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# Fedora 12

## 发行注记

Fedora 12 发行注记



编辑 Fedora 文档团队

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## 1. 欢迎使用 Fedora 12

### 1.1. Fedora 12 概述

和以往一样，Fedora 继续开发 (<http://www.fedoraproject.org/wiki/RedHatContributions>) 和整合最新自由和开源软件 (<http://www.fedoraproject.org/wiki/Features>)。下面的部分提供与上一个发行的 Fedora 的主要改动的总述。有关 Fedora 12中的其它特徵，请引用其各自详述特徵目标和程序的 wiki 页面：

<http://www.fedoraproject.org/wiki/Releases/12/FeatureList>

在整个发行周期中，我们会与主要特徵的幕后开发者洽谈并公布一些内部消息：

<http://www.fedoraproject.org/wiki/Interviews>

以下是 Fedora 12的主要特性：

增强的摄像头支持

更好的视频解码器

音频的改进

更好的电源管理

这个发行本中包括的其它特徵：

自动bug报告工具

按需启用的蓝牙

大量增强的虚拟化应用

更多的安全改进

Fedora 12的特性，追踪特性列表页面：

<http://www.fedoraproject.org/wiki/Releases/12/FeatureList>

关于加入这些特性的缘由的讨论可参考：

[http://www.fedoraproject.org/wiki/Fedora\\_12\\_Talking\\_Points](http://www.fedoraproject.org/wiki/Fedora_12_Talking_Points)

### 1.2. 硬件需求



#### 最低的可能总是不够

以下列出的最低内存要求在针对所有情形时可能会不够。特别是在虚拟机中安装时，内存要求接近“推荐”值。

#### 1.2.1. PPC 构架的处理器和内存要求

最小 CPU: PowerPC G3 / POWER3

Fedora 12支持 Apple 在 1999年左右及其后发布的“新生代”Power Macintosh。虽然原则上讲，“旧世代”主机也可正常工作，但其所需特殊的引导安装程序没有包括在本 Fedora 发行版中。Fedora 还在 POWER5 和 POWER6的计算机上进行了安装和测试。

Fedora 12支持 pSeries 和 Cell 宽带引擎机。

Fedora 12还支持 Sony 的 PlayStation 3 和 Genesi Pegasos II 以及 Efika。

Fedora 12集成了对 P.A. 半导体“Electra”机器的新硬件支持。

Fedora 12还集成了对 Terrasoft 解决方案电源工作站的支持。

字档模式推荐：233MHz G3或以上，128MiB 内存。

图形模式推荐：400MHz G3 或以上，256MiB 内存。

### 1.2.2. x86 构架的处理器和内存要求

下列 CPU规格采用 Intel 处理器型号来说明。Fedora 也可运行于其它处理器厂商（包括 AMD, Cyrix 和 VIA ）的兼容产品上。Fedora 12要求Intel Pentium Pro级别或更好级别的处理器，并为i686及其后续处理器进行了优化。

文本模式推荐：200 MHz奔腾Pro或以上

图形模式推荐：400 MHz奔腾Pro处理器或以上。

字档模式所需最小内存：128MiB

图形模式所需最小内存：192MiB

图形模式推荐内存：256MiB

### 1.2.3. x86\_64 构架的处理器和内存要求

字档模式最小内存：256MiB

图形模式最小内存：384MiB

图形模式推荐内存：512MiB

### 1.2.4. 所有构架的硬盘空间要求

安装全部软件包会使用 9 GB 以上的磁盘空间。实际需要的空间取决于具体的发布集（Spin）以及安装过程中选择的软件包。安装过程中，安装程序还需要额外的磁盘空间支持安装环境。额外磁盘空间的尺寸相当于位于第一张安装盘中的 /Fedora/base/stage2.img 的尺寸及 /var/lib/rpm 尺寸的和。

在实际作业中，最小安装需要 90MiB 附加的空间，而完全安装需要 175MiB 附加的空间。

除此之外，还需要额外的存储空间存放用户数据。还应保留至少 5% 闲置空间为系统正常运作所用。

## 1.3. 欢迎使用 Fedora

Fedora 是一个集合最新的自由开源软件，基于Linux核心的操作系统，。任何人都可用永远免费使用、修改和发布 Fedora。它由全球社区（Fedora 项目）人员共同制作。Fedora 项目是一个开放项目并欢迎任何人加入。Fedora 项目始终处于前沿，引领着自由开源软件及内容的进步。



### 注意

请访问<http://docs.fedoraproject.org/release-notes/>来了解Fedora最新的发行注记，特别是在您要升级的时候。如果您打算从上个版本之前的Fedora发行版升级系统时，您还需要引用那个版本的发行注记来了解更多信息。

如果您提交错误报告以及功能增强要求，就可以帮助 Fedora 项目和社区不断地改进 Fedora。更多有关於错误和功能报告上的相关信息，请引用 [http://fedoraproject.org/wiki/Bugs\\_and\\_feature\\_requests](http://fedoraproject.org/wiki/Bugs_and_feature_requests)。感谢您的参与。

想知道更多 Fedora 的信息，请访问下列页面：

Fedora 概述 (<http://fedoraproject.org/wiki/Overview>)

Fedora FAQ (<http://fedoraproject.org/wiki/FAQ>)

帮助和讨论 (<http://fedoraproject.org/wiki/Communicate>)

参与 Fedora 项目 (<http://fedoraproject.org/wiki/Join>)

## 1.4. 常见错误

大多数复杂的软件都可能存在bug。自由开放源代码软件的特点之一，就是能够报告bug，让开发人员可以通过你所报告的错误来修复或者改进您使用的软件。

每个发行版的一般 bug 清单都是由 Fedora 项目维护的，当您遇到问题并怀疑是一个软件 bug 时，这里是一个很好的起点。

[https://fedoraproject.org/wiki/Common\\_F12\\_bugs](https://fedoraproject.org/wiki/Common_F12_bugs)

## 1.5. 反馈

感谢您花时间向 Fedora 社区提出评论、推荐和错误报告。这样可以帮助我们提高 Fedora、Linux 以及全球自由软件的水平。[http://fedoraproject.org/wiki/Common\\_F12\\_bugs](http://fedoraproject.org/wiki/Common_F12_bugs)列出了本发行版已报告的bug及已知问题。

### 1.5.1. 我们需要您的反馈！

如果你发现了排印错误或者有改进本文档的建议，我们希望能听取你的意见。请在 Bugzilla <http://bugzilla.redhat.com/bugzilla/> 里提交关于产品 Fedora. 的报告。

提交报告时，请记得提及文档的标识符：*Release\_Notes*

如果你有改进本文档的建议，请尽量将其明确化。如果你发现了错误，请指出章节号以及其周围的相关文字，以便我们尽快找到并更正该错误。

### 1.5.2. 反馈的其它方式

您可在[http://fedoraproject.org/wiki/Bugs\\_and\\_feature\\_requests](http://fedoraproject.org/wiki/Bugs_and_feature_requests)获取更多关于Bugzilla过程的信息。然而如果您不愿使用Bugzilla提交反馈，您也可以：

如果您有 Fedora 帐户，请直接在 [http://fedoraproject.org/wiki/Documentation\\_Beats](http://fedoraproject.org/wiki/Documentation_Beats) 编辑内容。

电子邮件[relnotes@fedoraproject.org](mailto:relnotes@fedoraproject.org)<sup>1</sup>。

## 2. 安装注记



**注意**

要了解如何安装Fedora，引用<http://docs.fedoraproject.org/installation-quick-start-guide/>的Fedora或<http://docs.fedoraproject.org/install-guide/>的Fedora。如果您在安装时遇到了本发行注记中未涉及的问题，请引用<http://www.fedoraproject.org/wiki/FAQ><sup>3</sup>和<http://www.fedoraproject.org/wiki/Bugs/Common><sup>4</sup>。

Anaconda 是 Fedora 安装程序的名称。这部分概括了与 Anaconda 和Fedora 12 安装相关的问题。

### 2.1. 针对boot分区的Ext4

尽管在Fedora 11中就采用ext4做为默认文件系统，但是Fedora 11中的GRUB无法读取ext4分区。因此Fedora 11需要一个独立的ext3格式的boot分区。Fedora 12中的GRUB支持ext4，因此anaconda允许您将boot设置为ext4分区。

## 3. 特定构架注记

本部份包含在特定硬件平台上执行 Fedora 所需要的信息。

### 3.1. 32-bit 基本结构改为 i686

Fedora 11 以 i586 作为 32-bit x86 的基本结构。

Fedora 12 以 i686 作为基本结构（包括CMOV），并针对Atom处理器进行了优化。

这意味着Fedora会不再支持下列的CPU系列：

Intel i586 （全部）

美国国家半导体（National Semiconductor）出产的Geode处理器

VIA C3 （Ezra及Samuel核心）

AMD Geode GX

AMD Geode LX（用於 OLPC XO 系列的膝上计算机）及往后的 Geode NX 处理器应该还可以使用。有兴趣者当然欢迎为这些较旧型的处理器设立次级保构支持。

优点：

在主流结构（Pentium M, Via C7, all 64-bit arches, Atom）上，二进制文件的执行速度较快

实际上我们并不支持i586架构。所以只是在逻辑上强调而已。

较少的 kernel 版本

## 4. 对于桌面用户 Fedora 的改进

### 4.1. Fedora 桌面管理系统

#### 4.1.1. 桌面横跨多个显示器

本发行版中最新的“Xorg”，如果您连接了两个显示器，那么这两个显示器将显示整个上管理系统，而不是显示两个相同的上管理系统。这与其它作业系统的行为一致。

#### 4.1.2. 更好的摄像头支持

Fedora 10中更好地摄像头功能增强了摄像头在Linux下的支持。目前我们拥有了能够解压用户磁盘内各种属性视频的库(libv4l)，几乎所有使用摄像头的程序都已经使用了该库。

Fedora 12提供了更多的摄像头支持特性，包括以下三项：

对已有的内核内置驱动进行了大量测试，修正和提高。

libv4l增加了视频处理，为那些硬件上缺乏以下内容的摄像头提供更好的视频质量。

白平衡

伽玛矫正

自动调节曝光（增益）

识别那些倒装的笔记本电脑摄像头并在软件中旋转180度

去除了主版本以外的驱动，移动至libv4l并合并到主版本，具体如下：

qc-usb: 基于stv0600（及类似）的摄像头，Logitech QuikCam Express主要系列（2.6.29内核已使用）

ov51x-jpeg: ov511(+) 及 ov518(+) 的驱动程序（已在 kernel 2.6.31rc1, libv4l-0.6.0完成）

qc-usb-messenger: 基于stv6422的摄像头，主要为Logitech QuikCam Express系列（2.6.31rc1内核已使用）

sn9-20x: 基于sn9c20x的摄像头，还有很多新出的廉价摄像头（2.6.31rc2内核已使用）

#### 4.1.3. ABRT

Fedora 12桌面采用ABRTbug自动报告工具替代了bug-buddy和kerneloops。ABRT拥有可扩展架构，它不仅捕获并提交局部错误和内核故障，同时也能回溯python。与bug-buddy相比，它可以在任何二进制程序中捕获错误，而不仅仅是GTK+程序。

如果您之前手动修改过GConf设置中的bug-buddyGTK+模块，您可能在GTK+程序中看到如下的警告信息：

```
Gtk-Message: "gnomebreakpad"模块载入失败:  
libgnomebreakpad.so: 无法打开共享文件: 文件或目录不存在
```

要停止这些消息，可以在终端机上执行以下的命令：

```
gconftool-2 --type bool --set /apps/gnome_settings_daemon/gtk-modules/gnomebreakpad false
```

#### 4.1.4. GNOME 2.28

GNOME 2.28.1是本发行版的一部分，它是Fedora桌面live镜像默认环境。桌面镜像是可以下载的CD格式，您无需安装就可以用它来测试新的GNOME环境。镜像可以刻录成CD，或写入到USB闪存盘；有关说明请参考<https://fedoraproject.org/wiki/FedoraLiveCD/USBHowTo>。

##### 4.1.4.1. 菜单及按钮中的图像

GNOME 2.28中的菜单及按钮图标默认不显示。要想回到以前充满图标的外观，请选择系统 → 偏好设置 → 外观，点击界面选项，启用显示菜单中的图标。然而并没有菜单选项用来显示按钮图标。请使用对应的GConf键值来启用菜单和按钮图标：

```
gconftool-2 --type boolean --set /desktop/gnome/interface/buttons_have_icons true
gconftool-2 --type boolean --set /desktop/gnome/interface/menus_have_icons true
```

##### 4.1.4.2. GNOME 2.28的其它改进

与前一个Fedora发行版相比，GNOME桌面默认设置上还有一些其它改变：

“窗口”设置对话框不再默认安装。但仍会在control-center-extra包中提供

“主菜单”设置对话框默认不再安装。alacarte包中仍然提供

用户切换移动至桌面顶端面板的最右侧

移除了“显示桌面”按钮。如果您需要，可通过点击右键，“添加到面板...”然后选择“显示桌面”添加。

“工作区域切换”的工作区数量减少为2个

面板通知区域中的小程序及图标之间增加了间距。可通过以下命令去除间距：

```
gconftool-2 --type int --set /apps/panel/toplevels/top_panel/padding 0
gconftool-2 --type int --set /apps/panel/toplevels/bottom_panel/padding 0
gconftool-2 --type int --set /apps/panel/applets/systray/prefs/padding 0
```

##### 4.1.4.3. Gnote

本发行版中GNOME默认使用Gnote替代了Tomboy。Gnote是Tomboy从Mono到C++的一个版本，消耗资源更少。Gnote既可以放入GNOME面板也可以做为单独程序在其它桌面环境下运行。由于缺乏空间，自Fedora10起Fedora桌面Live CD剔除了Mono以及像Tomboy这样的基于Mono的程序。Gnote也默认集成在本发行版的Live CD中。Tomboy做为额外选择仍然提供。如果您从之前版本升级到本发行版，您可继续使用Tomboy而不会被迁移到Gnote。Tomboy的用户可以很轻松地迁移到Gnote，因为Gnote与之共用同种文件格式，并且Gnote中附带插件可在其首次运行时自动导入Tomboy中的笔记。很多Tomboy插件已转为Gnote插件。以下插件做为Gnote的一部分提供：

Bugzilla链接

Tomboy导入

固定栏宽

插入时间戳

导出为HTML



打印支持

Sticky Notes导入

Backlinks

在您的主目录中执行以下命令，可将Tomboy的笔记复制到Gnote中。

```
cp -r .tomboy .gnote
```

由于Gnote提供了更好的笔记摘录特性并已经集成在本发行版，因此不再提供sticky notes便签程序。

#### 4.1.4.4. 声音选项

GNOME声音偏好设置开始支持profile切换。

#### 4.1.4.5. Empathy

Empathy取代Pidgin做为GNOME下默认的即时通讯工具。Empathy能够与GNOME更好地集成并为使用Extensible Messaging and Presence协议（XMPP，前身为Jabber）的用户提供了音频和视频功能。Empathy支持在首次运行时从Pidgin导入用户，以便您可轻松迁移。如果您从之前版本升级，您默认继续使用Pidgin。仓库中将继续提供Pidgin，并将继续维护。

Empathy的主要优缺点如下：

##### 有点

更好地GNOME集成。密码以密匙环存储，而不像Pidgin那样以纯文本格式存储。

与GoogleTalk进行语音聊天。语音聊天需要额外的gstreamer解码器并需要手动配置防火墙。Pidgin目前使用相同的结构。

Empathy已增加从Pidgin迁移帐户的支持。

支持与Abiword及其他程序协作

地理位置（最新功能）

##### 缺点

Empathy缺少插件系统，因此Pidgin下提供的很多额外功能（如加密）将不再提供

无代理支持

#### 4.1.4.6. Totem

Totem目前仅支持gstreamer后端。彻底移除了totem-xine后端。

#### 4.1.4.7. Epiphany

本发行版中的Epiphany使用Webkit引擎，取代了之前来自Firefox的Gecko引擎。

#### 4.1.4.8. GNOME Shell — GNOME 3预览

仓库现提供了GNOME Shell的早期版本。GNOME Shell是GNOME 3的关键部分，目前在Fedora开发及界面设计人员的广泛参与下处于开发之中。试用GNOME Shell的唯一方法是安装*desktop-effects*软件包：

```
yum install desktop-effects gnome-shell
```

然后点击系统 → 偏好设置 → 桌面效果

如果您希望手动设置，请执行

```
mkdir ~/.config/autostart  
ln -s /usr/share/applications/gnome-shell.desktop ~/.config/autostart
```

你亦可以通过直接引导来执行以下的程序。

```
gnome-shell --replace &
```

### 4.1.5. KDE 4.3

KDE 4.3是本发行版的一部分，是Fedora KDE桌面Live镜像的默认环境。KDE桌面Live镜像是可下载的CD镜像，无论安装与否，您都可以用它来测试新的KDE环境。您可以将镜像刻录到CD或写入USB闪存盘。

KDE 4.3是KDE 4的最新版本，做了很多改进并增加了很多新特性。Plasma有了新的Air外观，增强的任务和通知管理以及完全可配置的键盘快捷键。同时包括新增的Plasma小程序以及对已有小程序的改进。对KWin进行了性能优化并为KDE引入新的桌面特效。KDE提供了新的bug报告工具，向KDE开发人员报告bug变得更加容易。

### 4.1.6. Moblin桌面

Moblin架构支持多平台，及从Netbooks、NetTops到移动互联网设备（MID）和各种嵌入式设备如In Vehcile Infotainment系统的应用。

Fedora提供测试用的用于NetBook/NetTop/MID设备的Core Moblin 2桌面预览版。

Moblin桌面将以组件通过yum安装：

```
sudo yum install @moblin-desktop
```

## 4.2. 联网

### 4.2.1. NetworkManager提供了系统范围的连接以及增强了对移动宽带的支持

NetworkManager如今可在/etc/sysconfig中创建并编辑全局的网络连接。NetworkManager能够从/etc/sysconfig中读取全局的网络连接信息已经有段时间了。现在则支持对全局网络连接完全的读写。这个创建并修改连接的功能由PolicyKit控制。开始只支持有线和无线连接。稍后会支持vpn连接。对于需要加密的连接，会被存储到/etc/sysconfig目录下的.keys文件中。

通过提供预先配置的移动宽带服务商数据库，支持更多地硬件以及允许GSM网络扫描，NetworkManager使得移动宽带的使用更加容易。NetworkManager将自动识别您的移动宽带服务商，只需插上您的USB设备，几分钟内便可以上网。

### 4.2.2. NetworkManager中增强的IPV6支持

对非GUI用户以及直接使用ifcfg文件的用户来说，NetworkManager可在系统启动时开启正确配置的IPV6连接。并不需要修改ifcfg文件。

对于GUI用户来说，连接编辑器中将配有新的IPv6标签，如果此IPv6设置与IPv4设置相似时可允许控制IPv6设置。选择配置方法（默认为auto，将以路由-advertisements，试图以DHCPv6信息只读模式解析DNS信息。）并输入所需的额外设置后，保存此连接并激活，将会按用户要求为该连接配置完整的IPv6。

### 4.2.3. 网络连接管理

通常只有高级用户才能在一台计算机上配置一个中度复杂但又较常见的网络连接，并且已有的工具支持都较差。这些网络连接包括桥接，并为它指定一个从属网卡或者为它绑定两个网卡，以及向此网桥的从属网卡及绑定网卡添加虚拟局域网连接。

通常虚拟主机上都需要做复杂的桥接，并且经常要通过高级管理工具远程配置，而不是由用户。

此特性通过提供通用目的的网络配置库（netcf）以及使用libvirt的远程设备补充libvirtAPI以显示netcf的本地API来满足这些需求。

netcf会把逻辑网络连接（如桥接及其从属连接）看作一个单元，netcf将根据它们的属性把它们转换成合适的ifcfg-\*文件。这样就保证了netcf与其它网络配置工具的和谐共存，包括vi，netcf是双向的：它根据连接属性修改ifcfg-\*文件，也从ifcfg-\*文件读取内容来生成新的连接属性。因此netcf可以跟其它网络配置方法并存，并且避免了很多这样做的缺陷，如Xen网络脚本一一类的缺陷。

在未来的发行版中计划用netcf取代NetworkManager做为系统范围的网络配置后端；然而它并不是此特性的一部分，它最终将统一用户的网络配置。与此类似，将在未来版本的virt-manager增加网络配置功能。

### 4.2.4. 按需的蓝牙服务

为了支持蓝牙设备，前一版的Fedora默认开启蓝牙后台服务。本发行版中，蓝牙服务将按需启动，并且在上一个设备使用后自动停止30秒。这样降低了初始化时间并节省了资源。

## 4.3. 国际化

本节介绍了关于Fedora语言支持的信息。

### 4.3.1. iBus

iBus经过了个更多的开发和改进，比如：

Qt4的原生输入法模块（ibus-qt）。

针对输入法开发人员的键盘布局支持。同时也让非-US-QWERTY键盘用户能够使用只为US-QWERTY键盘设计的输入法。

### 4.3.2. 中文

将更多的scim-table中文码表引入ibus-table。

### 4.3.3. 印地语

Lohit字体为每种支持的文字分装为单个软件包。Lohit字体现在兼容Unicode 5.1。

### 4.3.4. 日语

加入了IPA字体以在JIS2004下的显示高质量的字体。要在Fedora下使用JIS2004的功能，建议安装ipa-gothic-fonts、ipa-pgothic-fonts、ipa-mincho-fonts和ipa-pmincho-fonts软件包。

## 4.4. 多媒体

### Thusnelda

在自由开放的网络支持下，以及为了减少专利解码器的持有量，红帽公司一直支持着由Christopher Montgomery (xiphmont) 开发代号为Thusnelda的开放Ogg Theora视频解码器的改进工作，并且已经对编码器做出了大幅改进。本发行版使用了这个下一代编码器，与libtheora 1.0相比，新编码器能够以更低的比特率生成相同质量的文件，或者以相同比特率生成更高质量的文件。包括GStreamer在内所有使用libtheora的程序将自动并透明地利用此项改进：

### Pulse Audio增强

Fedora开发人员对PulseAudio进行了一些改进。更多详情请参考<http://Opointer.de/blog/projects/oh-nine-sixteen.html>。这些改进包括：

- 新混音器

- UPnP媒体服务器支持

- 增强的热插拔支持

- 针对事件声音的环绕声支持

### Fedora Studio

Fedora Studio为可选的多媒体菜单程序，它可将用户桌面菜单中的音频及视频程序分类。上一版的Fedora中，所有多媒体程序都在一个大组中。这个程序可让用户方便的寻找音频和视频程序。

## 5. 对系统管理员来说 Fedora 的改动

### 5.1. Fedora 12 引导时间

#### 5.1.1. 支持ext4的GRUB

Fedora 9开始实验性的支持 ext4，之后Fedora 11 默认支持 ext4。然而在那个版本中GRUB并不支持ext4，因此需要独立的ext3或ext2的启动 (boot) 分区。Fedora 12集成了支持ext4的新版GRUB。同时Anaconda (Fedora安装程序) 也将支持。

#### 5.1.2. Dracut — 新引导系统

Fedora 10之前，用于Fedora启动的引导体系 *initial ram disk* 或者 *initrd* 是单片式的，只针对某个发行版并且没有足够的适应性。这会被Dracut，一个基于事件化框架设计的，独立于发行版的初始ram盘取代。在Fedora衍生的OLPC项目的XO操作系统中已经开始使用。 Fedora仓库中含有Dracut的OLPC模块。欢迎对此进行测试和反馈。

#### 5.1.3. 更快更稳的图形化引导

*Kernel Mode Setting* (KMS) 通过Nouveau 驱动程序，现时在NVIDIA系统上的缺省值亦已设置为启用。Fedora 10 原来亦包括对KMS的支持，但只限于部份ATI 显卡。在Fedora 11，这支持亦已扩展至Intel的显卡。到了这一版，连NVIDIA的显卡亦支持。

这次改进的结果就是，您可以通过Fedora开发的plymouth图形化引导程序在几乎所有机器上更快更稳的进行图形化引导。

## 5.2. 安全性

这一章记述 Fedora 的各种安全性项目。

### 5.2.1. 低处理能力

以root用户运行的守护进程经过审核和补丁，开始以低处理能力运行。这降低了使用这些守护进程提升权限的风险。此外，卷影文件权限更改为000，\$PATH下的一些目录权限设置为555，以防止守护进程在没有DAC\_OVERRIDE时访问卷影文件或向\$PATH目录写入内容。

当有人入侵系统时，除非他们提高了自己的权限，否则一般做不了太多事情。此特性降低了可用来提升权限的攻击目标数量。如果root进程不包括所有能力，那么他们也很难破坏系统。

由于拥有root uid的进程可向几乎所有的文件写入并且可以读取/etc/shadow file，因此这些进程仍可能会破坏系统。然而如果将系统强化使得root需要DAC\_OVERRIDE能力，那么能够破坏系统的进程只剩少数。这不会对管理能力造成影响，因为它们都拥有包括DAC\_OVERRIDE在内的完整权限。因此即使有人成功入侵了一个root进程，也很难利用此进程做出更多破坏。

强化的系统应该有类似的权限：555 /bin, 555 /lib, 000 /etc/shadow等。当前范围是覆盖\$PATH变量下的目录、库目录、/boot及/root。此方案不但不会影响SELinux，而且会对其进行补充。因为这些能力属于DAC controls，而它们首先决定是否允许访问。

### 5.2.2. SELinux Sandbox

SELinux sandbox允许命令以高限制的方式运行。不幸的是，由于GUI程序的特性，在最那些需要的GUI程序上使用这个功能是非常困难的。

新命令sandbox -X可用来限制多个GUI程序。用户可以在某些网络程序中运行此命令，比如Open Office在用户调用后可以正常运行，但如果由网络调用时，它会受到限制。

当GUI程序通过SELinux sandbox运行后，它只能读取有限的目录，这些目录在其退出后就会被删除，它也无法访问网络，并运行在一个孤立的X-server中，这样就阻止了它读取其它X程序。

## 5.3. 虚拟化

Fedora 12中的虚拟化包含重大修改和新特征，依然继续支持 KVM、Xen 以及许多其它虚拟机平台。

本发行版的KVM和QEMU增加了一系列的新特性。通过加入KSM及KVM大页面备份内存，KVM客户机内存使用及性能都有所提高。qcow2镜像格式的性能大幅提高。增加了对SR-IOV和NIC热插拔支持。gPXE取代etherboot用于客户机PXE的引导。

libvirt方面，增加了针对存储管理和网络界面管理的API。libvirt无需权限即可运行QEMU进程。

新的库（libguestfs）和交互式工具（guestfish）可读取及修改虚拟机磁盘镜像。

### 5.3.1. 内核分页合并及减少客虚拟机的内存用量

*Kernel SamePage Merging* (KSM) 允许完全相同的记忆分页由内核合并成一个分页，并在一个或多个处理器间共享。这项功能让KVM通过杠杆作用，使多个执行相近作业系统的客户虚拟机可以减少内存足迹。由於内存共享，使各个虚拟机合共使用的内存得以减少。

详情请参考<http://fedoraproject.org/wiki/Features/KSM>和<http://lwn.net/Articles/306704/>

### 5.3.2. KVM巨大记忆分页支持

为KVM客户机启用大页面备份内存是为了减少内存消耗和通过降低CPU缓存压力来提高性能。使用大页面备份内存的KVM客户机用户应该能体会到通过降低主机内存消耗而带来的性能提升。性能提高取决于工作量。虽然客户机使用大页面也有缺点，但是您不必再为客户机交换或增加内存。

详情请参考：[http://fedoraproject.org/wiki/Features/KVM\\_Huge\\_Page\\_Backed\\_Memory](http://fedoraproject.org/wiki/Features/KVM_Huge_Page_Backed_Memory)。

### 5.3.3. KVM NIC 热插拔

在不重启客户机的情况下使用`libvirt/virt-manager`可将网络连接添加到运行的KVM客户机上。

详情请参考：[http://fedoraproject.org/wiki/Features/KVM\\_NIC\\_Hotplug](http://fedoraproject.org/wiki/Features/KVM_NIC_Hotplug)。

### 5.3.4. KVM qcow2性能

`qemu`的本地磁盘镜像文件格式为qcow2。Qcow2为原生镜像提供了增强功能，包括：基本镜像、快照、压缩以及加密。

用户通常会禁用主机上的写如缓存以防止客户机的数据受到主机破坏。之前这将会明显降低qcow2镜像中客户机的性能。

qcow2磁盘镜像的I/O性能得到很大改进。由于qcow2性能较差而不去使用的用户，现在可以考虑转换并利用该格式提供的针对原生磁盘镜像的特性。

详情请参考：[http://fedoraproject.org/wiki/Features/KVM\\_qcow2\\_Performance](http://fedoraproject.org/wiki/Features/KVM_qcow2_Performance)和  
<http://www.gnome.org/~markmc/qcow-image-format.html>。

### 5.3.5. KVM 稳定的客户端 ABI

KVM客户机通过硬件模拟平台或者包含此平台的程序二进制接口（例如CPU、APIC、PIT、ACPI表、IDE/USB/VGA控制器、NIC等）得以实现。当QEMU更新至新版本时，此平台的某些层面会因新增的硬件性能而有所变化。这对Windows客户机来说是个问题，因为客户机ABI的变化可能需要重新进行安装。

通过QEMU更新，客户虚拟机将使用相同的ABI。

详情请参考：[http://fedoraproject.org/wiki/Features/KVM\\_Stable\\_Guest\\_ABI](http://fedoraproject.org/wiki/Features/KVM_Stable_Guest_ABI) and [http://fedoraproject.org/wiki/KVM\\_Stable\\_Guest\\_ABI\\_Design\\_Notes](http://fedoraproject.org/wiki/KVM_Stable_Guest_ABI_Design_Notes)。

### 5.3.6. 针对虚拟机操作的libguestfs库

Fedora 11开发周期中很晚才加入的`libguestfs`，现已成为Fedora 12的正式特性。`libguestfs`是读取和修改客户机磁盘镜像的库。通过Linux内核及`qemu`代码，`libguestfs`可访问Linux和QEMU所能访问的任何客户机文件系统。

`libguestfs`提供了以下工具及增强特性：

针对OCaml、Perl、Python、Ruby及Java编程语言的绑定。

`guestfish` - 为编辑虚拟机文件系统及客户机上执行命令提供交互式shell。

`virt-df` - 显示虚拟机文件系统的剩余空间

`virt-inspector` - 显示虚拟机的操作系统版本、内核、驱动、挂载点、应用程序等。

`virt-cat` - 从虚拟机内 "Cat" 任意文件。

了解更多信息请参考:

<http://fedoraproject.org/wiki/Features/libguestfs>

<http://libguestfs.org/>

### 5.3.7. 网络界面管理

像桥接、绑定、虚拟局域网以及其合理组合等常用的主机网络配置，现在可由通用网络配置库-netcf来创建。对libvirt API的增强展现了这个通过libvirtd进行主机远程管理的新特性。

了解更多信息请参考:

[http://fedoraproject.org/wiki/Features/Network\\_Interface\\_Management](http://fedoraproject.org/wiki/Features/Network_Interface_Management)

<http://fedorahosted.org/netcf/>

<http://www.libvirt.org/remote.html>

### 5.3.8. Single Root I/O Virtualization

Single Root I/O虚拟化是一种PCI特性，它允许创建与物理功能资源共享的虚拟功能（VF）。VF设备位于客户虚拟机中并以客户机PCI设备的形式出现。由于客户系统在直接有效地驱动硬件，因此I/O性能与实际硬件性能是一致的。

了解更多信息请参考:

<http://fedoraproject.org/wiki/Features/SR-IOV>

<http://www.pcisig.com/specifications/iov/>

[http://fedoraproject.org/wiki/Features/KVM\\_PCI\\_Device\\_Assignment](http://fedoraproject.org/wiki/Features/KVM_PCI_Device_Assignment)

### 5.3.9. 客户端默认使用gPXE

QEMU客户机目前使用更新的并且处于维护中的gpxe代替了etherboot工具用于PXE引导。

了解更多信息请参考:

<http://fedoraproject.org/wiki/Features/VirtgPXE>

<http://etherboot.org/wiki/index.php>

### 5.3.10. Virt 权限

对QEMU/KVM虚拟机做了一些修正，以改进在QEMU二进制中发生一个瑕疵事件时的主机安全性。

/dev/kvm的权限更新，可让无权限用户使用KVM硬件加速。

由在本地桌面安装的virt-manager生成的QEMU进程现在以桌面用户身份运行。

由具有权限的libvirtd守护程序生成的QEMU进程，现在将以无权限帐户运行，用户“qemu”，组“qemu”。

除了只读/共享磁盘外，libvirtd在虚拟机启动时将把虚拟机上所有磁盘的所有者更改为用户“qemu”，组“qemu”。

要恢复之前Fedora中以“root”用户运行QEMU的行为，涉及到/etc/libvirt/qemu.conf文件中的两个配置参数。并不推荐修改。

了解更多信息请参考：

<http://fedoraproject.org/wiki/Features/VirtPrivileges>

### 5.3.11. 虚拟化存储管理

Fibre Channel N\_Port ID虚拟化或NPIV允许在单一物理主机总线适配器上创建多个虚拟N\_Ports。libvirt节点设备API已扩展可使用NPIV创建和破坏虚拟适配器。

这些API的允许储存设备发现和池创建的功能扩展至在per-SCSI-host基础上发现和重新扫描储存设备。管理员现在不再需要多种工具就可以为虚拟机发现、配置以及提供储存设备。

了解更多信息请参考：

<http://fedoraproject.org/wiki/Features/VirtStorageManagement>

<http://libvirt.org/storage.html>

### 5.3.12. 其它改进

#### 5.3.12.1. Libvirt Technology 兼容性套件

Fedora增加了libvirt 的技术兼容性套件（Technology Compatibility Kit, TCK）。这是一个功能测试套件，它能够提供更详细的功能报告，可供每一个libvirt驱动使用，还可以用来快速识别Fedora虚拟化特性开发中出现的错误或回归。

了解更多信息请参考：

<http://fedoraproject.org/wiki/Features/VirtTCK>

<http://libvirt.org/drivers.html>

#### 5.3.12.2. 虚拟化技术预览库

为喜欢测试最新虚拟化相关软件包的用户建立了虚拟化预览仓库。本仓库目的主要是为了协助测试和早期实验。并不打算为“生产”部署。

了解更多信息请参考：

[http://fedoraproject.org/wiki/Virtualization\\_Preview\\_Repository](http://fedoraproject.org/wiki/Virtualization_Preview_Repository)

#### 5.3.12.3. Xen 内核支持

Fedora 12 的内核支持作为用户机 domU 引导，但还不能作为 dom0 使用，直到上游内核可提供这种支持。这些工作正在进行，并且很有希望在Fedora 13和2.6.33的核心中得到支持。

最早可以支持dom0的Fedora发行版是Fedora 8。

在 Fedora 12 主机中引导 Xen domU 用户机需要基于xenner的KVM。Xenner将虚拟机内核和小型Xen模拟器当作KVM的虚拟机一起运行。



KVM需要宿主系统有硬件虚拟功能。

当前没有硬件虚拟化功能的系统不支持 Xen 虚拟机。

了解更多信息请参考：



<http://sourceforge.net/projects/kvm>

<http://kraxel.fedorapeople.org/xenner/>

<http://fedoraproject.org/wiki/Features/XenPvops>

<http://fedoraproject.org/wiki/Features/XenPvopsDom0>

## 5.4. 网页和内容服务器

### 5.4.1. mod\_fcgid 2.3.4

本发行版加入了`mod_fcgid` 2.3.4, 此版本是其成为Apache httpd项目的一部分后第一个非beta版本。它不会与已有的使用旧版`mod_fcgid`的程序存在兼容性问题, 但是为了避免与Apache httpd项目其它部分出现冲突, `mod_fcgid`配置目录已重命名。这就意味着从旧版升级的用户需要修改`mod_fcgid`配置: `mod_fcgid`包附带了转换配置目录名的脚本 "fixconf.sed"。

## 5.5. Samba (Windows 兼容性)

这一节包含与 Samba 相关的信息, Samba 是 Fedora 用来与 Microsoft Windows 系统交互的软件组件。

### GFS2 Clustered Samba

随着Samba提供在集群数据库 (clustered database (CTDB)) 上的可用性, 同一个集群内不同节点之间的多个smbd实例能够共享状态。同时它可以通过集群中一个或更多个设置为active/passive或active/active的节点输出一个gfs2文件系统, 以提供一个高可用性的Samba服务。

## 5.6. 文件系统

### 5.6.1. fusecompress

`Fusecompress`是个无权限用户也可挂载的压缩文件系统。Fedora-11使用`fusecompress-1.99.19`。Fedora-12更新至`fusecompress-2.6`。不仅修复了很多非常讨厌的bug而且更改了磁盘上的格式。有`fusecompress`文件系统的用户需要将数据迁移至新格式。除非更新之前解压, 否则需要`fusecompress_offline1`包来完成。



### 您必须转换您的文件系统

如果用户没有阅读这些发行注记并且他们意识到需要更新格式, 他们出错后的第一表现很可能是当它们打算阅读文本文件时文件成了二进制:

```
$ less test.txt
"test.txt" may be a binary file. See it anyway?
```

更新文件系统的基本方法位于`fusecompress1`软件包的`/usr/share/doc/fusecompress_offline1-%{version}/README.fedora`文件内。`fusecompress`包中的`README.fedora`文件告诉用户安装`fusecompress_offline1`并阅读那个文件。更新说明重复如下:

假设Fedora 11中您的旧`fusecompress`根目录(文件实际存储位置)位于`~/fusestorage`, 您将其挂载到`~/storage`。现在您已

升级到Fedora 12并需要将您的fusecompress文件系统更新至新格式。以下是基本步骤：

```
# 确认没有挂载旧的fusecompress文件系统
fusemount -u ~/storage
# 将其移动至新的位置
mv ~/.fusestorage ~/.fusestorage.old
# 为新格式的数据创建新目录
mkdir ~/.fusestorage
# 挂载新目录。它现在就是新格式的fusecompress文件系统
fusecompress ~/.fusestorage ~/storage
# 在旧fusecompress数据目录中解压所有文件
fusecompress_offline1 ~/.fusestorage.old
# 将这些文件转移到新格式的目录
mv .fusestorage.old/* ~/storage
# 如果您有隐藏文件，也记得移动它们
mv .fusestorage.old/.?* ~/storage
```

注意使用本步骤时您需要足够的磁盘空间来存放位于~/fusestorage.old中的解压文件。如果您的空间不足，您必须对~/fusestorage.old中部分文件运行fusecompress\_offline1然后将它们移动到~/storage重新压缩，以释放空间来让您对更多文件运行fusecompress\_offline1。

## 5.7. X 窗口系统（图形）

这一节包含与 Fedora 中采用的 X 窗口系统，X.org等相关的信息。

### 5.7.1. DisplayPort

DisplayPort是新型的显示连接器和协议。它允许较高带宽的显示接口，允许显示器制造商采用更高分辨率，更高颜色深度及更高的刷新率。

Fedora 12为支持该特性的Intel适配器提供了增强的DisplayPort性能。Apple，HP和Dell生产DisplayPort显示设备。由于DisplayPort拥有节能潜质，因此未来的笔记本电脑有望含有嵌入的DisplayPort接口。

### 5.7.2. 第三方的显卡驱动程序

有关使用第三方显卡驱动程序的详情请引用 Xorg 第三方驱动程序页面：<http://fedoraproject.org/wiki/Xorg/3rdPartyVideoDrivers>

## 5.8. HA 群集构架

这节主要介绍 Fedora 12 中群集工具的变更和新增特性。

# 6. 对开发者来说 Fedora 的改动

## 6.1. 工具

Fedora 12包括了丰富的开发工具套装，包括了所有流行的编程语言，最好和最新的IDEs，以及可扩展的库。这节介绍针对Fedora 12的主要变更。有关开发组件大量更新的完整列表请查看本文档最后的表格。

## emacs

*emacs*更新至23。Emacs 23包括了众多新特性：

改善了的Unicode支持

使用Fontconfig和Xft进行字体渲染。

支持在一个会话中使用X和字符终端，并支持以守护进程运行。

支持在分布版本控制系统（VC-dir）中的多文件执行。

新增了浏览PDF和postscript文件（Doc浏览模式）的模式和包，通过D-Bus（dbus）连接进程，连接到GNU Privacy Guard（EasyPG），编辑XML文档（nXML模式），编辑Ruby程序（Ruby模式）等等。

## mercurial

1.3.1版的*mercurial*包含了对子仓库的实验性支持。

## 6.2. 语言

Fedora 12包括了所有流行的编程语言。本节介绍了自Fedora 11以来的主要变化。由于Fedora一直努力集成着来自上游的一切新资源，因此包括了很多小的变更。查看本文档最后的表格来了解详情。

### Haskell

Fedora 12收入了*haskell-platform*-2009.2.0.2。Haskell平台是一套标准的库和工具，这些库和工具为Haskell项目开发提供了稳定的平台。

*ghc*更新至6.10.4。加入了xmonad窗口管理器以及很多库（cgi, editline, fgl, GLUT, haskell-platform, network, OpenGL, tar, time, utf8-string, X11-xft, xmonad, xmonad-contrib）。

*ghc-rpm-macros*包括了Haskell打包向导中用到的rpm宏。

### php

Fedora 12使用*php*5.3.0。本版本包括了一系列的重要特性，包括对命名空间、late binding的支持，更一致的浮点四舍五入以及大量的性能增强。有关详细信息请见[http://php.net/releases/5\\_3\\_0.php](http://php.net/releases/5_3_0.php)。

## 6.3. Eclipse

Eclipse有较大更新，更新为3.5（Galileo）。用户可阅读位于<http://update.eclipse.org/downloads/drops/R-3.5-200906111540/eclipse-news-all.html>的*Eclipse New & Noteworthy*页面了解本版本的发行注记。

Fedora采用新加入的Doxygen Integration（*eclipse-eclox*）为Eclipse提供了比之前版本更丰富的插件，Remote System Explorer（*eclipse-rse*）和Verilog/VHDL编辑器（*eclipse-veditor*）。

Eclipse插件中的其它变更包括：数据工具平台（Data Tools Platform）包含了完整的数据库开发IDE（*eclipse-dtp*），动态语言工具包（Dynamic Language Toolkit）包含了Remote System Explorer集成（*eclipse-dltk-rse*），移除了过时的Eclipse Modelling Framework SDO组件（*eclipse-emf-sdo*）。

## 7. 对特定爱好者来说 Fedora 的改动

### 7.1. 科学和数学方面的更新

Fedora 12包括了一系列的科学和数学软件包。以下软件包已随Fedora 12更新。

R

R及其相关套件已更新至最新版本。本项目的邮件列表中详细介绍了大量的新功能：<https://stat.ethz.ch/pipermail/r-announce/2009/thread.html>。

fet

fet是针对中学和大学的一个调度程序。除了大量的bug修正和性能改进外，fet 5.10.2允许安排固定时间的事项，为教师提供允许以小时为单位的约束，允许锁定和解锁活动，并可设定首选开始时间和教室。详情可参考位于<http://lalescu.ro/liviu/fet/>的fet新闻。

其它大量软件包也做了较小的更新和bug修正。请参考本文档结尾的表格来了解详情。

## 7.2. 电子设计自动化

本节概括了Fedora 12中Fedora Electronic Lab的更新。注意FEL中的很多程序在应用上有很多联系。这些特定的程序在电路设计（包括模拟和PCB布局）及嵌入式开发章节的相关部分做了介绍。

### 7.2.1. 协同代码评审

数字硬件设计的众多方面之一就是需要追踪很多文件来供多个EDA工具使用。最终报告或netlists都将做为sign-off methodology的一部分仔细分析并记录。每个公司都会在某个目录下，选择某个修订控制系统对这些项目依赖文件进行追踪。

我们为Fedora引入了一个高效可靠的代码审阅方案。这个基于trac的同行审阅方案同时也可帮助在bug、任务、变更集和文件间建立链接和无缝引用。项目协调人员将对正在进行的项目有一个更真实的概览并且可以按照不同的进展和里程轻松地进行跟踪。

### 7.2.2. Eclipse缺省IDE

在Fedora Eclipse团队的协助和支持下，Eclipse成为了FEL在HDL IP开发和文档上主要的IDE。这样是为了在不同嵌入式软件商提供的工具之间保持真正的互操作性。

Fedora Electronic实验平台默认提供的如下插件将会增强：

前端设计

专业数据表的文档自动生成及维护

Perl/Tcl脚本（Perl模块特性从FEL10开始）

版本控制项目

组件	描述
eclipse-veditor	帮助数字IC设计人员/FPGA设计人员在Eclipse上开发Verilog/ VHDL代码。提供了对拼写错误，缺失信号及不必要信号等的实时错误和警告提示。
eclipse-eclox	如果vhdl代码需要doxygen式的注释，可自动生成pdf文件以便在内部会议中使用或发送给客户。
eclipse-texlipse	由于pdf由latex生成，texlipse插件将提供一些额外的页面输出格式以方便pdf创建。pdf创建目前只有Ctrl-S，而不是像kile中手动点击。就是说FEL livedvd将移除kile。
eclipse-cdt	提供了嵌入式C和C++开发工具。
eclipse-dltk-tcl	Tcl脚本可依靠HDL代码维护。

组件	描述
eclipse-epic	Perl脚本可依靠HDL代码维护。
eclipse-subclipse	增加了对Eclipse IDE的子版本集成
eclipse-egit	增加了对Eclipse IDE的分布式版本控制GIT集成

表 1. 用于硬件设计的Eclipse插件

### 7.2.3. 仿真式 ASIC 设计

#### toped

Fedora Toped更新至合并版本0.9.4，将变量\$TPD\_GLOBAL的值默认设置为/usr/share/toped，以方便用户直接运行。

Graham Petley和Krustev Svilen为TELL提供了2个文件，做为示例解释toped如何通过toped的GDSII和CIF解析器与Pharosc标准Cells进行交互。

#### 重点

新的图形渲染将绘图速度提升了近3.5倍。需要OpenGL 1.4 (F-11用户是1.3，不过这不成问题) 及 Virtual Buffer Objects。它将做为未来图形效果的基础。

保留了旧的渲染器以使得驱动程序执行旧版OpenGL以及虚拟桌面。

速度也明显提高。

对外部接口做了更新和修正。特别是GDSII。

针对Virtuoso(C)技术文件到TELL会话的新工具。

TDT格式更新，使用了新纪录。版本更新至0.7。

TDT格式更新，使用了新纪录。版本更新至0.7。

用户界面自定义的更多更新 - 工具栏。

对cell引用的内部操作进行了更新。图层0将当做正常层。



老版本的Toped将无法读取本版本生成的TDT文件。

还有一些代码没有整合到主开发中，包括口径错误报告分析器。建议在发行后做此工作。为了保证当前版本的稳定，搁浅了部分功能。

#### Magic

Fedora Magic 已更新至 8.0.54 版本。

Fedora Magic的文档使用了单独的包，叫做：*magic-doc*。文档中集合了一些scmos的样例和教程。Magic VLSI高级用户应该也会有兴趣再次读此文档，来掌握8.0系列中不可缺少的详情。

#### 特性：

轮廓矢量字体（*freefont*项目），目的在于清理Magic中相关标签的问题。

所有显示、操作及OpenGL都是完整的。

为了使用布尔运算符操作布局，新的"cif paint" 命令提供了一些"cifoutput"操作功能。

提高了执行速度。

为网格操作和字符设置增加了两个额外菜单。

#### Electric

*electric* 已更新至 8.09 版本

请注意大量电气用户群使用的第三方插件由于许可方面不能与Fedora兼容，因此FEL无法把这些插件加入其中。Fedora电气实验团队理解由于上游版本的更新造成的与用户插件互操作性的破坏。因此新版的电气包将放到更新测试仓库。

### 7.2.4. 数字设计

#### Dinotrace

Dinotrace是Fedora 12新增的，一个可以识别Verilog值变更转储，ASCII及其它跟踪格式的波形查看器。

它允许定位鼠标，高亮信号，搜索，打印及其它优于多数商业波形监视器的能力。

Dinotrace针对快速调试进行了优化。有了VTRACE，模拟失败时会自动在波形查看器中将光标定位在错误处，添加可见注释。点击鼠标4次，日志文件中的错误将以高亮显示，并且可在源文件中看到错误位置的信号值。

Fedora为emacs提供了dinotrace-mode做为*emacs-dinotrace-mode*。

#### eqntott

*eqntott*将布尔逻辑表达式转换为真值表。这对 *espresso* 包为逻辑最小化准备输入数据，将逻辑表达式转换为简单形式以及创建真值表都有所帮助。*eqntott*是为Fedora 12新增的工具。

#### espresso-ab

*espresso*为Fedora 12新增工具，takes as input a two-level representation of a two-valued (or multiplevalued) Boolean function, and produces a minimal equivalent representation。它是个布尔逻辑最小化工具。

#### Verilator

Verilator是最快的免费Verilog HDL模拟器。它能够编译可合成的Verilog，向C++或SystemC代码中添加PSL，SystemVerilog及Synthesis判断。它的设计主要针对注重快速模拟性能的大项目，并能很好的用于为嵌入式软件设计团队创建CPU可执行模型。

#### vrq

VRQ是模块式的verilog分析器，它支持用插件工具处理verilog。通过执行vrq可以管道形式逐步调用多个工具。它是一个以自定义插件做后端的通用前端分析器。

#### Alliance

Fedora Alliance CVS开发仓库在2009年八月得到了它的第100个补丁，以解决在64位架构上的稳定性。我们为上游使用了全部补丁而感到高兴。同时我们为所有Fedora支持的测试仓库及EPEL-5测试仓库构建了这个新版本。本版本带来了一个全新的GUI*xgra*，它是个图形查看器。

Fedora不会用*herb*（被认为是Alliance的一支）替代Alliance。在F-11发布之前*herb*的开发一直活跃，但是在F-11发布后却停止了。由于Alliance VLSI上游仍然活跃并且也反应出我们的意愿，因此目前没有理由用*herb*代替*alliance*。

### 7.2.5. 硬件设计用的Perl脚本

#### perl-SystemPerl

这是Fedora 12的一个新软件包。

SystemPerl是SystemC语言的一个版本。它设计之初是为了扩展文本以最小化该语言中没有必要的重复。通过使用sp\_preproc, SystemPerl文件可在编译时扩展成C++文件, 或者在place中扩展使它们成为有效独立的SystemC文件。

#### perl-Verilog-Perl

*perl-Verilog-Perl*已更新到3.123。新特性包括:

改进了当"do" 做为识别码时的警告。

修正了漏掉的处理器标识符, bug106。

修正了Perl 5.8.8的编译错误rt48226。

修正了Perl 5.8.8的callbackgen编译错误。



#### 警告

*perl-Verilog-Perl*替代了*perl-Verilog*。建议Fedora用户据此调整自己写的Perl脚本。

## 7.3. 电路设计

Fedora 12为电路图捕获, 电路模拟及PCB布局等提供了一套完整的程序。以下就是这些程序的主要更新。本文档末尾可找到这些更新的完整列表。

#### geda

在Fedora 12, *geda*组件在之前被包装成为多套不同的应用软件程序, 现时以一个整全的组件形式提供。

#### gspiceui

Fedora的*gspiceui*已经由以前的*wxgtk 2.6*编译改为*wxgtk 2.8*编译。这提高了GSpiceUI的GUI界面。GSpiceUI将漏掉的opamp-3.sym包含在了/usr/share/gEDA/sym/misc/目录下(*geda symbols* 目录)。



#### PPC64

由于gwave缺少对PPC64架构的支持, GSpiceUI将不会出现在Fedora PPC64架构中。

#### kicad

Fedora12包含了最新的*kicad*package >, 该软件包修正了大量bug并提高了使用性。要了解这些更新的详细信息请参考上游的变更日志[http://www.lis.inpg.fr/realise\\_au\\_lis/kicad/](http://www.lis.inpg.fr/realise_au_lis/kicad/)。

#### ngspice

*ngspice* 已更新至rework 19。

内存管理: 修复内存溢出 (Bug 514484 - 长串警告信息)

综合了 *espice* 的错误修正及bugfixes and enhancements

plots和cli界面的bug修复.

重写的BSim模型, EPFL-EKV模型V2.63, ADMS模型mextram, hicum0, hicum2的集成。

Fedora的ngspice已打补丁, 可以接受来自Xcircuit TCL界面的呼叫。

#### tclspice

Fedora 12中新加入了*tclspice*包。

在ngspice-rework-19之前, *tclspice*的稳定性很差。*tclspice*的样本可通过命令 `rpm -qd tclspice`找到。

Tclspice通过TCL后端向Fedora用户提供了带有扩展功能的混合信号设计。由于Fedora同时提供了布尔操作(下一节中解释)的工具, 因此Fedora用户有足够的资源来定制他(她)自己的混合信号EDA插件。

#### xcircuit

*xcircuit* 更新至3.6.161。主要包括:

支持多示意图布局窗口

对键与功能的绑定程序和功能分派机制的完全精查产生效果。

为了使多窗口正常工作, 还需做一些增补和修正工作。

改进了通过区别在库页面和在文件中使用"技术命名空间"概念的操作方式。每个目标的名字都由一个"技术前缀", 一个双冒号("::")以及目标名组成。每个库文件均声明一个技术名称, 作为那个文件中的所有目标的前缀。前缀通常被XCircuit用来追踪目标来自哪一个文件, 而不考虑被加载到哪一个库页面。增加支持保持当符号移除后连接到符号接口的线路仍然连接。同时它可在 "附到" 功能上扩展, 允许电线(半)自动地附到接口标签或符号接口上。"附到" ("A"键)的关键宏也可以像"画电线" 功能 ("w"键)那样, 从附到符号接口或符号标签上的始端开始画一条电线。

3.6.66版本后改变了PCB信息标签操作方法。

提高了执行速度。

Fedora的ngspice已打补丁, 可以接受来自Xcircuit TCL界面的呼叫。

## 7.4. 嵌入式开发

Fedora 12提供了一系列支持嵌入式开发的软件包。对AVR和相关部件以及Microchip PIC提供了广泛的支持。此外, 还提供了在Z80, 8051等较旧的、不常用的部件上进行开发的包。引用

[https://fedoraproject.org/wiki/Packages\\_For\\_Embedded\\_Development](https://fedoraproject.org/wiki/Packages_For_Embedded_Development)下的□□□□□□以了解更多的介绍。

#### GNUSim8085

Fedora新增了*gnusim8085*。GNUSim8085是一个针对Intel 8085微处理器汇编语言的图形模拟器。它提供了一些很好的特性, 例如更容易编写汇编程序的键盘。同时它带有用于调试程序的堆栈, 内存及端口监视器。

#### gputils

*gputils*增加了对新处理器的支持。*gputils*目前支持MPLAB 8.20支持的所有处理器 (EEPROM及类似设备除外)。

#### gsim85

*gsim85*是一个8085微处理器模拟器。它配有非常友好的图形用户界面。在8085程序真正在目标板上执行前可用它来进行测试。*gsim85*为Fedora 12新增程序。



#### mcu8051ide

Fedora 12包含了新软件包`mcu8051ide`。MCU 8051 IDE是针对基于8051微控制器的集成开发环境。支持C语言和汇编语言。

它拥有自己的汇编器并支持两个外部汇编器。对于C语言，它使用SDCC编译器。

#### openocd

Fedora 12新增了Open On-Chip Debugger (OpenOCD)，为嵌入式设备提供调试，系统内编程及边界扫描功能。支持众多不同的 boards, targets及interfaces以节省开发时间。

#### sdcc

`sdcc2.9.0`版包含了一系列新特征。详细改动清单请引用<http://sdcc.sourceforge.net/>。



#### 代码可能不兼容

为`sdcc 2.8.0`版本开发的代码可能不能跟 `2.9.0` 版本完全兼容。with `2.9.0`.

## 7.5. 对业余无线电爱好者来说有什么新特性?

Fedora 12包括了很多业余无线电和电子爱好者感兴趣的应用程序和库。这些应用程序大多包含在Fedora 的电子实验室定制版中。同时在电路设计，嵌入式开发及科学和数学中也可找到这些有趣的程序。有关Fedora提供的业余无线电程序完整列表请查看位于

[https://fedoraproject.org/wiki/Applications\\_for\\_Amateur\\_Radio](https://fedoraproject.org/wiki/Applications_for_Amateur_Radio)的wiki页面。

本节主要介绍自上个Fedora发行版以来这些应用程序的关键更新。要了解所有更新信息，请参考本文档末尾的表格。

#### hamlib

`hamlib`增加了对以下各项的支持:

NRD-525

Kenwood TRC-80

Winradio G305/G315

Yaseau FT2000 and FTDX-9000

#### xlog

除了修正bug外，`xlog`还新增了可以方便未知国家操作的特性。当选中"工具 ->查找未知国家"选项后，`xlog`会显示DXCC查找失败的联系人列表。然后您可以使用awards列中的"DXCC-"进行修正。

## 8. Fedora 12的所有更改

本节详细介绍了自Fedora 11发行以来所有变更的软件包。表格是按照软件仓库中的软件组排列的。这样编组可以让不同的人看到不同的结果，所以您在目录里查找自己感兴趣的软件包时会更容易。

## 8.1. 娱乐

### 8.1.1. 娱乐-游戏

组件	老版本	新版本	上游URL
<i>alienarena</i>	7.21	7.32	<a href="http://red.planetarena.org/">http://red.planetarena.org/</a>
<i>alienarena-data</i>	20090115	20091102	<a href="http://icculus.org/alienarena/">http://icculus.org/alienarena/</a>
<i>alienarena-server</i>	7.21	7.32	<a href="http://red.planetarena.org/">http://red.planetarena.org/</a>
<i>anki</i>	0.9.9.7.4	0.9.9.8.5	<a href="http://www.ichi2.net/anki">http://www.ichi2.net/anki</a>
<i>armacycles-ad</i>	0.2.8.2.1	0.2.8.3	<a href="http://armagetronad.sf.net">http://armagetronad.sf.net</a>
<i>armacycles-ad-dedicated</i>	0.2.8.2.1	0.2.8.3	<a href="http://armagetronad.sf.net">http://armagetronad.sf.net</a>
<i>atanks</i>	3.2	3.9	<a href="http://atanks.sourceforge.net/">http://atanks.sourceforge.net/</a>
<i>bastet</i>	new	0.43	<a href="http://fph.altervista.org/prog/bastet.html">http://fph.altervista.org/prog/bastet.html</a>
<i>blobAndConquer</i>	1.0	dropped	<a href="http://www.parallelrealities.co.uk/blobAndConquer.php">http://www.parallelrealities.co.uk/blobAndConquer.php</a>
<i>bygfoot</i>	2.2.0	2.3.2	<a href="http://www.bygfoot.com">http://www.bygfoot.com</a>
<i>cf dg</i>	2.1	2.2	<a href="http://www.contextfreeart.org/">http://www.contextfreeart.org/</a>
<i>childsplay</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_ca</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_de</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_es</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_fr</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_it</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_nl</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>
<i>childsplay-alphabet_sounds_ru</i>	1.1	1.4	<a href="http://www.schoolsplay.org/">http://www.schoolsplay.org/</a>

组件	老版本	新版本	上游URL
<i>chromium-bsu</i>	new	0.9.14	<a href="http://chromium-bsu.sourceforge.net/">http://chromium-bsu.sourceforge.net/</a>
<i>colossus</i>	new	0.9.3	<a href="http://colossus.sourceforge.net/">http://colossus.sourceforge.net/</a>
<i>cyphesis-logwatch</i>	0.5.19	0.5.21	<a href="http://www.worldforge.org">http://www.worldforge.org</a>
<i>darkplaces</i>	new	20090501	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>darkplaces-quake</i>	new	20090501	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>darkplaces-quake-server</i>	new	20090501	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>darkplaces-server</i>	new	20090501	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>dracula-de</i>	new	1.0	<a href="http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba">http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba</a>
<i>dracula-es</i>	new	1.0	<a href="http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba">http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba</a>
<i>dracula-fr</i>	new	1.0	<a href="http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba">http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba</a>
<i>dracula-it</i>	new	1.0	<a href="http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba">http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba</a>
<i>dracula-music</i>	new	1.0	<a href="http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba">http://wiki.scummvm.org/index.php/Dracula:_The_Vampire_Strikes_Ba</a>
<i>ember</i>	0.5.5	0.5.6	<a href="http://www.worldforge.org/dev/eng/clients/ember">http://www.worldforge.org/dev/eng/clients/ember</a>
<i>ember-media</i>	0.5.5	0.5.6	<a href="http://www.worldforge.org/dev/eng/clients/ember">http://www.worldforge.org/dev/eng/clients/ember</a>
<i>fillets-ng</i>	0.8.1	0.9.1	<a href="http://fillets.sourceforge.net/">http://fillets.sourceforge.net/</a>
<i>fillets-ng-data</i>	0.8.1	0.9.0	<a href="http://fillets.sourceforge.net/">http://fillets.sourceforge.net/</a>
<i>freecol</i>	0.8.1	0.8.3	<a href="http://www.freecol.org/">http://www.freecol.org/</a>
<i>freedink</i>	1.08.20090120	1.08.20090918	<a href="http://www.freedink.org/">http://www.freedink.org/</a>

组件	老版本	新版本	上游URL
<i>freedink-data</i>	1.08.20080920	1.08.20090706	<a href="http://www.freedink.org/">http://www.freedink.org/</a>
<i>freedink-dfarc</i>	3.2.1	3.4	<a href="http://www.freedink.org/">http://www.freedink.org/</a>
<i>freedink-engine</i>	1.08.20090120	1.08.20090918	<a href="http://www.freedink.org/">http://www.freedink.org/</a>
<i>freedom</i>	0.6.2	0.6.4	<a href="https://savannah.nongnu.org/projects/freedom/">https://savannah.nongnu.org/projects/freedom/</a>
<i>freedom-freedom</i>	0.6.2	0.6.4	<a href="https://savannah.nongnu.org/projects/freedom/">https://savannah.nongnu.org/projects/freedom/</a>
<i>freedroidrpg</i>	0.11.1	0.12.1	<a href="http://freedroid.sourceforge.net/">http://freedroid.sourceforge.net/</a>
<i>freedroidrpg-data</i>	new	0.12.1	<a href="http://freedroid.sourceforge.net/">http://freedroid.sourceforge.net/</a>
<i>geoqo</i>	0.99	1.01	<a href="http://www.geoqo.org/">http://www.geoqo.org/</a>
<i>glest</i>	3.2.1	3.2.2	<a href="http://glest.org">http://glest.org</a>
<i>glob2</i>	0.9.3	0.9.4.1	<a href="http://globulation2.org/">http://globulation2.org/</a>
<i>gnome-games</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/gnome-games/">http://projects.gnome.org/gnome-games/</a>
<i>gnome-games-extra</i>	new	2.28.1	<a href="http://projects.gnome.org/gnome-games/">http://projects.gnome.org/gnome-games/</a>
<i>gnome-games-extra-data</i>	2.26.0	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnujump</i>	new	1.0.6	<a href="http://gnu.org/software/gnujump">http://gnu.org/software/gnujump</a>
<i>hedgewars</i>	0.9.9	0.9.11	<a href="http://www.hedgewars.org/">http://www.hedgewars.org/</a>
<i>inksmoto</i>	0.5.1	0.6.0	<a href="http://xmoto.sourceforge.net/">http://xmoto.sourceforge.net/</a>
<i>kanatest</i>	0.4.4	0.4.8	<a href="http://www.clayo.org/kanatest/">http://www.clayo.org/kanatest/</a>
<i>kdeedu</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeedu-kstars</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeedu-marble</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeedu-math</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdegames</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>manaworld</i>	0.0.28	0.0.29.1	<a href="http://themanaworld.org">http://themanaworld.org</a>
<i>maxr</i>	0.2.4	0.2.6	<a href="http://www.maxr.org">http://www.maxr.org</a>
<i>mmapper</i>	new	2.0.4	<a href="http://sourceforge.net/projects/mmapper">http://sourceforge.net/projects/mmapper</a>

组件	老版本	新版本	上游URL
<i>mnemosyne</i>	1.2	1.2.1	<a href="http://www.mnemosyne-proj.org/">http://www.mnemosyne-proj.org/</a>
<i>nazghul</i>	0.6.0	0.7.0	<a href="http://myweb.cableone.net/gmcutt/nazghul.html">http://myweb.cableone.net/gmcutt/nazghul.html</a>
<i>nazghul-haxima</i>	0.6.0	dropped	<a href="http://myweb.cableone.net/gmcutt/nazghul.html">http://myweb.cableone.net/gmcutt/nazghul.html</a>
<i>nethack-vultures</i>	2.1.0	2.1.2	<a href="http://www.darkarts.co.za/projects/vultures/">http://www.darkarts.co.za/projects/vultures/</a>
<i>nexuiz</i>	2.5	2.5.1	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>nexuiz-data</i>	2.5	2.5.1	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>nexuiz-server</i>	2.5	2.5.1	<a href="http://www.nexuiz.com/">http://www.nexuiz.com/</a>
<i>openarena</i>	0.7.7	0.8.1	<a href="http://openarena.ws/">http://openarena.ws/</a>
<i>openttd</i>	new	0.7.3	<a href="http://www.openttd.org">http://www.openttd.org</a>
<i>openttd-opengfx</i>	new	0.1.1	<a href="http://dev.openttdcoop.org/projects/opengfx">http://dev.openttdcoop.org/projects/opengfx</a>
<i>pokerth</i>	new	0.7.1	<a href="http://www.pokerth.net">http://www.pokerth.net</a>
<i>puzzles</i>	8373	8596	<a href="http://www.chiark.greenend.org.uk/~sgtatham/puzzles/">http://www.chiark.greenend.org.uk/~sgtatham/puzzles/</a>
<i>quake3</i>	1.34	1.36	<a href="http://ioquake3.org/">http://ioquake3.org/</a>
<i>quake3-demo</i>	1.34	1.36	<a href="http://ioquake3.org/">http://ioquake3.org/</a>
<i>robotfindskitten</i>	new	1.7320508.406	<a href="http://robotfindskitten.org">http://robotfindskitten.org</a>
<i>rocksndiamonds</i>	3.2.6.0	3.2.6.1	<a href="http://www.artsoft.org/rocksndiamonds/">http://www.artsoft.org/rocksndiamonds/</a>
<i>slashem</i>	new	0.0.8	<a href="http://slashem.sourceforge.net/">http://slashem.sourceforge.net/</a>
<i>spring</i>	0.78.2.1	0.80.4.2	<a href="http://springrts.com">http://springrts.com</a>
<i>springlobby</i>	0.0.1.10425	0.27	<a href="http://springlobby.info">http://springlobby.info</a>
<i>supertuxkart</i>	0.6.1	0.6.2	<a href="http://supertuxkart.sourceforge.net/">http://supertuxkart.sourceforge.net/</a>
<i>trackballs-music</i>	1.2	1.4	<a href="http://sourceforge.net/projects/trackballs">http://sourceforge.net/projects/trackballs</a>
<i>tremfusion</i>	new	0.99	<a href="http://www.tremfusion.net/">http://www.tremfusion.net/</a>
<i>tremfusion-common</i>	new	0.99	<a href="http://www.tremfusion.net/">http://www.tremfusion.net/</a>

组件	老版本	新版本	上游URL
<i>tremfusion-server</i>	new	0.99	<a href="http://www.tremfusion.net/">http://www.tremfusion.net/</a>
<i>tremfusion-ty</i>	new	0.99	<a href="http://www.tremfusion.net/">http://www.tremfusion.net/</a>
<i>tuxmath</i>	new	1.7.2	<a href="http://tux4kids.alioth.debian.org/">http://tux4kids.alioth.debian.org/</a>
<i>tuxtype2</i>	1.5.17	1.7.5	<a href="http://tux4kids.alioth.debian.org/tuxtype/index.php">http://tux4kids.alioth.debian.org/tuxtype/index.php</a>
<i>urbanterror</i>	1.34	1.36	<a href="http://www.urbanterror.net/">http://www.urbanterror.net/</a>
<i>vdriфт</i>	20090215	20090615	<a href="http://vdriфт.net">http://vdriфт.net</a>
<i>vdriфт-data</i>	new	20090615	<a href="http://vdriфт.net">http://vdriфт.net</a>
<i>warzone2100</i>	2.1.2	2.2.1	<a href="http://wz2100.net/">http://wz2100.net/</a>
<i>warzone2100-sequences</i>	new	2.2.1	<a href="http://wz2100.net/">http://wz2100.net/</a>
<i>wesnoth</i>	1.6.2	1.6.5	<a href="http://www.wesnoth.org">http://www.wesnoth.org</a>
<i>wesnoth-data</i>	1.6.2	1.6.5	<a href="http://www.wesnoth.org">http://www.wesnoth.org</a>
<i>wesnoth-server</i>	1.6.2	1.6.5	<a href="http://www.wesnoth.org">http://www.wesnoth.org</a>
<i>wesnoth-tools</i>	1.6.2	1.6.5	<a href="http://www.wesnoth.org">http://www.wesnoth.org</a>
<i>worldofpadman</i>	1.34	1.36	<a href="http://padworld.myexp.de/">http://padworld.myexp.de/</a>
<i>wormux</i>	0.8.2	0.8.4	<a href="http://www.wormux.org">http://www.wormux.org</a>
<i>wormux-data</i>	0.8.2	0.8.4	<a href="http://www.wormux.org">http://www.wormux.org</a>
<i>xcowsay</i>	new	1.1	<a href="http://www.doof.me.uk/xcowsay">http://www.doof.me.uk/xcowsay</a>
<i>xmoto</i>	0.5.0	0.5.1	<a href="http://xmoto.sourceforge.net/">http://xmoto.sourceforge.net/</a>

表 2. 所有娱乐-游戏的更新

组件	老版本	新版本	上游URL
<i>xscorch</i>	0.2.0	0.2.1	<a href="http://www.xscorch.org/">http://www.xscorch.org/</a>
<i>yofrankie-bge</i>	1.4	1.1b	<a href="http://www.yofrankie.org/">http://www.yofrankie.org/</a>

表 3. All Amusements-Games changes (cont'd)

已更改软件包	105
未更改软件包	305
软件包总数	410

## 8.1.2. 娱乐-图象

组件	老版本	新版本	上游URL
<i>camorama</i>	new	0.19	<a href="http://camorama.fixedgear.org/">http:// camorama.fixedgear.org/</a>
<i>cbrpager</i>	0.9.19	0.9.20	<a href="http://www.jcoppens.com/soft/cbrpager/index.en.php">http:// www.jcoppens.com/ soft/cbrpager/ index.en.php</a>
<i>cheese</i>	2.26.0	2.28.1	<a href="http://projects.gnome.org/cheese/">http:// projects.gnome.org/ cheese/</a>
<i>dynamic-wallpaper</i>	new	0.3.1	<a href="https://sourceforge.net/projects/dynwallpaper">https://sourceforge.net/ projects/dynwallpaper</a>
<i>gnofract4d</i>	3.10	3.12	<a href="http://gnofract4d.sourceforge.net/">http:// gnofract4d.sourceforge.net/</a>
<i>gnome-nds-thumbnailer</i>	1.0.2	1.2.1	<a href="http://ftp.gnome.org/pub/GNOME/sources/gnome-nds-thumbnailer">http://ftp.gnome.org/ pub/GNOME/sources/ gnome-nds- thumbnailer</a>
<i>gnome-screensaver</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>kcometen4</i>	1.0.4	1.0.5	<a href="http://www.mehercule.net/staticpages/index.php/kcometen4">http:// www.mehercule.net/ staticpages/index.php/ kcometen4</a>
<i>kdeartwork-kxs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeartwork-screensavers</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeartwork-sounds</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeartwork-wallpapers</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdetoys</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>rsibreak</i>	0.9.0	0.10	<a href="http://www.rsibreak.org">http://www.rsibreak.org</a>
<i>rss-glx</i>	0.8.2.p	0.9.0.p	<a href="http://rss-glx.sourceforge.net/">http://rss- glx.sourceforge.net/</a>
<i>rss-glx-gnome-screensaver</i>	0.8.2.p	0.9.0.p	<a href="http://rss-glx.sourceforge.net/">http://rss- glx.sourceforge.net/</a>
<i>rss-glx-kde</i>	0.8.2.p	0.9.0.p	<a href="http://rss-glx.sourceforge.net/">http://rss- glx.sourceforge.net/</a>
<i>rss-glx-xscreensaver</i>	0.8.2.p	0.9.0.p	<a href="http://rss-glx.sourceforge.net/">http://rss- glx.sourceforge.net/</a>
<i>tzclock</i>	2.7.4	2.7.5	<a href="http://www.tzclock.org/">http://www.tzclock.org/</a>
<i>xlockmore</i>	5.26.1	5.28	<a href="http://www.tux.org/~bagleyd/xlockmore.html">http://www.tux.org/ ~bagleyd/ xlockmore.html</a>

组件	老版本	新版本	上游URL
<i>xlockmore-gtk</i>	5.26.1	5.28	<a href="http://www.tux.org/~bagleyd/xlockmore.html">http://www.tux.org/~bagleyd/xlockmore.html</a>
<i>xlockmore-motif</i>	5.26.1	5.28	<a href="http://www.tux.org/~bagleyd/xlockmore.html">http://www.tux.org/~bagleyd/xlockmore.html</a>
<i>xplanet</i>	1.2.0	1.2.1	<a href="http://xplanet.sourceforge.net">http://xplanet.sourceforge.net</a>
<i>xscreensaver</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>
<i>xscreensaver-base</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>
<i>xscreensaver-extras</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>
<i>xscreensaver-extras-gss</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>
<i>xscreensaver-gl-base</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>
<i>xscreensaver-gl-extras</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>
<i>xscreensaver-gl-extras-gss</i>	5.08	5.10	<a href="http://www.jwz.org/xscreensaver/">http://www.jwz.org/xscreensaver/</a>

表 4. 娱乐-图象的所有更新

已更改软件包	30
未更改软件包	43
软件包总数	73

## 8.2. 应用程序

### 8.2.1. 应用程序-Editors

组件	老版本	新版本	上游URL
<i>efte-common</i>	new	1.1	<a href="http://efte.cowgar.com">http://efte.cowgar.com</a>

表 5. 应用程序-编辑器的所有更新

已更改软件包	1
未更改软件包	0
软件包总数	1



## 8.2.2. 应用程序-压缩

组件	老版本	新版本	上游URL
<i>AcetoneISO2</i>	2.0.3	2.1.1	<a href="http://www.acetoneteam.org/">http://www.acetoneteam.org/</a>
<i>backintime-common</i>	new	0.9.26	<a href="http://www.le-web.org/back-in-time/">http://www.le-web.org/back-in-time/</a>
<i>backintime-gnome</i>	new	0.9.26	<a href="http://www.le-web.org/back-in-time/">http://www.le-web.org/back-in-time/</a>
<i>backintime-kde</i>	new	0.9.26	<a href="http://www.le-web.org/back-in-time/">http://www.le-web.org/back-in-time/</a>
<i>cfv</i>	1.18.2	1.18.3	<a href="http://cfv.sourceforge.net">http://cfv.sourceforge.net</a>
<i>cpdup</i>	1.11	1.14	<a href="http://apollo.backplane.com/FreeSrc/">http://apollo.backplane.com/FreeSrc/</a>
<i>cpio</i>	2.9.90	2.10	<a href="http://www.gnu.org/software/cpio/">http://www.gnu.org/software/cpio/</a>
<i>daa2iso</i>	0.1.7a	0.1.7c	<a href="http://aluigi.altervista.org/mytoolz.htm">http://aluigi.altervista.org/mytoolz.htm</a>
<i>deco-archive</i>	1.4	1.5	<a href="http://hartlich.com/deco/">http://hartlich.com/deco/</a>
<i>dump</i>	0.4b41	0.4	<a href="http://dump.sourceforge.net/">http://dump.sourceforge.net/</a>
<i>duplicity</i>	0.5.12	0.6.05	<a href="http://www.nongnu.org/duplicity/">http://www.nongnu.org/duplicity/</a>
<i>dvdaster</i>	0.70.6	0.72.1	<a href="http://www.dvdaster.com">http://www.dvdaster.com</a>
<i>file-roller</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/file-roller/">http://download.gnome.org/sources/file-roller/</a>
<i>fsarchiver</i>	0.4.6	0.6.0	<a href="http://www.fsarchiver.org">http://www.fsarchiver.org</a>
<i>nssbackup</i>	new	0.2	<a href="http://launchpad.net/nssbackup">http://launchpad.net/nssbackup</a>
<i>par2cmdline</i>	0.4	0.4.tb20090203	<a href="http://par2cmdline.sourceforge.net/">http://par2cmdline.sourceforge.net/</a>
<i>rapid-photo-downloader</i>	new	0.0.10	<a href="http://damonlynch.net/rapid/">http://damonlynch.net/rapid/</a>
<i>rmt</i>	0.4b41	0.4	<a href="http://dump.sourceforge.net/">http://dump.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>xfburn</i>	0.4.1	0.4.2	<a href="http://goodies.xfce.org/projects/applications/xfburn">http://goodies.xfce.org/projects/applications/xfburn</a>
<i>xorriso</i>	new	0.3.8	<a href="http://scdbackup.sourceforge.net/xorriso_eng.html">http://scdbackup.sourceforge.net/xorriso_eng.html</a>

表 6. 应用程序-压缩的所有更新

已更改软件包	20
未更改软件包	49
软件包总数	69

### 8.2.3. 应用程序-通讯

组件	老版本	新版本	上游URL
<i>blueproximity</i>	new	1.2.5	<a href="http://blueproximity.sourceforge.net/">http://blueproximity.sourceforge.net/</a>
<i>cnetworkmanager</i>	new	0.21.1	<a href="http://vidner.net/martin/software/cnetworkmanager/">http://vidner.net/martin/software/cnetworkmanager/</a>
<i>ekiga</i>	3.2.0	3.2.6	<a href="http://www.ekiga.org/">http://www.ekiga.org/</a>
<i>empathy</i>	2.26.1	2.28.1.1	<a href="http://live.gnome.org/Empathy">http://live.gnome.org/Empathy</a>
<i>evolution-conduits</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http://projects.gnome.org/evolution/</a>
<i>fldigi</i>	3.10	3.11.6	<a href="http://www.w1hkj.com/fldigi-distro/">http://www.w1hkj.com/fldigi-distro/</a>
<i>gnokii</i>	0.6.27	0.6.28	<a href="http://www.gnokii.org/">http://www.gnokii.org/</a>
<i>gnome-bluetooth</i>	2.27.5	2.28.3	<a href="http://live.gnome.org/GnomeBluetooth">http://live.gnome.org/GnomeBluetooth</a>
<i>irssi</i>	0.8.12	0.8.14	<a href="http://irssi.org/">http://irssi.org/</a>
<i>itaka</i>	0.2.1	0.2.2	<a href="http://sourceforge.net/projects/itaka">http://sourceforge.net/projects/itaka</a>
<i>libnodeupdown</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>libnodeupdown-backend-ganglia</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>libnodeupdown-backend-openib</i>	new	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>

组件	老版本	新版本	上游URL
<i>libnodeupdown-backend-pingd</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>libnodeupdown-clusterlist-hostsfile</i>	new	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>libnodeupdown-devel</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>mailody</i>	new	1.5.0	<a href="http://www.mailody.net/">http://www.mailody.net/</a>
<i>morse2txt</i>	new	1.0.0	<a href="http://morse2txt.sourceforge.net/">http://morse2txt.sourceforge.net/</a>
<i>moserial</i>	new	2.27.3	<a href="http://live.gnome.org/moserial/">http://live.gnome.org/moserial/</a>
<i>mtkbabel</i>	new	0.8	<a href="https://sourceforge.net/projects/mtkbabel">https://sourceforge.net/projects/mtkbabel</a>
<i>nullmodem</i>	0.0.5	0.0.6	<a href="http://www.ant.uni-bremen.de/whomes/rinas/nullmodem/">http://www.ant.uni-bremen.de/whomes/rinas/nullmodem/</a>
<i>perl-libnodeupdown</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>pidgin-gfire</i>	new	0.8.3	<a href="http://www.gfireproject.org/">http://www.gfireproject.org/</a>
<i>pilot-link</i>	0.12.3	0.12.4	<a href="http://www.pilot-link.org/">http://www.pilot-link.org/</a>
<i>pilot-link-perl</i>	0.12.3	0.12.4	<a href="http://www.pilot-link.org/">http://www.pilot-link.org/</a>
<i>qlandkartegt</i>	0.10.0	0.15.1	<a href="http://www.qlandkarte.org/">http://www.qlandkarte.org/</a>
<i>qtel</i>	0.11.1	0.11.2	<a href="http://svxlink.sourceforge.net">http://svxlink.sourceforge.net</a>
<i>sems</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-conf_auth</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-diameter_client</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-g722</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-gateway</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>

组件	老版本	新版本	上游URL
<i>sems-gsm</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-ivr</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-mailbox</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-pin_collect</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-speex</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sems-xmlrpc2di</i>	new	1.1.1	<a href="http://www.iptel.org/sems">http://www.iptel.org/sems</a>
<i>sendxmpp</i>	new	0.0.8	<a href="http://sendxmpp.platon.sk/">http://sendxmpp.platon.sk/</a>
<i>sipwitch</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>sipwitch-php-swig</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>sipwitch-plugin-forward</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>sipwitch-plugin-scripting</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>sipwitch-plugin-subscriber</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>sipwitch-plugin-zeroconf</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>sipwitch-python-swig</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>soundmodem</i>	0.12	0.14	<a href="http://www.baycom.org/~tom/ham/soundmodem/">http://www.baycom.org/~tom/ham/soundmodem/</a>
<i>svxlink-server</i>	0.10.1	0.11.1	<a href="http://svxlink.sourceforge.net">http://svxlink.sourceforge.net</a>
<i>synce-hal</i>	0.13.1	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>synce-kpm</i>	0.13	0.14	<a href="http://www.synce.org/moin/SynceTools/SynceKpm">http://www.synce.org/moin/SynceTools/SynceKpm</a>
<i>synce-sync-engine</i>	0.13	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>synce-trayicon</i>	0.13	0.14	<a href="http://synce.sourceforge.net/">http://synce.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>telepathy-butterfly</i>	0.3.3	0.5.1	<a href="http://telepathy.freedesktop.org/wiki/">http://telepathy.freedesktop.org/wiki/</a>
<i>telepathy-gabble</i>	0.7.26	0.8.7	<a href="http://telepathy.freedesktop.org/wiki/">http://telepathy.freedesktop.org/wiki/</a>
<i>telepathy-haze</i>	0.3.0	0.3.1	<a href="http://developer.pidgin.im/wiki/Telepathy">http://developer.pidgin.im/wiki/Telepathy</a>
<i>telepathy-idle</i>	0.1.3	0.1.5	<a href="http://telepathy.freedesktop.org/wiki/FrontPage">http://telepathy.freedesktop.org/wiki/FrontPage</a>
<i>telepathy-salut</i>	0.3.9	0.3.10	<a href="http://telepathy.freedesktop.org/wiki/FrontPage">http://telepathy.freedesktop.org/wiki/FrontPage</a>
<i>telepathy-sofiasip</i>	0.5.15	0.5.18.1	<a href="http://sourceforge.net/projects/tp-sofiasip">http://sourceforge.net/projects/tp-sofiasip</a>
<i>telepathy-stream-engine</i>	0.5.8	0.5.11	<a href="http://telepathy.freedesktop.org/wiki/FrontPage">http://telepathy.freedesktop.org/wiki/FrontPage</a>
<i>tucnak2</i>	2.25	2.27	<a href="http://tucnak.nagano.cz/wiki/Main_Page">http://tucnak.nagano.cz/wiki/Main_Page</a>
<i>unshield</i>	0.5.1	0.6	<a href="http://synce.sourceforge.net/">http://synce.sourceforge.net/</a>
<i>vifir</i>	new	0.4	<a href="http://vifir.sourceforge.net/">http://vifir.sourceforge.net/</a>
<i>wammu</i>	0.29	0.30.1	<a href="http://wammu.eu/">http://wammu.eu/</a>
<i>weechat</i>	0.2.6.1	0.3.0	<a href="http://weechat.org">http://weechat.org</a>
<i>whatsup</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>whatsup-pingd</i>	1.8	1.9	<a href="https://computing.llnl.gov/linux/whatsup.html">https://computing.llnl.gov/linux/whatsup.html</a>
<i>xgnokii</i>	0.6.27	0.6.28	<a href="http://www.gnokii.org/">http://www.gnokii.org/</a>
<i>xgridloc</i>	new	0.9	<a href="http://5b4az.chronos.org.uk/pages/locator.html">http://5b4az.chronos.org.uk/pages/locator.html</a>
<i>xlog</i>	2.0.1	2.0.3	<a href="http://pg4i.chronos.org.uk/linux/xlog.html">http://pg4i.chronos.org.uk/linux/xlog.html</a>

表 7. 应用程序-通讯的所有变更

已更改软件包

69

未更改软件包	86
软件包总数	155

#### 8.2.4. 应用程序-数据库

组件	老版本	新版本	上游URL
<i>couchdb</i>	0.8.1	0.10.0	<a href="http://couchdb.apache.org/">http://couchdb.apache.org/</a>
<i>firebird</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>firebird-classic</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>firebird-devel</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>firebird-doc</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>firebird-filesystem</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>firebird-superserver</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>flamerobin</i>	new	0.9.2	<a href="http://www.flamerobin.org/">http://www.flamerobin.org/</a>
<i>glom</i>	1.10.0	1.12.2	<a href="http://www.glom.org/">http://www.glom.org/</a>
<i>mingw32-sqlite</i>	3.6.6.2	3.6.17	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<i>mysql</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-administrator</i>	5.0r12	5.0r14	<a href="http://www.mysql.com/products/tools/administrator/index.html">http://www.mysql.com/products/tools/administrator/index.html</a>
<i>mysql-bench</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-cluster</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-devel</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-embedded</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-embedded-devel</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-gui-tools</i>	5.0r12	5.0r14	<a href="http://www.mysql.com/products/tools/administrator/index.html">http://www.mysql.com/products/tools/administrator/index.html</a>
<i>mysql-libs</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-proxy</i>	0.6.1	0.7.2	<a href="http://forge.mysql.com/wiki/MySQL_Proxy">http://forge.mysql.com/wiki/MySQL_Proxy</a>
<i>mysql-query-browser</i>	5.0r12	5.0r14	<a href="http://www.mysql.com/products/tools/">http://www.mysql.com/products/tools/</a>

组件	老版本	新版本	上游URL
			<a href="#">administrator/index.html</a>
<i>mysql-server</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysql-test</i>	5.1.32	5.1.39	<a href="http://www.mysql.com">http://www.mysql.com</a>
<i>mysqludf_xql</i>	new	0.9.7	<a href="http://www.mysqludf.org/lib_mysqludf_xql/">http://www.mysqludf.org/lib_mysqludf_xql/</a>
<i>pgadmin3</i>	new	1.10.0	<a href="http://www.pgadmin.org/">http://www.pgadmin.org/</a>
<i>postgis</i>	1.3.5	1.3.6	<a href="http://postgis.refractions.net/">http://postgis.refractions.net/</a>
<i>postgis-docs</i>	new	1.3.6	<a href="http://postgis.refractions.net/">http://postgis.refractions.net/</a>
<i>postgis-jdbc</i>	1.3.5	1.3.6	<a href="http://postgis.refractions.net/">http://postgis.refractions.net/</a>
<i>postgis-utils</i>	1.3.5	1.3.6	<a href="http://postgis.refractions.net/">http://postgis.refractions.net/</a>
<i>postgresql</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-contrib</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-docs</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-jdbc</i>	8.3.603	8.4.701	<a href="http://jdbc.postgresql.org/">http://jdbc.postgresql.org/</a>
<i>postgresql-libs</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-odbc</i>	08.03.0200	08.04.0100	<a href="http://psqlodbc.projects.postgresql.org/">http://psqlodbc.projects.postgresql.org/</a>
<i>postgresql-pgpool-II</i>	2.2	2.2.5	<a href="http://pgpool.projects.PostgreSQL.org">http://pgpool.projects.PostgreSQL.org</a>
<i>postgresql-plperl</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-plpython</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-pltcl</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-python</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-server</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>

组件	老版本	新版本	上游URL
<i>postgresql-tcl</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-test</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql_autodoc</i>	1.31	1.40	<a href="http://www.rbt.ca/autodoc/">http://www.rbt.ca/autodoc/</a>
<i>python-psycopg2</i>	2.0.9	2.0.13	<a href="http://www.initd.org/software/initd/psycopg">http://www.initd.org/software/initd/psycopg</a>
<i>rhdb-utils</i>	8.3.0	8.4.0	<a href="http://sources.redhat.com/rhdb/">http://sources.redhat.com/rhdb/</a>
<i>rrdtool</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/rrdtool/</a>
<i>sepostgresql</i>	8.3.7	8.4.1	<a href="http://code.google.com/p/sepgsql/">http://code.google.com/p/sepgsql/</a>
<i>sqlite</i>	3.6.12	3.6.17	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<i>tokyotyrant</i>	new	1.1.34	<a href="http://1978th.net/tokyotyrant/">http://1978th.net/tokyotyrant/</a>
<i>virtuoso-opensource</i>	new	5.0.12	<a href="http://virtuoso.sourceforge.net/">http://virtuoso.sourceforge.net/</a>
<i>virtuoso-opensource-apps</i>	new	5.0.12	<a href="http://virtuoso.sourceforge.net/">http://virtuoso.sourceforge.net/</a>
<i>virtuoso-opensource-conductor</i>	new	5.0.12	<a href="http://virtuoso.sourceforge.net/">http://virtuoso.sourceforge.net/</a>
<i>virtuoso-opensource-utils</i>	new	5.0.12	<a href="http://virtuoso.sourceforge.net/">http://virtuoso.sourceforge.net/</a>
<i>xapian-core</i>	1.0.11	1.0.16	<a href="http://www.xapian.org/">http://www.xapian.org/</a>
<i>xbase-utils</i>	2.0.0	3.1.2	<a href="http://linux.techass.com/projects/xdb/">http://linux.techass.com/projects/xdb/</a>

表 8. 应用程序-数据库的所有变更

已更改软件包	56
未更改软件包	25
软件包总数	81

### 8.2.5. 应用程序-编辑器

组件	老版本	新版本	上游URL
<i>TeXmacs</i>	1.0.7.1	1.0.7.2	<a href="http://www.texmacs.org">http://www.texmacs.org</a>
<i>abiword</i>	2.6.8	2.8.1	<a href="http://www.abisource.com/">http://www.abisource.com/</a>



组件	老版本	新版本	上游URL
<i>avogadro</i>	0.9.3	1.0.0	<a href="http://avogadro.openmolecules.net/">http://avogadro.openmolecules.net/</a>
<i>beacon</i>	new	0.5	<a href="http://fedoraproject.org/wiki/DocBook_Editor">http://fedoraproject.org/wiki/DocBook_Editor</a>
<i>chemtool</i>	1.6.11	1.6.12	<a href="http://ruby.chemie.uni-freiburg.de/~martin/chemtool/chemtool.html">http://ruby.chemie.uni-freiburg.de/~martin/chemtool/chemtool.html</a>
<i>ddskk</i>	12.2.0	13.1	<a href="http://openlab.ring.gr.jp/skk/main.html">http://openlab.ring.gr.jp/skk/main.html</a>
<i>efte</i>	new	1.1	<a href="http://efte.cowgar.com">http://efte.cowgar.com</a>
<i>emacs</i>	22.3	23.1	<a href="http://www.gnu.org/software/emacs/">http://www.gnu.org/software/emacs/</a>
<i>emacs-common</i>	22.3	23.1	<a href="http://www.gnu.org/software/emacs/">http://www.gnu.org/software/emacs/</a>
<i>emacs-common-ebib</i>	1.7.2	1.8.0	<a href="http://ebib.sourceforge.net/">http://ebib.sourceforge.net/</a>
<i>emacs-common-proofgeneral</i>	new	3.7.1	<a href="http://proofgeneral.inf.ed.ac.uk/">http://proofgeneral.inf.ed.ac.uk/</a>
<i>emacs-ebib</i>	1.7.2	1.8.0	<a href="http://ebib.sourceforge.net/">http://ebib.sourceforge.net/</a>
<i>emacs-ebib-el</i>	1.7.2	1.8.0	<a href="http://ebib.sourceforge.net/">http://ebib.sourceforge.net/</a>
<i>emacs-el</i>	22.3	23.1	<a href="http://www.gnu.org/software/emacs/">http://www.gnu.org/software/emacs/</a>
<i>emacs-git</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>emacs-mercurial</i>	1.2.1	1.3.1	<a href="http://www.selenic.com/mercurial/">http://www.selenic.com/mercurial/</a>
<i>emacs-mercurial-el</i>	1.2.1	1.3.1	<a href="http://www.selenic.com/mercurial/">http://www.selenic.com/mercurial/</a>
<i>emacs-nox</i>	22.3	23.1	<a href="http://www.gnu.org/software/emacs/">http://www.gnu.org/software/emacs/</a>
<i>emacs-nxml-mode</i>	0.20041004	dropped	<a href="http://www.thaiopensource.com/nxml-mode/">http://www.thaiopensource.com/nxml-mode/</a>
<i>emacs-proofgeneral</i>	new	3.7.1	<a href="http://proofgeneral.inf.ed.ac.uk/">http://proofgeneral.inf.ed.ac.uk/</a>
<i>emacs-proofgeneral-el</i>	new	3.7.1	<a href="http://proofgeneral.inf.ed.ac.uk/">http://proofgeneral.inf.ed.ac.uk/</a>
<i>emacs-sdcc</i>	2.8.0	2.9.0	<a href="http://sdcc.sourceforge.net/">http://sdcc.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>emacs-vala</i>	0.5.7	0.7.5	<a href="http://live.gnome.org/Vala">http://live.gnome.org/Vala</a>
<i>flpsed</i>	0.5.0	0.5.2	<a href="http://www.ecademix.com/JohannesHofmann/flpsed.html">http://www.ecademix.com/JohannesHofmann/flpsed.html</a>
<i>frescobaldi</i>	0.7.8	0.7.14	<a href="http://www.frescobaldi.org/">http://www.frescobaldi.org/</a>
<i>gedit</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/gedit/">http://projects.gnome.org/gedit/</a>
<i>gedit-latex-plugin</i>	0.1.3.2	0.2	<a href="http://live.gnome.org/Gedit/LaTeXPlugin">http://live.gnome.org/Gedit/LaTeXPlugin</a>
<i>gedit-vala</i>	0.4.1	0.5.0	<a href="http://code.google.com/p/vtg/">http://code.google.com/p/vtg/</a>
<i>kobby</i>	new	1.0	<a href="http://greghaynes.github.com/kobby/">http://greghaynes.github.com/kobby/</a>
<i>leafpad</i>	0.8.13	0.8.17	<a href="http://tarot.freeshell.org/leafpad/">http://tarot.freeshell.org/leafpad/</a>
<i>nano</i>	2.0.6	2.0.9	<a href="http://www.nano-editor.org">http://www.nano-editor.org</a>
<i>nefte</i>	new	1.1	<a href="http://efte.cowgar.com">http://efte.cowgar.com</a>
<i>peppy</i>	new	0.11.25	<a href="http://peppy.flipturn.org">http://peppy.flipturn.org</a>
<i>ruby-mode</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>vim-X11</i>	7.2.148	7.2.245	<a href="http://www.vim.org/">http://www.vim.org/</a>
<i>vim-common</i>	7.2.148	7.2.245	<a href="http://www.vim.org/">http://www.vim.org/</a>
<i>vim-enhanced</i>	7.2.148	7.2.245	<a href="http://www.vim.org/">http://www.vim.org/</a>
<i>vim-minimal</i>	7.2.148	7.2.245	<a href="http://www.vim.org/">http://www.vim.org/</a>
<i>vim-perl-support</i>	4.1	4.4	<a href="http://www.vim.org/scripts/script.php?script_id=556">http://www.vim.org/scripts/script.php?script_id=556</a>
<i>xemacs</i>	21.5.28	21.5.29	<a href="http://www.xemacs.org/">http://www.xemacs.org/</a>
<i>xemacs-aplus-fsf-el</i>	new	4.22.4	<a href="http://www.aplusdev.org">http://www.aplusdev.org</a>
<i>xemacs-common</i>	21.5.28	21.5.29	<a href="http://www.xemacs.org/">http://www.xemacs.org/</a>
<i>xemacs-ebib</i>	1.7.2	1.8.0	<a href="http://ebib.sourceforge.net/">http://ebib.sourceforge.net/</a>
<i>xemacs-ebib-el</i>	1.7.2	1.8.0	<a href="http://ebib.sourceforge.net/">http://ebib.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>xemacs-nox</i>	21.5.28	21.5.29	<a href="http://www.xemacs.org/">http://www.xemacs.org/</a>
<i>xemacs-proofgeneral</i>	new	3.7.1	<a href="http://proofgeneral.inf.ed.ac.uk/">http://proofgeneral.inf.ed.ac.uk/</a>
<i>xemacs-proofgeneral-el</i>	new	3.7.1	<a href="http://proofgeneral.inf.ed.ac.uk/">http://proofgeneral.inf.ed.ac.uk/</a>
<i>xmlcopyeditor</i>	1.1.0.6	1.2.0.2	<a href="http://xml-copy-editor.sourceforge.net/">http://xml-copy-editor.sourceforge.net/</a>
<i>xournal</i>	0.4.2.1	0.4.5	<a href="http://xournal.sourceforge.net/">http://xournal.sourceforge.net/</a>
<i>zile</i>	2.3.6	2.3.9	<a href="http://www.gnu.org/software/zile/">http://www.gnu.org/software/zile/</a>

表 9. 应用程序-编辑器的所有更新

已更改软件包	50
未更改软件包	67
软件包总数	117

### 8.2.6. 应用程序-仿真器

组件	老版本	新版本	上游URL
<i>atari++</i>	1.55	1.57	<a href="http://www.xl-project.com/">http://www.xl-project.com/</a>
<i>cbios</i>	0.21	0.23	<a href="http://cbios.sourceforge.net/">http://cbios.sourceforge.net/</a>
<i>cbios-openmsx</i>	0.21	0.23	<a href="http://cbios.sourceforge.net/">http://cbios.sourceforge.net/</a>
<i>dosbox</i>	0.72	0.73	<a href="http://dosbox.sf.net">http://dosbox.sf.net</a>
<i>fbzx</i>	new	2.1b	<a href="http://www.rastersoft.com/fbzx.html">http://www.rastersoft.com/fbzx.html</a>
<i>fuse-emulator</i>	0.10.0.1	0.10.0.2	<a href="http://fuse-emulator.sourceforge.net">http://fuse-emulator.sourceforge.net</a>
<i>hatari</i>	1.2.0	1.3.1	<a href="http://hatari.berlios.de/">http://hatari.berlios.de/</a>
<i>ltsp-vmclient</i>	5.1.72	5.1.91	<a href="http://www.ltsp.org">http://www.ltsp.org</a>
<i>openbios-sparc</i>	new	1.0	<a href="http://www.openfirmware.info/OpenBIOS">http://www.openfirmware.info/OpenBIOS</a>
<i>openbios-sparc64</i>	new	1.0	<a href="http://www.openfirmware.info/OpenBIOS">http://www.openfirmware.info/OpenBIOS</a>
<i>openmsx</i>	0.6.3	0.7.2	<a href="http://openmsx.sourceforge.net">http://openmsx.sourceforge.net</a>

组件	老版本	新版本	上游URL
<i>scummvm</i>	0.13.0	0.13.1	<a href="http://scummvm.sourceforge.net/">http://scummvm.sourceforge.net/</a>
<i>vgabios</i>	0.6	0.6b	<a href="http://www.nongnu.org/vgabios/">http://www.nongnu.org/vgabios/</a>
<i>virt-manager</i>	0.7.0	0.8.0	<a href="http://virt-manager.org/">http://virt-manager.org/</a>
<i>wine</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-common</i>	new	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-core</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-desktop</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-fonts</i>	new	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>xenner</i>	0.46	0.47	<a href="http://kraxel.fedorapeople.org/xenner/">http://kraxel.fedorapeople.org/xenner/</a>

表 10. 应用程序-仿真器的所有更新

已更改软件包	20
未更改软件包	16
软件包总数	36

### 8.2.7. 应用程序-工程

组件	老版本	新版本	上游URL
<i>GMT</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-coastlines</i>	1.10	2.0.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-coastlines-all</i>	1.10	2.0.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-coastlines-full</i>	1.10	2.0.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-coastlines-high</i>	1.10	2.0.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-common</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>Mayavi</i>	new	3.2.0	<a href="http://pypi.python.org/pypi/Mayavi/">http://pypi.python.org/pypi/Mayavi/</a>
<i>QtDMM</i>	new	0.8.12	<a href="http://www.mtous saint.de/qtdmm.html">http://www.mtous saint.de/qtdmm.html</a>
<i>R</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>

组件	老版本	新版本	上游URL
<i>R-AnnotationDbi</i>	new	1.6.1	<a href="http://bioconductor.org/packages/2.4/bioc/html/AnnotationDbi.html">http://bioconductor.org/packages/2.4/bioc/html/AnnotationDbi.html</a>
<i>R-BSgenome</i>	new	1.12.3	<a href="http://bioconductor.org/packages/2.4/bioc/html/BSgenome.html">http://bioconductor.org/packages/2.4/bioc/html/BSgenome.html</a>
<i>R-BSgenome.Celegans.UCSC.ce2</i>	1.2.0	1.3.13	<a href="http://www.bioconductor.org/packages/2.4/data/annotation/html/BSgenome.Celegans.UCSC.ce2.html">http://www.bioconductor.org/packages/2.4/data/annotation/html/BSgenome.Celegans.UCSC.ce2.html</a>
<i>R-Biobase</i>	2.2.2	2.4.1	<a href="http://bioconductor.org/packages/2.4/bioc/html/Biobase.html">http://bioconductor.org/packages/2.4/bioc/html/Biobase.html</a>
<i>R-Biostrings</i>	new	2.12.9	<a href="http://bioconductor.org/packages/2.4/bioc/html/Biostrings.html">http://bioconductor.org/packages/2.4/bioc/html/Biostrings.html</a>
<i>R-BufferedMatrix</i>	1.6.0	1.8.0	<a href="http://bioconductor.org/packages/release/bioc/html/BufferedMatrix.html">http://bioconductor.org/packages/release/bioc/html/BufferedMatrix.html</a>
<i>R-GeneR</i>	2.13.1	2.14.0	<a href="http://www.bioconductor.org/packages/2.4/bioc/html/GeneR.html">http://www.bioconductor.org/packages/2.4/bioc/html/GeneR.html</a>
<i>R-IRanges</i>	1.1.55	1.2.3	<a href="http://bioconductor.org/packages/2.4/bioc/html/IRanges.html">http://bioconductor.org/packages/2.4/bioc/html/IRanges.html</a>
<i>R-RM2</i>	new	0.0	<a href="http://cran.r-project.org/web/packages/RM2/">http://cran.r-project.org/web/packages/RM2/</a>
<i>R-RUnit</i>	0.4.21	0.4.22	<a href="http://cran.r-project.org/web/packages/RUnit/index.html">http://cran.r-project.org/web/packages/RUnit/index.html</a>
<i>R-affy</i>	new	1.22.1	<a href="http://bioconductor.org/packages/2.4/bioc/html/affy.html">http://bioconductor.org/packages/2.4/bioc/html/affy.html</a>
<i>R-affyio</i>	1.10.1	1.12.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/affyio.html">http://bioconductor.org/packages/2.4/bioc/html/affyio.html</a>
<i>R-core</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>
<i>R-devel</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>
<i>R-hgu95av2probe</i>	2.0.0	2.4.0	<a href="http://www.bioconductor.org/packages/2.1/data/">http://www.bioconductor.org/packages/2.1/data/</a>

组件	老版本	新版本	上游URL
			<a href="http://www.r-project.org/annotation/html/hgu95av2probe.html">annotation/html/hgu95av2probe.html</a>
<i>R-java</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>
<i>R-java-devel</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>
<i>R-mAr</i>	1.1	1.1.1	<a href="http://cran.r-project.org/contrib">http://cran.r-project.org/contrib</a>
<i>R-msm</i>	new	0.9.1	<a href="http://cran.r-project.org/web/packages/msm/">http://cran.r-project.org/web/packages/msm/</a>
<i>R-multcomp</i>	1.0	1.1	<a href="http://cran.r-project.org/web/packages/multcomp/index.html">http://cran.r-project.org/web/packages/multcomp/index.html</a>
<i>R-preprocessCore</i>	new	1.6.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/preprocessCore.html">http://bioconductor.org/packages/2.4/bioc/html/preprocessCore.html</a>
<i>R-qtl</i>	1.10	1.14.2	<a href="http://www.rqtl.org/">http://www.rqtl.org/</a>
<i>R-qvalue</i>	1.16.0	1.18.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/qvalue.html">http://bioconductor.org/packages/2.4/bioc/html/qvalue.html</a>
<i>R-systemfit</i>	1.0	1.1	<a href="http://r-forge.r-project.org/projects/systemfit/">http://r-forge.r-project.org/projects/systemfit/</a>
<i>R-wavethresh</i>	2.2	2.2.11	<a href="http://cran.r-project.org/contrib/main/Descriptions/wavethresh.html">http://cran.r-project.org/contrib/main/Descriptions/wavethresh.html</a>
<i>alt-ergo</i>	0.8	0.9	<a href="http://alt-ergo.lri.fr">http://alt-ergo.lri.fr</a>
<i>apbs</i>	new	1.1.0	<a href="http://apbs.sourceforge.net/">http://apbs.sourceforge.net/</a>
<i>apbs-doc</i>	new	1.1.0	<a href="http://apbs.sourceforge.net/">http://apbs.sourceforge.net/</a>
<i>apbs-tools</i>	new	1.1.0	<a href="http://apbs.sourceforge.net/">http://apbs.sourceforge.net/</a>
<i>avrdude</i>	5.5	5.8	<a href="http://www.nongnu.org/avrdude">http://www.nongnu.org/avrdude</a>
<i>bc</i>	1.06	1.06.95	<a href="http://www.gnu.org/software/bc/">http://www.gnu.org/software/bc/</a>
<i>boinc-client</i>	6.4.7	6.6.37	<a href="http://boinc.berkeley.edu/">http://boinc.berkeley.edu/</a>
<i>boinc-manager</i>	6.4.7	6.6.37	<a href="http://boinc.berkeley.edu/">http://boinc.berkeley.edu/</a>
<i>coq</i>	8.1pl4	8.2pl1	<a href="http://coq.inria.fr/">http://coq.inria.fr/</a>
<i>coq-coqide</i>	8.1pl4	8.2pl1	<a href="http://coq.inria.fr/">http://coq.inria.fr/</a>

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<i>coq-doc</i>	8.1p14	8.2p11	<a href="http://coq.inria.fr/">http://coq.inria.fr/</a>
<i>coq-emacs</i>	8.1p14	8.2p11	<a href="http://coq.inria.fr/">http://coq.inria.fr/</a>
<i>dinotrace</i>	new	9.4a	<a href="http://www.veripool.org/wiki/dinotrace">http://www.veripool.org/wiki/dinotrace</a>
<i>eclib</i>	new	20080310	<a href="http://www.warwick.ac.uk/~masgaj/">http://www.warwick.ac.uk/~masgaj/</a>
<i>eclipse-texlipse</i>	new	1.3.0	<a href="http://texlipse.sourceforge.net">http://texlipse.sourceforge.net</a>
<i>eclipse-veditor</i>	new	0.6.3	<a href="http://veditor.sourceforge.net/">http://veditor.sourceforge.net/</a>
<i>electric</i>	8.08	8.09	<a href="http://www.staticfreesoft.com/">http://www.staticfreesoft.com/</a>
<i>elfelli</i>	new	0.3.1	<a href="http://home.gna.org/elfelli/">http://home.gna.org/elfelli/</a>
<i>emacs-gnuplot</i>	4.2.4	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>emacs-gnuplot-el</i>	4.2.4	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>eqntott</i>	new	9.0	<a href="http://code.google.com/p/eqntott">http://code.google.com/p/eqntott</a>
<i>espresso-ab</i>	new	1.0	<a href="http://code.google.com/p/eqntott">http://code.google.com/p/eqntott</a>
<i>extrema-doc</i>	new	4.3.6	<a href="http://exsitewebware.com/extrema/">http://exsitewebware.com/extrema/</a>
<i>fet</i>	5.7.7	5.10.3	<a href="http://lalescu.ro/liviu/fet">http://lalescu.ro/liviu/fet</a>
<i>fityk</i>	0.8.1	0.8.8	<a href="http://fityk.sourceforge.net/">http://fityk.sourceforge.net/</a>
<i>freefem++</i>	3.0	3.5	<a href="http://www.freefem.org/ff++/index.htm">http://www.freefem.org/ff++/index.htm</a>
<i>freefem++-glx</i>	3.0	3.5	<a href="http://www.freefem.org/ff++/index.htm">http://www.freefem.org/ff++/index.htm</a>
<i>freefem++-mpi</i>	3.0	3.5	<a href="http://www.freefem.org/ff++/index.htm">http://www.freefem.org/ff++/index.htm</a>
<i>freehdl</i>	0.0.6	0.0.7	<a href="http://www.freehdl.seul.org/">http://www.freehdl.seul.org/</a>
<i>gabedit</i>	2.1.17	2.2.4	<a href="http://gabedit.sourceforge.net/home.html">http://gabedit.sourceforge.net/home.html</a>
<i>gausssum</i>	new	2.1.6	<a href="http://gausssum.sourceforge.net/">http://gausssum.sourceforge.net/</a>
<i>gdpc</i>	new	2.2.5	<a href="http://www.frantz.fi/software/gdpc.php">http://www.frantz.fi/software/gdpc.php</a>

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<i>geda-gschem</i>	20081231	1.6.0	<a href="http://www.geda.seul.org">http://www.geda.seul.org</a>
<i>geda-gsymcheck</i>	20081231	1.6.0	<a href="http://www.geda.seul.org">http://www.geda.seul.org</a>
<i>geda-utils</i>	20081231	1.6.0	<a href="http://www.geda.seul.org">http://www.geda.seul.org</a>
<i>genius</i>	1.0.3	1.0.7	<a href="http://www.jirka.org/genius.html">http://www.jirka.org/genius.html</a>
<i>genius-devel</i>	1.0.3	1.0.7	<a href="http://www.jirka.org/genius.html">http://www.jirka.org/genius.html</a>
<i>geos</i>	3.0.3	3.1.1	<a href="http://trac.osgeo.org/geos/">http://trac.osgeo.org/geos/</a>
<i>gerbv</i>	2.2.0	2.3.0	<a href="http://gerbv.gpleda.org/index.html">http://gerbv.gpleda.org/index.html</a>
<i>gmp-ecm</i>	6.2.1	6.2.3	<a href="http://gforge.inria.fr/projects/ecm/">http://gforge.inria.fr/projects/ecm/</a>
<i>gnome-chemistry-utils</i>	0.10.4	0.10.8	<a href="http://www.nongnu.org/gchemutils/">http://www.nongnu.org/gchemutils/</a>
<i>gnome-genius</i>	1.0.3	1.0.7	<a href="http://www.jirka.org/genius.html">http://www.jirka.org/genius.html</a>
<i>gnuplot</i>	4.2.4	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>gnuplot-common</i>	4.2.4	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>gnuplot-doc</i>	4.2.4	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>gnuplot-latex</i>	new	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>gnuplot-minimal</i>	4.2.4	4.2.6	<a href="http://www.gnuplot.info/">http://www.gnuplot.info/</a>
<i>gnuradio</i>	3.1.3	3.2.2	<a href="http://www.gnuradio.org">http://www.gnuradio.org</a>
<i>gnuradio-devel</i>	3.1.3	3.2.2	<a href="http://www.gnuradio.org">http://www.gnuradio.org</a>
<i>gnuradio-doc</i>	3.1.3	3.2.2	<a href="http://www.gnuradio.org">http://www.gnuradio.org</a>
<i>gnuradio-examples</i>	3.1.3	3.2.2	<a href="http://www.gnuradio.org">http://www.gnuradio.org</a>
<i>gnusim8085</i>	new	1.3.5	<a href="http://gnusim8085.sourceforge.net">http://gnusim8085.sourceforge.net</a>
<i>gonvert</i>	0.2.19	0.2.20	<a href="http://unihedron.com/projects/gonvert">http://unihedron.com/projects/gonvert</a>
<i>gtkwave</i>	3.2.1	3.2.3	<a href="http://gtkwave.sourceforge.net/">http://gtkwave.sourceforge.net/</a>
<i>healpy</i>	new	0.9.6.1	<a href="http://code.google.com/p/healpy/">http://code.google.com/p/healpy/</a>
<i>kicad</i>	2007.07.09	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>



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<i>kst</i>	1.7.0	1.8.0	<a href="http://kst.kde.org/">http://kst.kde.org/</a>
<i>kst-devel</i>	1.7.0	1.8.0	<a href="http://kst.kde.org/">http://kst.kde.org/</a>
<i>kst-docs</i>	1.7.0	1.8.0	<a href="http://kst.kde.org/">http://kst.kde.org/</a>
<i>kst-fits</i>	1.7.0	1.8.0	<a href="http://kst.kde.org/">http://kst.kde.org/</a>
<i>kst-getdata</i>	new	1.8.0	<a href="http://kst.kde.org/">http://kst.kde.org/</a>
<i>kst-netcdf</i>	1.7.0	1.8.0	<a href="http://kst.kde.org/">http://kst.kde.org/</a>
<i>linsmith</i>	0.99.11	0.99.12	<a href="http://jcoppens.com/soft/linsmith/index.en.php">http://jcoppens.com/soft/linsmith/index.en.php</a>
<i>magic</i>	7.5.169	8.0.54	<a href="http://opencircuitdesign.com/magic/index.html">http://opencircuitdesign.com/magic/index.html</a>
<i>maloc</i>	new	0.2	<a href="http://www.fetk.org">http://www.fetk.org</a>
<i>mapnik</i>	0.5.2	0.6.1	<a href="http://mapnik.org/">http://mapnik.org/</a>
<i>maxima</i>	5.17.1	5.19.2	<a href="http://maxima.sourceforge.net/">http://maxima.sourceforge.net/</a>
<i>maxima-gui</i>	5.17.1	5.19.2	<a href="http://maxima.sourceforge.net/">http://maxima.sourceforge.net/</a>
<i>maxima-runtime-clisp</i>	5.17.1	5.19.2	<a href="http://maxima.sourceforge.net/">http://maxima.sourceforge.net/</a>
<i>maxima-runtime-cmucl</i>	5.17.1	5.19.2	<a href="http://maxima.sourceforge.net/">http://maxima.sourceforge.net/</a>
<i>maxima-runtime-sbcl</i>	5.17.1	5.19.2	<a href="http://maxima.sourceforge.net/">http://maxima.sourceforge.net/</a>
<i>maxima-src</i>	5.17.1	5.19.2	<a href="http://maxima.sourceforge.net/">http://maxima.sourceforge.net/</a>
<i>mcu8051ide</i>	new	1.1	<a href="http://mcu8051ide.sourceforge.net">http://mcu8051ide.sourceforge.net</a>
<i>mrpt-apps</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>ncl</i>	5.1.0	5.1.1	<a href="http://www.ncl.ucar.edu">http://www.ncl.ucar.edu</a>
<i>ncl-common</i>	5.1.0	5.1.1	<a href="http://www.ncl.ucar.edu">http://www.ncl.ucar.edu</a>
<i>nco</i>	3.9.7	3.9.8	<a href="http://nco.sourceforge.net/">http://nco.sourceforge.net/</a>
<i>netcdf</i>	4.0.0	4.0.1	<a href="http://my.unidata.ucar.edu/content/software/netcdf/index.html">http://my.unidata.ucar.edu/content/software/netcdf/index.html</a>
<i>ngspice</i>	18	19	<a href="http://ngspice.sourceforge.net/">http://ngspice.sourceforge.net/</a>
<i>octave</i>	3.0.5	3.2.3	<a href="http://www.octave.org">http://www.octave.org</a>

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<i>octave-forge</i>	20080831	20090607	<a href="http://octave.sourceforge.net">http://octave.sourceforge.net</a>
<i>openscada</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-ARH-DBArch</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-ARH-FSArch</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-BlockCalc</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-DCON</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-Gate</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-JavaLikeCalc</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-LogicLevel</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-ModBus</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-SNMP</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-Siemens</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-Soundcard</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DAQ-System</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DB-DBF</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DB-MySQL</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-DB-SQLite</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-Protocol-HTTP</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-Protocol-SelfSystem</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-Special-FlibComplex1</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-Special-FlibMath</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-Special-FlibSys</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openscada-Special-SystemTests</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>

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<i>opencada-Transport-SSL</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-Transport-Serial</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-Transport-Sockets</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-UI-QTCfg</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-UI-QTStarter</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-UI-WebCfg</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-UI-WebCfgd</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-UI-WebVision</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>opencada-demo</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>orpie</i>	1.5.1	dropped	<a href="http://www.eecs.umich.edu/~pelzlpj/orpie/">http://www.eecs.umich.edu/~pelzlpj/orpie/</a>
<i>orsa-lam</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>orsa-mpich2</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>orsa-openmpi</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>paraview</i>	3.4.0	3.6.1	<a href="http://www.paraview.org/">http://www.paraview.org/</a>
<i>paraview-data</i>	3.4.0	3.6.1	<a href="http://www.paraview.org/">http://www.paraview.org/</a>
<i>paraview-devel</i>	3.4.0	3.6.1	<a href="http://www.paraview.org/">http://www.paraview.org/</a>
<i>paraview-doc</i>	3.4.0	3.6.1	<a href="http://www.paraview.org/">http://www.paraview.org/</a>
<i>paraview-mpi</i>	3.4.0	3.6.1	<a href="http://www.paraview.org/">http://www.paraview.org/</a>
<i>pdfposter</i>	new	0.5.0	<a href="http://pdfposter.origo.ethz.ch/">http://pdfposter.origo.ethz.ch/</a>
<i>perl-Verilog</i>	3.121	3.212	<a href="http://www.veripool.org/wiki/verilog-perl">http://www.veripool.org/wiki/verilog-perl</a>
<i>picviz</i>	0.5	0.6	<a href="http://www.wallinfire.net/picviz">http://www.wallinfire.net/picviz</a>

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<i>picviz-gui</i>	0.5	0.6	<a href="http://www.wallinfire.net/picviz">http://www.wallinfire.net/picviz</a>
<i>picviz-plugin-pngcairo</i>	0.5	0.6	<a href="http://www.wallinfire.net/picviz">http://www.wallinfire.net/picviz</a>
<i>plplot</i>	5.9.2	5.9.5	<a href="http://plplot.sourceforge.net/">http://plplot.sourceforge.net/</a>
<i>polyxmass-bin</i>	0.9.7	0.9.8	<a href="http://packages.debian.org/stable/science/polyxmass-bin">http://packages.debian.org/stable/science/polyxmass-bin</a>
<i>pspp</i>	0.6.1	0.6.2	<a href="http://www.gnu.org/software/pspp/">http://www.gnu.org/software/pspp/</a>
<i>pygrace</i>	0.3	0.4	<a href="http://www.its.caltech.edu/~mmckerns/software.html">http://www.its.caltech.edu/~mmckerns/software.html</a>
<i>python-altgraph</i>	new	0.6.7	<a href="http://undefined.org/python/#altgraph">http://undefined.org/python/#altgraph</a>
<i>python-upoints</i>	new	0.11.0	<a href="http://www.jnrowe.ukfsn.org/projects/upoints.html">http://www.jnrowe.ukfsn.org/projects/upoints.html</a>
<i>qelectrotech</i>	new	0.20	<a href="http://qelectrotech.org/">http://qelectrotech.org/</a>
<i>qgis</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qgis-grass</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qgis-python</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qgis-theme-classic</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qgis-theme-gis</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qgis-theme-nkids</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qucs</i>	0.0.14	0.0.15	<a href="http://qucs.sourceforge.net/">http://qucs.sourceforge.net/</a>
<i>roundup</i>	1.4.6	1.4.10	<a href="http://roundup.sourceforge.net/">http://roundup.sourceforge.net/</a>
<i>samtools</i>	new	0.1.5c	<a href="http://samtools.sourceforge.net/">http://samtools.sourceforge.net/</a>
<i>scidavis</i>	0.2.1	0.2.3	<a href="http://scidavis.sourceforge.net/">http://scidavis.sourceforge.net/</a>
<i>scitools</i>	0.4	0.6	<a href="http://code.google.com/p/scitools/">http://code.google.com/p/scitools/</a>
<i>scitools-extras</i>	0.4	0.6	<a href="http://code.google.com/p/scitools/">http://code.google.com/p/scitools/</a>

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<i>sdcc</i>	2.8.0	2.9.0	<a href="http://sdcc.sourceforge.net/">http://sdcc.sourceforge.net/</a>
<i>sdcc-libc-sources</i>	2.8.0	2.9.0	<a href="http://sdcc.sourceforge.net/">http://sdcc.sourceforge.net/</a>
<i>tachyon</i>	0.98.1	0.98.7	<a href="http://jedi.ks.uiuc.edu/~johns/raytracer/">http://jedi.ks.uiuc.edu/~johns/raytracer/</a>
<i>tachyon-gl</i>	0.98.1	0.98.7	<a href="http://jedi.ks.uiuc.edu/~johns/raytracer/">http://jedi.ks.uiuc.edu/~johns/raytracer/</a>
<i>tachyon-lam</i>	0.98.1	0.98.7	<a href="http://jedi.ks.uiuc.edu/~johns/raytracer/">http://jedi.ks.uiuc.edu/~johns/raytracer/</a>
<i>tachyon-lam-gl</i>	0.98.1	0.98.7	<a href="http://jedi.ks.uiuc.edu/~johns/raytracer/">http://jedi.ks.uiuc.edu/~johns/raytracer/</a>
<i>tclspice</i>	new	19	<a href="http://ngspice.sourceforge.net/">http://ngspice.sourceforge.net/</a>
<i>toped</i>	0.9.2	0.9.5	<a href="http://www.toped.org.uk">http://www.toped.org.uk</a>
<i>towhee</i>	new	6.2.6	<a href="http://towhee.sourceforge.net/">http://towhee.sourceforge.net/</a>
<i>towhee-common</i>	new	6.2.6	<a href="http://towhee.sourceforge.net/">http://towhee.sourceforge.net/</a>
<i>towhee-doc</i>	new	6.2.6	<a href="http://towhee.sourceforge.net/">http://towhee.sourceforge.net/</a>
<i>towhee-examples</i>	new	6.2.6	<a href="http://towhee.sourceforge.net/">http://towhee.sourceforge.net/</a>
<i>towhee-mpi</i>	new	6.2.6	<a href="http://towhee.sourceforge.net/">http://towhee.sourceforge.net/</a>
<i>ugene</i>	new	1.5.1	<a href="http://ugene.unipro.ru">http://ugene.unipro.ru</a>
<i>usrp</i>	3.1.3	3.2.2	<a href="http://www.gnuradio.org">http://www.gnuradio.org</a>
<i>usrp-devel</i>	3.1.3	3.2.2	<a href="http://www.gnuradio.org">http://www.gnuradio.org</a>
<i>verilator</i>	new	3.712	<a href="http://www.veripool.com/verilator.html">http://www.veripool.com/verilator.html</a>
<i>vtk-examples</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>vtk-testing</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>wannier90</i>	new	1.1	<a href="http://wannier.org/">http://wannier.org/</a>
<i>wgrib</i>	1.8.0.12u	1.8.0.13d	<a href="http://www.cpc.ncep.noaa.gov/products/wesley/wgrib.html">http://www.cpc.ncep.noaa.gov/products/wesley/wgrib.html</a>
<i>wgrib2</i>	1.7.8g	1.8.1	<a href="http://www.cpc.ncep.noaa.gov/products/wesley/wgrib2/">http://www.cpc.ncep.noaa.gov/products/wesley/wgrib2/</a>

组件	老版本	新版本	上游URL
<i>wxMaxima</i>	0.7.6	0.8.3a	<a href="http://wxmaxima.sourceforge.net/">http://wxmaxima.sourceforge.net/</a>
<i>xcircuit</i>	3.4.30	3.6.161	<a href="http://opencircuitdesign.com/xcircuit">http://opencircuitdesign.com/xcircuit</a>
<i>xdrfile</i>	new	1.1	<a href="http://oldwiki.gromacs.org/index.php/XTC_Library">http://oldwiki.gromacs.org/index.php/XTC_Library</a>
<i>xgridedit</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>xpa</i>	2.1.8	2.1.10	<a href="http://hea-www.harvard.edu/RD/xpa/">http://hea-www.harvard.edu/RD/xpa/</a>

表 11. 应用程序-工程的所有更新

已更改软件包	207
未更改软件包	188
软件包总数	395

### 8.2.8. 应用程序-文件

组件	老版本	新版本	上游URL
<i>MiniCopier</i>	new	0.4	<a href="http://a.courreges.free.fr/projets/minicopier/minicopier-en.php">http://a.courreges.free.fr/projets/minicopier/minicopier-en.php</a>
<i>asunder</i>	1.6.2	1.9	<a href="http://littlesvr.ca/asunder">http://littlesvr.ca/asunder</a>
<i>cksfv</i>	1.3.13	1.3.14	<a href="http://zakalwe.fi/~shd/foss/cksfv">http://zakalwe.fi/~shd/foss/cksfv</a>
<i>clamav</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-data</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-data-empty</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-filesystem</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-update</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>emelfm2</i>	0.5.1	0.6.2	<a href="http://emelfm2.net/">http://emelfm2.net/</a>
<i>findutils</i>	4.4.0	4.4.2	<a href="http://www.gnu.org/software/findutils/">http://www.gnu.org/software/findutils/</a>
<i>fslint</i>	2.28	2.40	<a href="http://www.pixelbeat.org/fslint/">http://www.pixelbeat.org/fslint/</a>
<i>gifsicle</i>	1.52	1.55	<a href="http://www.lcdf.org/gifsicle/">http://www.lcdf.org/gifsicle/</a>

组件	老版本	新版本	上游URL
<i>gifview</i>	1.52	1.55	<a href="http://www.lcdf.org/gifsicle/">http://www.lcdf.org/gifsicle/</a>
<i>glusterfs-client</i>	2.0.0	2.0.6	<a href="http://www.gluster.org/">http://www.gluster.org/</a>
<i>gnome-commander</i>	1.2.8	1.3	<a href="http://www.nongnu.org/gcmd/">http://www.nongnu.org/gcmd/</a>
<i>gnome-do</i>	0.8.1.3	0.8.2	<a href="http://do.davebsd.com/">http://do.davebsd.com/</a>
<i>gnomecatalog</i>	0.3.4	0.3.4.2	<a href="http://gnomecatalog.sourceforge.net/">http://gnomecatalog.sourceforge.net/</a>
<i>lzip</i>	1.4	1.7	<a href="http://www.nongnu.org/lzip/lzip.html">http://www.nongnu.org/lzip/lzip.html</a>
<i>mbuffer</i>	20080507	20090628	<a href="http://www.maier-komor.de/mbuffer.html">http://www.maier-komor.de/mbuffer.html</a>
<i>md5deep</i>	3.1	3.4	<a href="http://md5deep.sf.net/">http://md5deep.sf.net/</a>
<i>ncdu</i>	1.4	1.5	<a href="http://dev.yorhel.nl/ncdu/">http://dev.yorhel.nl/ncdu/</a>
<i>nfoview</i>	new	1.8	<a href="http://home.gna.org/nfoview/">http://home.gna.org/nfoview/</a>
<i>openbabel</i>	2.2.1	2.2.3	<a href="http://openbabel.org/">http://openbabel.org/</a>
<i>tesseract</i>	2.03	2.04	<a href="http://code.google.com/p/tesseract-ocr/">http://code.google.com/p/tesseract-ocr/</a>
<i>tuxcmd</i>	0.6.62	0.6.69	<a href="http://tuxcmd.sourceforge.net/">http://tuxcmd.sourceforge.net/</a>
<i>tuxcmd-gvfs</i>	0.6.62	0.6.69	<a href="http://tuxcmd.sourceforge.net/">http://tuxcmd.sourceforge.net/</a>
<i>tuxcmd-modules</i>	0.6.62	0.6.69	<a href="http://tuxcmd.sourceforge.net/">http://tuxcmd.sourceforge.net/</a>
<i>xz</i>	new	4.999.9	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>

表 12. 应用程序-文件的所有更新

已更改软件包	28
未更改软件包	64
软件包总数	92

### 8.2.9. 应用程序-互联网

组件	老版本	新版本	上游URL
<i>NetworkManager-gnome</i>	0.7.1	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>WebShell</i>	new	0.9.6	<a href="http://www-personal.umich.edu/">http://www-personal.umich.edu/</a>

组件	老版本	新版本	上游URL
			<a href="http://~mressl/webshell/index.html">~mressl/webshell/index.html</a>
<i>anyterm</i>	new	1.1.29	<a href="http://anyterm.org">http://anyterm.org</a>
<i>anyterm-httpd</i>	new	1.1.29	<a href="http://anyterm.org">http://anyterm.org</a>
<i>apcupsd-cgi</i>	3.14.5	3.14.7	<a href="http://www.apcupsd.com">http://www.apcupsd.com</a>
<i>aria2</i>	1.3.1	1.6.3	<a href="http://aria2.sourceforge.net/">http://aria2.sourceforge.net/</a>
<i>arora</i>	0.6	0.10.1	<a href="http://code.google.com/p/arora/">http://code.google.com/p/arora/</a>
<i>arora-gnome</i>	new	0.10.1	<a href="http://code.google.com/p/arora/">http://code.google.com/p/arora/</a>
<i>asterisk</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-ais</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-alsa</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-curl</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-dahdi</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-fax</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-festival</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-firmware</i>	1.6.1	dropped	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-ices</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-jabber</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-jack</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-ldap</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-ldap-fds</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-lua</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-minivm</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-misdn</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-mobile</i>	1.6.1	dropped	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-odbc</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-oss</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-portaudio</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-postgresql</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-radius</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-skinny</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-snmp</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>



组件	老版本	新版本	上游URL
<i>asterisk-sounds-core-en-alaw</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-g722</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-g729</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-gsm</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-siren14</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-siren7</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-sln16</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-ulaw</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-en-wav</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-alaw</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-g722</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-g729</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-gsm</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-siren14</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-siren7</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-sln16</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-ulaw</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-es-wav</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-alaw</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>

组件	老版本	新版本	上游URL
<i>asterisk-sounds-core-fr-g722</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-g729</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-gsm</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-siren14</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-siren7</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-sln16</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-ulaw</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sounds-core-fr-wav</i>	1.4.15	1.4.16	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-sqlite</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-tds</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-unistim</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-usbradio</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-voicemail</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-voicemail-imap</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-voicemail-odbc</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>asterisk-voicemail-plain</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>axel</i>	new	2.4	<a href="http://axel.alioth.debian.org/">http://axel.alioth.debian.org/</a>
<i>azureus</i>	4.0.0.4	4.2.0.8	<a href="http://azureus.sourceforge.net">http://azureus.sourceforge.net</a>
<i>balsa</i>	2.3.28	2.4.1	<a href="http://pawsa.fedorapeople.org/balsa/">http://pawsa.fedorapeople.org/balsa/</a>
<i>bareftp</i>	new	0.2.3	<a href="http://www.bareftp.org/">http://www.bareftp.org/</a>
<i>beldi</i>	0.9.24	0.9.25	<a href="http://belug.de/~beldi/">http://belug.de/~beldi/</a>
<i>bip</i>	0.8.0	0.8.2	<a href="http://bip.t1r.net">http://bip.t1r.net</a>
<i>bodhi-client</i>	0.5.19	0.6.1	<a href="https://fedorahosted.org/bodhi">https://fedorahosted.org/bodhi</a>
<i>bodhi-server</i>	0.5.19	0.6.1	<a href="https://fedorahosted.org/bodhi">https://fedorahosted.org/bodhi</a>
<i>bogofilter</i>	1.1.7	1.2.0	<a href="http://bogofilter.sourceforge.net/">http://bogofilter.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>bogofilter-bogoupgrade</i>	1.1.7	1.2.0	<a href="http://bogofilter.sourceforge.net/">http:// bogofilter.sourceforge.net/</a>
<i>bti</i>	015	023	<a href="http://www.kernel.org/pub/linux/kernel/people/gregkh/bti">http://www.kernel.org/ pub/linux/kernel/ people/gregkh/bti</a>
<i>callweaver</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-alsa</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-bluetooth</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-capi</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-devel</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-jabber</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-javascript</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-ldap</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-misdn</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-mysql</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-ogi</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-postgresql</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>callweaver-zaptel</i>	1.2.0.1	1.2.1	<a href="http://www.callweaver.org/">http:// www.callweaver.org/</a>
<i>canto</i>	new	0.7.4	<a href="http://codezen.org/canto/">http://codezen.org/ canto/</a>
<i>centerim</i>	4.22.6	4.22.8	<a href="http://www.centerim.org/">http:// www.centerim.org/</a>
<i>cherokee</i>	0.99.0	0.99.24	<a href="http://www.cherokee-project.com/">http://www.cherokee- project.com/</a>
<i>choqok</i>	0.5	0.6.6	<a href="http://choqok.gnufolks.org/">http:// choqok.gnufolks.org/</a>
<i>claws-mail</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>

组件	老版本	新版本	上游URL
<i>claws-mail-plugins-acpi-notifier</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-archive</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-att-remover</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-attachwarner</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-bogofilter</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-cachesaver</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-dillo</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-fancy</i>	new	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-fetchinfo</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-gtkhtml2-viewer</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-mailmbox</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-newmail</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-notification</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-perl</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-pgp</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-rssyl</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-smime</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-spam-report</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-spamassassin</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-synce</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-tnef</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>claws-mail-plugins-vcalendar</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>climm</i>	0.6.4	0.7	<a href="http://www.climm.org/">http://www.climm.org/</a>

组件	老版本	新版本	上游URL
<i>comgt</i>	0.32	dropped	<a href="http://sourceforge.net/projects/comgt">http://sourceforge.net/projects/comgt</a>
<i>cone</i>	0.75	0.78	<a href="http://www.courier-mta.org/cone/">http://www.courier-mta.org/cone/</a>
<i>conspy</i>	1.5	1.7	<a href="http://ace-host.stuart.id.au/russell/files/conspy/">http://ace-host.stuart.id.au/russell/files/conspy/</a>
<i>curl</i>	7.19.4	7.19.6	<a href="http://curl.haxx.se/">http://curl.haxx.se/</a>
<i>daemonize</i>	new	1.5.6	<a href="http://www.clapper.org/software/daemonize/">http://www.clapper.org/software/daemonize/</a>
<i>debmirror</i>	20070123	20090807	<a href="http://packages.qa.debian.org/d/debmirror.html">http://packages.qa.debian.org/d/debmirror.html</a>
<i>deluge</i>	1.1.6	1.1.9	<a href="http://deluge-torrent.org/">http://deluge-torrent.org/</a>
<i>deluge-flags</i>	new	1.1.9	<a href="http://deluge-torrent.org/">http://deluge-torrent.org/</a>
<i>deskbar-applet</i>	2.26.0	2.27.90	<a href="http://live.gnome.org/DeskbarApplet">http://live.gnome.org/DeskbarApplet</a>
<i>emesene</i>	1.0.1	1.5.1	<a href="http://emesene.org">http://emesene.org</a>
<i>epiphany</i>	2.26.1	2.28.1	<a href="http://www.gnome.org/projects/epiphany/">http://www.gnome.org/projects/epiphany/</a>
<i>epiphany-extensions</i>	2.26.1	2.28.1	<a href="http://www.gnome.org/projects/epiphany/extensions">http://www.gnome.org/projects/epiphany/extensions</a>
<i>esc</i>	1.0.1	1.1.0	<a href="http://directory.fedora.redhat.com/wiki/CoolKey">http://directory.fedora.redhat.com/wiki/CoolKey</a>
<i>evolution-rspam</i>	0.0.8	0.0.10	<a href="http://gnome.eu.org/evo/index.php/Report_as_Spam">http://gnome.eu.org/evo/index.php/Report_as_Spam</a>
<i>evolution-rss</i>	0.1.2	0.1.4	<a href="http://gnome.eu.org/evo/index.php/Evolution_RSS_Reader_Plugin">http://gnome.eu.org/evo/index.php/Evolution_RSS_Reader_Plugin</a>
<i>fetchmail</i>	6.3.9	6.3.11	<a href="http://fetchmail.berlios.de/">http://fetchmail.berlios.de/</a>
<i>filezilla</i>	3.2.4.1	3.2.8.1	<a href="http://filezilla-project.org/">http://filezilla-project.org/</a>
<i>finch</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>finch-devel</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>firefox</i>	3.5	3.5.4	<a href="http://www.mozilla.org/projects/firefox/">http://www.mozilla.org/projects/firefox/</a>

组件	老版本	新版本	上游URL
<i>fpaste</i>	new	0.3.4	<a href="https://fedorahosted.org/fpaste/">https://fedorahosted.org/fpaste/</a>
<i>gajim</i>	0.12.1	0.12.5	<a href="http://gajim.org/">http://gajim.org/</a>
<i>getmail</i>	4.9.0	4.11.0	<a href="http://pyropus.ca/software/getmail/">http://pyropus.ca/software/getmail/</a>
<i>gget-epiphany-extension</i>	0.0.4	dropped	<a href="http://live.gnome.org/GGet">http://live.gnome.org/GGet</a>
<i>globus-gass-copy-progs</i>	new	4.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-cert-utils-progs</i>	new	5.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gss-assist-progs</i>	new	4.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-openssl-progs</i>	new	3.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-proxy-utils</i>	new	2.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls-client-progs</i>	new	5.1	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls-server</i>	new	4.7	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>glpi</i>	0.71.5	0.72.2.1	<a href="http://www.glpi-project.org/">http://www.glpi-project.org/</a>
<i>glpi-data-injection</i>	1.4.0	1.7.0	<a href="http://www.glpi-project.org/">http://www.glpi-project.org/</a>
<i>glpi-mass-ocs-import</i>	1.2.2	1.3.0	<a href="http://www.glpi-project.org/">http://www.glpi-project.org/</a>
<i>glpi-pdf</i>	0.5	0.6.1	<a href="http://www.glpi-project.org/">http://www.glpi-project.org/</a>
<i>gnash-plugin</i>	0.8.5	0.9.0	<a href="http://www.gnu.org/software/gnash/">http://www.gnu.org/software/gnash/</a>
<i>gnaughty</i>	new	1.2.0	<a href="http://gnaughty.sourceforge.net">http://gnaughty.sourceforge.net</a>
<i>gnome-web-photo</i>	0.7	0.9	<a href="http://download.gnome.org/sources/gnome-web-photo/0.9/">http://download.gnome.org/sources/gnome-web-photo/0.9/</a>
<i>gnubiff</i>	2.2.10	2.2.11	<a href="http://gnubiff.sourceforge.net/">http://gnubiff.sourceforge.net/</a>
<i>gwget</i>	1.0.1	1.0.4	<a href="http://gnome.org/projects/gwget">http://gnome.org/projects/gwget</a>
<i>gwget-epiphany-extension</i>	1.0.1	1.0.4	<a href="http://gnome.org/projects/gwget">http://gnome.org/projects/gwget</a>
<i>gwibber</i>	0.9.1	1.2.0	<a href="https://launchpad.net/gwibber">https://launchpad.net/gwibber</a>

组件	老版本	新版本	上游URL
<i>gyachi</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-YMlike-theme</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-pidgy-theme</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-alsa</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-blowfish</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-gpgme</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-gtkspell</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-libnotify</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-mcrypt</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-plugin-pulseaudio</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>gyachi-recre8-theme</i>	1.1.61	1.2.1	<a href="http://gyachi.sourceforge.net">http://gyachi.sourceforge.net</a>
<i>hosts3d</i>	0.98	1.03	<a href="http://hosts3d.sourceforge.net/">http://hosts3d.sourceforge.net/</a>
<i>hosts3d-sampler</i>	0.98	1.03	<a href="http://hosts3d.sourceforge.net/">http://hosts3d.sourceforge.net/</a>
<i>httping</i>	1.2.9	1.3.1	<a href="http://www.vanheusden.com/httping/">http://www.vanheusden.com/httping/</a>
<i>ikiwiki</i>	3.09	3.14159265	<a href="http://ikiwiki.info/">http://ikiwiki.info/</a>
<i>ikiwiki-w3m</i>	3.09	3.14159265	<a href="http://ikiwiki.info/">http://ikiwiki.info/</a>
<i>iksemel-utils</i>	1.3	1.4	<a href="http://code.google.com/p/iksemel/">http://code.google.com/p/iksemel/</a>
<i>imapsync</i>	1.255	1.286	<a href="http://freshmeat.net/projects/imapsync/">http://freshmeat.net/projects/imapsync/</a>
<i>imp</i>	4.2	4.3.4	<a href="http://www.horde.org/">http://www.horde.org/</a>
<i>ipplan</i>	new	4.92	<a href="http://iptrack.sourceforge.net/">http://iptrack.sourceforge.net/</a>
<i>iptux</i>	new	0.5.0	<a href="http://code.google.com/p/iptux/">http://code.google.com/p/iptux/</a>
<i>iwak</i>	new	2.5	<a href="http://www.benhur.prf.cuni.cz/">http://www.benhur.prf.cuni.cz/</a>

组件	老版本	新版本	上游URL
			<a href="http://medved-7/wydobitki/?path=iwak">medved-7/wydobitki/?path=iwak</a>
<i>jd</i>	2.4.0	2.4.2	<a href="http://jd4linux.sourceforge.jp/">http://jd4linux.sourceforge.jp/</a>
<i>jetty</i>	5.1.14	6.1.20	<a href="http://jetty.mortbay.org/jetty/">http://jetty.mortbay.org/jetty/</a>
<i>jnettop</i>	new	0.13.0	<a href="http://jnettop.kubs.info/wiki/">http://jnettop.kubs.info/wiki/</a>
<i>kadu</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-anonymous_check</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-globalhotkeys</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-led_notify</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-mail</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-mime_tex</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-osd_hints</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-panelkadu</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-plus_pl_sms</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-powerkadu</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-senthistory</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-split_messages</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kadu-tabs</i>	0.6.5	0.6.5.2	<a href="http://www.kadu.net">http://www.kadu.net</a>
<i>kazehakase</i>	0.5.6	0.5.8	<a href="http://kazehakase.sourceforge.jp/">http://kazehakase.sourceforge.jp/</a>
<i>kazehakase-base</i>	0.5.6	0.5.8	<a href="http://kazehakase.sourceforge.jp/">http://kazehakase.sourceforge.jp/</a>
<i>kazehakase-hyperstraier</i>	0.5.6	0.5.8	<a href="http://kazehakase.sourceforge.jp/">http://kazehakase.sourceforge.jp/</a>
<i>kazehakase-ruby</i>	0.5.6	0.5.8	<a href="http://kazehakase.sourceforge.jp/">http://kazehakase.sourceforge.jp/</a>
<i>kazehakase-webkit</i>	0.5.6	0.5.8	<a href="http://kazehakase.sourceforge.jp/">http://kazehakase.sourceforge.jp/</a>
<i>kde-plasma-ktorrent</i>	new	3.2.5	<a href="http://ktorrent.org/">http://ktorrent.org/</a>
<i>kde-plasma-networkmanagement</i>	0.1	0.9	<a href="http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/">http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/</a>
<i>kdenetwork</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kismet</i>	0.0.2008.05.R1	0.0.2009.06.R1	<a href="http://www.kismetwireless.net/">http://www.kismetwireless.net/</a>



组件	老版本	新版本	上游URL
<i>kismet-plugins</i>	new	0.0.2009.06.R1	<a href="http://www.kismetwireless.net/">http://www.kismetwireless.net/</a>
<i>kmess</i>	new	2.0	<a href="http://www.kmess.org">http://www.kmess.org</a>
<i>knetstats</i>	1.6.1	1.6.2	<a href="http://knetstats.sourceforge.net/">http://knetstats.sourceforge.net/</a>
<i>knetworkmanager</i>	new	0.9	<a href="http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/">http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/</a>
<i>knetworkmanager-openvpn</i>	new	0.9	<a href="http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/">http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/</a>
<i>knetworkmanager-vpnc</i>	new	0.9	<a href="http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/">http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/</a>

表 13. 应用程序-互联网的所有更新

组件	老版本	新版本	上游URL
<i>konq-plugins</i>	4.2.2	4.3.1	<a href="http://extragear.kde.org">http://extragear.kde.org</a>
<i>konversation</i>	1.1	1.2	<a href="http://konversation.kde.org/">http://konversation.kde.org/</a>
<i>ktorrent</i>	3.2.1	3.2.5	<a href="http://ktorrent.org/">http://ktorrent.org/</a>
<i>ladvd</i>	0.6.1	0.8	<a href="http://www.blinkenlights.nl/software/ladvd/">http://www.blinkenlights.nl/software/ladvd/</a>
<i>leafnode</i>	1.11.6	1.11.7	<a href="http://www.leafnode.org">http://www.leafnode.org</a>
<i>lekhonee</i>	0.2.1	0.7	<a href="http://fedorahosted.org/lekhonee">http://fedorahosted.org/lekhonee</a>
<i>lekhonee-gnome</i>	new	0.7	<a href="http://fedorahosted.org/lekhonee">http://fedorahosted.org/lekhonee</a>
<i>lftp</i>	3.7.7	4.0.0	<a href="http://lftp.yar.ru/">http://lftp.yar.ru/</a>
<i>lftp-scripts</i>	new	4.0.0	<a href="http://lftp.yar.ru/">http://lftp.yar.ru/</a>
<i>libpurple</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>libpurple-devel</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>libpurple-perl</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>libpurple-tcl</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>liferea</i>	1.4.26	1.6.0	<a href="http://liferea.sourceforge.net/">http://liferea.sourceforge.net/</a>
<i>mantis</i>	1.1.6	1.1.8	<a href="http://www.mantisbt.org/">http://www.mantisbt.org/</a>

组件	老版本	新版本	上游URL
<i>mantis-config-httpd</i>	1.1.6	1.1.8	<a href="http://www.mantisbt.org/">http://www.mantisbt.org/</a>
<i>mausezahn</i>	new	0.34.9	<a href="http://www.perihel.at/sec/mz/">http://www.perihel.at/sec/mz/</a>
<i>mb2md</i>	new	3.20	<a href="http://batleth.sapientisat.org/projects/mb2md">http://batleth.sapientisat.org/projects/mb2md</a>
<i>mediawiki-CategoryTree</i>	new	45462	<a href="http://www.mediawiki.org/wiki/Extension:CategoryTree">http://www.mediawiki.org/wiki/Extension:CategoryTree</a>
<i>mediawiki-HTTP302Found</i>	new	1.0	<a href="http://www.mediawiki.org/wiki/Extension:HTTP302Found">http://www.mediawiki.org/wiki/Extension:HTTP302Found</a>
<i>mediawiki-InputBox</i>	new	0	<a href="http://www.mediawiki.org/wiki/Extension:InputBox">http://www.mediawiki.org/wiki/Extension:InputBox</a>
<i>mediawiki-Renameuser</i>	new	0	<a href="http://www.mediawiki.org/wiki/Extension:Renameuser">http://www.mediawiki.org/wiki/Extension:Renameuser</a>
<i>mediawiki-rss</i>	new	1.5	<a href="http://www.mediawiki.org/wiki/Extension:RSS">http://www.mediawiki.org/wiki/Extension:RSS</a>
<i>mediawiki-wikicalendar</i>	1.15	1.16	<a href="http://code.google.com/p/wikicalendar/">http://code.google.com/p/wikicalendar/</a>
<i>midori</i>	0.1.5	0.2.0	<a href="http://software.twotoasts.de/?page=midori">http://software.twotoasts.de/?page=midori</a>
<i>miredo-client</i>	new	1.1.7	<a href="http://www.simpnalempin.com/dev/miredo/">http://www.simpnalempin.com/dev/miredo/</a>
<i>miredo-libs</i>	new	1.1.7	<a href="http://www.simpnalempin.com/dev/miredo/">http://www.simpnalempin.com/dev/miredo/</a>
<i>miredo-server</i>	new	1.1.7	<a href="http://www.simpnalempin.com/dev/miredo/">http://www.simpnalempin.com/dev/miredo/</a>
<i>mirrormanager</i>	1.2.11	1.3.0	<a href="http://fedorahosted.org/mirrormanager">http://fedorahosted.org/mirrormanager</a>
<i>mirrormanager-client</i>	1.2.11	1.3.0	<a href="http://fedorahosted.org/mirrormanager">http://fedorahosted.org/mirrormanager</a>

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<i>mitter</i>	0.4.3	0.4.5	<a href="http://code.google.com/p/mitter/">http://code.google.com/p/mitter/</a>
<i>moin</i>	1.8.2	1.8.5	<a href="http://moinmo.in/">http://moinmo.in/</a>
<i>mojito</i>	new	0.21.5	<a href="http://moblin.org/projects/mojito">http://moblin.org/projects/mojito</a>
<i>monit</i>	4.10.1	5.0.3	<a href="http://www.tildeslash.com/monit">http://www.tildeslash.com/monit</a>
<i>mozilla-adblockplus</i>	new	1.1.1	<a href="http://adblockplus.org/">http://adblockplus.org/</a>
<i>mozilla-opensc-signer</i>	0.11.7	0.11.9	<a href="http://www.opensc-project.org/opensc/">http://www.opensc-project.org/opensc/</a>
<i>mozplugger</i>	1.10.1	1.12.1	<a href="http://mozplugger.mozdev.org/">http://mozplugger.mozdev.org/</a>
<i>mozvoikko</i>	0.9.7	1.0	<a href="http://voikko.sourceforge.net">http://voikko.sourceforge.net</a>
<i>mpop</i>	1.0.17	1.0.18	<a href="http://mpop.sourceforge.net/">http://mpop.sourceforge.net/</a>
<i>mr</i>	0.39	0.43	<a href="http://kitenet.net/~joey/code/mr/">http://kitenet.net/~joey/code/mr/</a>
<i>mulk</i>	new	0.4.1	<a href="http://mulk.sourceforge.net">http://mulk.sourceforge.net</a>
<i>mumble</i>	new	1.1.8	<a href="http://mumble.sourceforge.net/">http://mumble.sourceforge.net/</a>
<i>mumble-overlay</i>	new	1.1.8	<a href="http://mumble.sourceforge.net/">http://mumble.sourceforge.net/</a>
<i>mumble-protocol</i>	new	1.1.8	<a href="http://mumble.sourceforge.net/">http://mumble.sourceforge.net/</a>
<i>mutt</i>	1.5.19	1.5.20	<a href="http://www.mutt.org/">http://www.mutt.org/</a>
<i>netdisco</i>	new	0.95	<a href="http://netdisco.org/">http://netdisco.org/</a>
<i>nethogs</i>	0.7	0.7.0	<a href="http://nethogs.sourceforge.net">http://nethogs.sourceforge.net</a>
<i>network-manager-netbook</i>	new	1.3.1	<a href="http://projects.gnome.org/NetworkManager/">http://projects.gnome.org/NetworkManager/</a>
<i>nfswatch</i>	4.99.9	4.99.10	<a href="http://nfswatch.sourceforge.net">http://nfswatch.sourceforge.net</a>
<i>nntpgrab</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>nntpgrab-core</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>nntpgrab-devel</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>nntpgrab-gui</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>nntpgrab-gui-base</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>

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<i>nntpgrab-server</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>nntpgrab-server-gui</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>nntpgrab-web</i>	0.4.90	0.5.1	<a href="http://www.nntpgrab.nl">http://www.nntpgrab.nl</a>
<i>ntop</i>	3.3.9	3.3.10	<a href="http://www.ntop.org">http://www.ntop.org</a>
<i>nx</i>	3.2.0	3.3.0	<a href="http://www.nomachine.com">http://www.nomachine.com</a>
<i>nxcl</i>	new	0.9	<a href="http://freenx.berlios.de/">http://freenx.berlios.de/</a>
<i>ocsinventory</i>	1.02	1.02.1	<a href="http://www.ocsinventory-ng.org/">http://www.ocsinventory-ng.org/</a>
<i>ocsinventory-reports</i>	1.02	1.02.1	<a href="http://www.ocsinventory-ng.org/">http://www.ocsinventory-ng.org/</a>
<i>ocsinventory-server</i>	1.02	1.02.1	<a href="http://www.ocsinventory-ng.org/">http://www.ocsinventory-ng.org/</a>
<i>offlineimap</i>	6.0.3	6.1.2	<a href="http://software.complete.org/offlineimap/">http://software.complete.org/offlineimap/</a>
<i>olpc-library</i>	new	2.0.2	<a href="http://wiki.laptop.org/go/Library">http://wiki.laptop.org/go/Library</a>
<i>openconnect</i>	1.10	2.01	<a href="http://www.infradead.org/openconnect.html">http://www.infradead.org/openconnect.html</a>
<i>openldap-clients</i>	2.4.15	2.4.18	<a href="http://www.openldap.org/">http://www.openldap.org/</a>
<i>openssh-blacklist</i>	new	1.0	<a href="http://www.benhur.prf.cuni.cz/medved-7/wydobitki/?path=openssh-blacklist">http://www.benhur.prf.cuni.cz/medved-7/wydobitki/?path=openssh-blacklist</a>
<i>openssl-perl</i>	0.9.8k	1.0.0	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
<i>openvrml-mozilla-plugin</i>	0.17.12	0.18.3	<a href="http://openvrml.org">http://openvrml.org</a>
<i>openvrml-player</i>	0.17.12	0.18.3	<a href="http://openvrml.org">http://openvrml.org</a>
<i>openvrml-xembed</i>	0.17.12	0.18.3	<a href="http://openvrml.org">http://openvrml.org</a>
<i>perl-RT-Test</i>	3.8.2	3.8.4	<a href="http://www.bestpractical.com/rt">http://www.bestpractical.com/rt</a>
<i>php-layers-menu</i>	new	3.2.0	<a href="http://phplayersmenu.sourceforge.net/index.php">http://phplayersmenu.sourceforge.net/index.php</a>

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<i>phpMyAdmin</i>	3.1.5	3.2.2.1	<a href="http://www.phpmyadmin.net/">http://www.phpmyadmin.net/</a>
<i>phpldapadmin</i>	1.1.0.7	1.2.0.3	<a href="http://phpldapadmin.sourceforge.net">http://phpldapadmin.sourceforge.net</a>
<i>pidgin</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>pidgin-docs</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>pidgin-latex</i>	1.3	1.3.3	<a href="http://sourceforge.net/projects/pidgin-latex">http://sourceforge.net/projects/pidgin-latex</a>
<i>pidgin-musictracker</i>	0.4.16	0.4.20	<a href="http://code.google.com/p/pidgin-musictracker/">http://code.google.com/p/pidgin-musictracker/</a>
<i>pidgin-perl</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>pidgin-privacy-please</i>	0.5.3	0.6.0	<a href="http://code.google.com/p/pidgin-privacy-please/">http://code.google.com/p/pidgin-privacy-please/</a>
<i>pinot-deskbar</i>	0.93	0.94	<a href="http://pinot.berlios.de/">http://pinot.berlios.de/</a>
<i>podcatcher</i>	3.1.4	3.1.5	<a href="http://podcatcher.rubyforge.org/">http://podcatcher.rubyforge.org/</a>
<i>postal</i>	new	0.70	<a href="http://doc.coker.com.au/projects/postal/">http://doc.coker.com.au/projects/postal/</a>
<i>poweradmin</i>	2.1.2	2.1.3	<a href="http://www.poweradmin.org">http://www.poweradmin.org</a>
<i>powwow</i>	new	1.2.16	<a href="http://hoopajoo.net/projects/powwow.html">http://hoopajoo.net/projects/powwow.html</a>
<i>prelude-manager</i>	0.9.14.2	0.9.15	<a href="http://www.prelude-ids.org">http://www.prelude-ids.org</a>
<i>prewikka</i>	0.9.14	0.9.17.1	<a href="http://www.prelude-ids.org">http://www.prelude-ids.org</a>
<i>psi</i>	0.12.1	0.13	<a href="http://psi-im.org">http://psi-im.org</a>
<i>psi-i18n</i>	0.12.1	0.13	<a href="http://psi-im.org">http://psi-im.org</a>
<i>psi-icons</i>	0.12.1	0.13	<a href="http://psi-im.org">http://psi-im.org</a>
<i>purple-facebookchat</i>	1.50	1.61	<a href="http://code.google.com/p/pidgin-facebookchat/">http://code.google.com/p/pidgin-facebookchat/</a>
<i>purple-microblog</i>	0.2.1	0.2.4	<a href="http://code.google.com/p/microblog-purple/">http://code.google.com/p/microblog-purple/</a>
<i>purple-msn-pecan</i>	0.0.18	0.1.0	<a href="http://code.google.com/p/msn-pecan/">http://code.google.com/p/msn-pecan/</a>
<i>pyicq-t</i>	0.8.1	0.8.1.5	<a href="http://code.google.com/p/pyicqt/">http://code.google.com/p/pyicqt/</a>
<i>pyicq-t-mysql</i>	0.8.1	0.8.1.5	<a href="http://code.google.com/p/pyicqt/">http://code.google.com/p/pyicqt/</a>

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<i>pyzor</i>	0.4.0	0.5.0	<a href="http://pyzor.sourceforge.net/">http://pyzor.sourceforge.net/</a>
<i>qbittorrent</i>	1.3.3	1.5.2	<a href="http://sourceforge.net/projects/qbittorrent">http://sourceforge.net/projects/qbittorrent</a>
<i>quassel</i>	0.4.0	0.5.0	<a href="http://quassel-irc.org/">http://quassel-irc.org/</a>
<i>quassel-client</i>	0.4.0	0.5.0	<a href="http://quassel-irc.org/">http://quassel-irc.org/</a>
<i>quassel-core</i>	0.4.0	0.5.0	<a href="http://quassel-irc.org/">http://quassel-irc.org/</a>
<i>quitcount</i>	new	1.6	<a href="http://quitcount.sourceforge.net/">http://quitcount.sourceforge.net/</a>
<i>rancid</i>	new	2.3.2	<a href="http://www.shrubbery.net/rancid/">http://www.shrubbery.net/rancid/</a>
<i>ratproxy</i>	1.56	1.58	<a href="http://code.google.com/p/ratproxy/">http://code.google.com/p/ratproxy/</a>
<i>rb_libtorrent-examples</i>	0.14.2	0.14.4	<a href="http://www.rasterbar.com/products/libtorrent/">http://www.rasterbar.com/products/libtorrent/</a>
<i>ripmime</i>	new	1.4.0.9	<a href="http://www.pldaniels.com/ripmime/">http://www.pldaniels.com/ripmime/</a>
<i>rsync</i>	3.0.5	3.0.6	<a href="http://rsync.samba.org/">http://rsync.samba.org/</a>
<i>rt3</i>	3.8.2	3.8.4	<a href="http://www.bestpractical.com/rt">http://www.bestpractical.com/rt</a>
<i>rt3-mailgate</i>	3.8.2	3.8.4	<a href="http://www.bestpractical.com/rt">http://www.bestpractical.com/rt</a>
<i>rtorrent</i>	0.8.4	0.8.5	<a href="http://rtorrent.rakshasa.no/">http://rtorrent.rakshasa.no/</a>
<i>seamonkey</i>	1.1.15	2.0	<a href="http://www.mozilla.org/projects/seamonkey/">http://www.mozilla.org/projects/seamonkey/</a>
<i>sigul</i>	new	0.97	<a href="https://fedorahosted.org/sigul/">https://fedorahosted.org/sigul/</a>
<i>sing</i>	new	1.1	<a href="http://www.sourceforge.net/projects/sing/">http://www.sourceforge.net/projects/sing/</a>
<i>sipcalc</i>	new	1.1.4	<a href="http://www.routemeister.net/projects/sipcalc">http://www.routemeister.net/projects/sipcalc</a>
<i>sipwitch-snmp</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>
<i>smolt</i>	1.2	1.4	<a href="http://fedorahosted.org/smolt">http://fedorahosted.org/smolt</a>

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<i>smolt-firstboot</i>	1.2	1.4	<a href="http://fedorahosted.org/smolt">http://fedorahosted.org/smolt</a>
<i>smolt-gui</i>	1.2	1.4	<a href="http://fedorahosted.org/smolt">http://fedorahosted.org/smolt</a>
<i>smolt-server</i>	1.2	1.4	<a href="http://fedorahosted.org/smolt">http://fedorahosted.org/smolt</a>
<i>snort</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-bloat</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-mysql</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-mysql+flexresp</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-plain+flexresp</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-postgresql</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-postgresql+flexresp</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-snmp</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snort-snmp+flexresp</i>	2.8.3.2	2.8.5.1	<a href="http://www.snort.org">http://www.snort.org</a>
<i>snownews</i>	1.5.10	1.5.12	<a href="http://home.kcore.de/~kiza/software/snownews">http://home.kcore.de/~kiza/software/snownews</a>
<i>socat</i>	1.7.0.0	1.7.1.1	<a href="http://www.dest-unreach.org/socat">http://www.dest-unreach.org/socat</a>
<i>spacewalk-proxy-docs</i>	new	0.6.2	<a href="https://fedorahosted.org/spacewalk">https://fedorahosted.org/spacewalk</a>
<i>spamassassin</i>	3.2.5	3.3.0	<a href="http://spamassassin.apache.org/">http://spamassassin.apache.org/</a>
<i>squirrelmail</i>	1.4.19	1.4.20	<a href="http://www.squirrelmail.org/">http://www.squirrelmail.org/</a>
<i>stunnel</i>	4.26	4.27	<a href="http://stunnel.mirt.net/">http://stunnel.mirt.net/</a>
<i>supybot</i>	0.83.3	0.83.4.1	<a href="http://supybot.com">http://supybot.com</a>
<i>supybot-meetbot</i>	new	0.1.4	<a href="http://wiki.debian.org/MeetBot">http://wiki.debian.org/MeetBot</a>
<i>surfraw</i>	1.0.7	2.2.5	<a href="http://surfraw.alioth.debian.org/">http://surfraw.alioth.debian.org/</a>
<i>surl</i>	new	0.5.4	<a href="https://launchpad.net/surl">https://launchpad.net/surl</a>
<i>swfdec-gnome</i>	2.26.0	2.28.0	<a href="http://swfdec.freedesktop.org/">http://swfdec.freedesktop.org/</a>
<i>sylpheed</i>	2.6.0	2.7.1	<a href="http://sylpheed.sraoss.jp/">http://sylpheed.sraoss.jp/</a>
<i>tcpdump</i>	3.9.8	4.0.0	<a href="http://www.tcpdump.org">http://www.tcpdump.org</a>

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<i>tcpjunk</i>	2.649	2.7.01	<a href="http://code.google.com/p/tcpjunk/">http://code.google.com/p/tcpjunk/</a>
<i>tcpreplay</i>	3.4.1	3.4.3	<a href="http://tcpreplay.synfin.net/trac/">http://tcpreplay.synfin.net/trac/</a>
<i>tn5250</i>	0.17.3	0.17.4	<a href="http://tn5250.sourceforge.net/">http://tn5250.sourceforge.net/</a>
<i>totem-mozplugin</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>trac</i>	0.11.3	0.11.4	<a href="http://trac.edgewall.com/">http://trac.edgewall.com/</a>
<i>trac-customfieldadmin-plugin</i>	new	0.2	<a href="http://trac-hacks.org/wiki/CustomFieldAdminPlugin">http://trac-hacks.org/wiki/CustomFieldAdminPlugin</a>
<i>trac-peerreview-plugin</i>	new	0.11	<a href="http://trac-hacks.org/wiki/PeerReviewPlugin">http://trac-hacks.org/wiki/PeerReviewPlugin</a>
<i>trac-tracnav-plugin</i>	new	4.1	<a href="http://svn.ipd.uka.de/trac/javaparty/wiki/TracNav">http://svn.ipd.uka.de/trac/javaparty/wiki/TracNav</a>
<i>trac-xmlrpc-plugin</i>	1.0.0	1.0.6	<a href="http://trac-hacks.org/wiki/XMLRpcPlugin">http://trac-hacks.org/wiki/XMLRpcPlugin</a>
<i>transifex</i>	0.5.1	0.6	<a href="http://transifex.org/">http://transifex.org/</a>
<i>transifex-extras</i>	0.5.1	0.6	<a href="http://transifex.org/">http://transifex.org/</a>
<i>transmission</i>	1.53	1.76	<a href="http://www.transmissionbt.com/">http://www.transmissionbt.com/</a>
<i>trustyrc</i>	0.1.2	0.1.4	<a href="http://nicoleau.fabien.free.fr/weblog/?pages/trustyRC">http://nicoleau.fabien.free.fr/weblog/?pages/trustyRC</a>
<i>tucan</i>	new	0.3.9	<a href="http://cusl3-tucan.forja.rediris.es">http://cusl3-tucan.forja.rediris.es</a>
<i>uberftp</i>	new	2.5	<a href="http://dims.ncsa.illinois.edu/set/uberftp/">http://dims.ncsa.illinois.edu/set/uberftp/</a>
<i>uget</i>	new	1.5.0	<a href="http://urlget.sourceforge.net/">http://urlget.sourceforge.net/</a>
<i>urlwatch</i>	1.7	1.9	<a href="http://thpinfo.com/2008/urlwatch/">http://thpinfo.com/2008/urlwatch/</a>
<i>vidalia</i>	new	0.1.15	<a href="https://www.torproject.org/vidalia/">https://www.torproject.org/vidalia/</a>



组件	老版本	新版本	上游URL
<i>w3m-el</i>	1.4.4	1.4.367	<a href="http://emacs-w3m.namazu.org/">http://emacs-w3m.namazu.org/</a>
<i>w3m-el-common</i>	1.4.4	1.4.367	<a href="http://emacs-w3m.namazu.org/">http://emacs-w3m.namazu.org/</a>
<i>w3m-el-xemacs</i>	1.4.4	1.4.367	<a href="http://emacs-w3m.namazu.org/">http://emacs-w3m.namazu.org/</a>
<i>wavemon</i>	new	0.6.7	<a href="http://eden-feed.erg.abdn.ac.uk/wavemon/">http://eden-feed.erg.abdn.ac.uk/wavemon/</a>
<i>wireshark</i>	1.1.3	1.2.2	<a href="http://www.wireshark.org/">http://www.wireshark.org/</a>
<i>wireshark-gnome</i>	1.1.3	1.2.2	<a href="http://www.wireshark.org/">http://www.wireshark.org/</a>
<i>xchat-gnome</i>	0.26.0	0.26.1	<a href="http://xchat-gnome.navi.cx/">http://xchat-gnome.navi.cx/</a>
<i>xrdp</i>	new	0.5.0	<a href="http://xrdp.sourceforge.net/">http://xrdp.sourceforge.net/</a>
<i>xsp-tests</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>xulrunner</i>	1.9.1	1.9.1.4	<a href="http://developer.mozilla.org/En/XULRunner">http://developer.mozilla.org/En/XULRunner</a>
<i>xulrunner-python</i>	1.9.1	1.9.1.4	<a href="http://developer.mozilla.org/En/XULRunner">http://developer.mozilla.org/En/XULRunner</a>
<i>yaz</i>	3.0.41	3.0.49	<a href="http://www.indexdata.dk/yaz/">http://www.indexdata.dk/yaz/</a>
<i>yokadi</i>	new	0.10.0	<a href="http://yokadi.github.com/">http://yokadi.github.com/</a>
<i>zabbix</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-agent</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>

表 14. All Applications-Internet changes (cont'd)

组件	老版本	新版本	上游URL
<i>zabbix-proxy</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-proxy-mysql</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-proxy-pgsql</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-proxy-sqlite3</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-server</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-server-mysql</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>

组件	老版本	新版本	上游URL
<i>zabbix-server-pgsql</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-server-sqlite3</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-web</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-web-mysql</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-web-pgsql</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>
<i>zabbix-web-sqlite3</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>

表 15. All Applications-Internet changes (cont'd)

已更改软件包	405
未更改软件包	407
软件包总数	812

### 8.2.10. 应用程序-多媒体

组件	老版本	新版本	上游URL
<i>GraphicsMagick</i>	1.1.14	1.3.7	<a href="http://www.graphicsmagick.org/">http://www.graphicsmagick.org/</a>
<i>ImageMagick</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>ImageMagick-djvu</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>LuxRender</i>	new	0.5	<a href="http://www.luxrender.net">http://www.luxrender.net</a>
<i>LuxRender-blender</i>	new	0.5	<a href="http://www.luxrender.net">http://www.luxrender.net</a>
<i>LuxRender-core</i>	new	0.5	<a href="http://www.luxrender.net">http://www.luxrender.net</a>
<i>Miro</i>	2.0.3	2.5.2	<a href="http://www.getmiro.com/">http://www.getmiro.com/</a>
<i>OpenSceneGraph</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenSceneGraph-devel</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenSceneGraph-examples</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenSceneGraph-examples-SDL</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenSceneGraph-examples-fltk</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenSceneGraph-examples-qt</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>

组件	老版本	新版本	上游URL
<i>OpenSceneGraph-libs</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenThreads</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>OpenThreads-devel</i>	2.8.0	2.8.2	<a href="http://www.openscenegraph.org/">http://www.openscenegraph.org/</a>
<i>Panini</i>	new	0.71.103	<a href="http://sourceforge.net/projects/pvqt/">http://sourceforge.net/projects/pvqt/</a>
<i>PerceptualDiff</i>	1.0.2	1.1.1	<a href="http://pdiff.sourceforge.net">http://pdiff.sourceforge.net</a>
<i>Pixie</i>	2.2.5	2.2.6	<a href="http://www.renderpixie.com/">http://www.renderpixie.com/</a>
<i>abby</i>	new	0.4.3	<a href="http://code.google.com/p/abby/">http://code.google.com/p/abby/</a>
<i>abcMIDI</i>	20080924	20090317	<a href="http://abc.sourceforge.net/abcMIDI">http://abc.sourceforge.net/abcMIDI</a>
<i>abcde</i>	2.3.99.6	2.3.99.8	<a href="http://code.google.com/p/abcde/">http://code.google.com/p/abcde/</a>
<i>abcm2ps</i>	5.9.3	5.9.5	<a href="http://moinejf.free.fr">http://moinejf.free.fr</a>
<i>alsa-firmware</i>	1.0.19	1.0.20	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-tools</i>	1.0.19	1.0.20	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-utils</i>	1.0.20	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>amarok</i>	2.0.2	2.2.0	<a href="http://amarok.kde.org/">http://amarok.kde.org/</a>
<i>amarok-utils</i>	new	2.2.0	<a href="http://amarok.kde.org/">http://amarok.kde.org/</a>
<i>aqsis</i>	1.4.2	1.6.0	<a href="http://www.aqsis.org">http://www.aqsis.org</a>
<i>aqsis-core</i>	1.4.2	1.6.0	<a href="http://www.aqsis.org">http://www.aqsis.org</a>
<i>aqsis-data</i>	1.4.2	1.6.0	<a href="http://www.aqsis.org">http://www.aqsis.org</a>
<i>ardour</i>	2.8	2.8.2	<a href="http://ardour.org">http://ardour.org</a>
<i>audacious</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacious-plugin-fc</i>	0.3	0.4	<a href="http://xmms-fc.sourceforge.net/">http://xmms-fc.sourceforge.net/</a>
<i>audacious-plugin-xmp</i>	2.5.1	2.7.1	<a href="http://xmp.sourceforge.net/">http://xmp.sourceforge.net/</a>
<i>audacious-plugins</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>

组件	老版本	新版本	上游URL
<i>audacious-plugins-amidi</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacious-plugins-esd</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacious-plugins-jack</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacious-plugins-metronome</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacious-plugins-vortex</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacious-plugins-wavpack</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media-player.org/</a>
<i>audacity</i>	1.3.7	1.3.9	<a href="http://audacity.sourceforge.net">http://audacity.sourceforge.net</a>
<i>audex</i>	new	0.72	<a href="http://opensource.maniatek.de/audex/">http://opensource.maniatek.de/audex/</a>
<i>audio-convert-mod</i>	3.45.5b	3.46.0a	<a href="http://www.diffingo.com/oss/audio-convert-mod">http://www.diffingo.com/oss/audio-convert-mod</a>
<i>audtty</i>	new	0.1.11	<a href="http://audtty.alioth.debian.org/">http://audtty.alioth.debian.org/</a>
<i>awesfx</i>	new	0.5.1c	<a href="http://www.alsa-project.org/~iwai/awedrv.html">http://www.alsa-project.org/~iwai/awedrv.html</a>
<i>banshee</i>	1.4.3	1.5.1	<a href="http://banshee-project.org/">http://banshee-project.org/</a>
<i>banshee-mirage</i>	0.4.0	0.5.0	<a href="http://hop.at/mirage/">http://hop.at/mirage/</a>
<i>bickley</i>	new	0.4.3	<a href="http://moblin.org/projects/bickley">http://moblin.org/projects/bickley</a>
<i>blender</i>	2.48a	2.49b	<a href="http://www.blender.org">http://www.blender.org</a>
<i>blenderplayer</i>	2.48a	2.49b	<a href="http://www.blender.org">http://www.blender.org</a>
<i>bognor-regis</i>	new	0.4.10	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>brasero</i>	2.26.1	2.28.2	<a href="http://www.gnome.org/projects/brasero/">http://www.gnome.org/projects/brasero/</a>
<i>calf</i>	0.0.18.3	0.0.18.5	<a href="http://calf.sourceforge.net/">http://calf.sourceforge.net/</a>
<i>camcardsync</i>	new	0.1.1	<a href="http://blackfiveimaging.co.uk/index.php?article=02Software%2F04CamCardSync">http://blackfiveimaging.co.uk/index.php?article=02Software%2F04CamCardSync</a>

组件	老版本	新版本	上游URL
<i>cclive</i>	new	0.5.2	<a href="http://code.google.com/p/cclive/">http://code.google.com/p/cclive/</a>
<i>cd-discid</i>	0.9	1.1	<a href="http://linukz.org/cd-discid.shtml">http://linukz.org/cd-discid.shtml</a>
<i>cdrskin</i>	0.6.0	0.7.0	<a href="http://libburnia-project.org/">http://libburnia-project.org/</a>
<i>clive</i>	2.1.10	2.2.7	<a href="http://code.google.com/p/clive/">http://code.google.com/p/clive/</a>
<i>constantine-backgrounds</i>	new	12.1.0	<a href="https://fedoraproject.org/wiki/F12_Artwork">https://fedoraproject.org/wiki/F12_Artwork</a>
<i>constantine-backgrounds-extras</i>	new	12.1.0	<a href="https://fedoraproject.org/wiki/F12_Artwork">https://fedoraproject.org/wiki/F12_Artwork</a>
<i>constantine-backgrounds-kde</i>	new	12.1.0	<a href="https://fedoraproject.org/wiki/F12_Artwork">https://fedoraproject.org/wiki/F12_Artwork</a>
<i>creox</i>	new	0.2.2	<a href="http://zyzstar.kosoru.com/?creox">http://zyzstar.kosoru.com/?creox</a>
<i>csound</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-dssi</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-fltk</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-fluidsynth</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-gui</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-jack</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-osc</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-tk</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-virtual-keyboard</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>dcraw</i>	8.91	8.96	<a href="http://cybercom.net/~dcoffin/dcraw">http://cybercom.net/~dcoffin/dcraw</a>
<i>denemo</i>	0.8.2	0.8.4	<a href="http://www.denemo.org/">http://www.denemo.org/</a>
<i>denemo-music-fonts</i>	0.8.2	0.8.4	<a href="http://www.denemo.org/">http://www.denemo.org/</a>

组件	老版本	新版本	上游URL
<i>dia</i>	0.96.1	0.97	<a href="http://www.gnome.org/projects/dia/">http://www.gnome.org/projects/dia/</a>
<i>digikam</i>	0.10.0	1.0.0	<a href="http://www.digikam.org/">http://www.digikam.org/</a>
<i>dssi</i>	0.9.1	1.0.0	<a href="http://dssi.sourceforge.net/">http://dssi.sourceforge.net/</a>
<i>dssi-calf-plugins</i>	0.0.18.3	0.0.18.5	<a href="http://calf.sourceforge.net/">http://calf.sourceforge.net/</a>
<i>dssi-examples</i>	0.9.1	1.0.0	<a href="http://dssi.sourceforge.net/">http://dssi.sourceforge.net/</a>
<i>dssi-vst</i>	new	0.8	<a href="http://dssi.sourceforge.net/">http://dssi.sourceforge.net/</a>
<i>dssi-vst-wine</i>	new	0.8	<a href="http://dssi.sourceforge.net/">http://dssi.sourceforge.net/</a>
<i>easytag</i>	2.1	2.1.6	<a href="http://easytag.sourceforge.net/">http://easytag.sourceforge.net/</a>
<i>eina</i>	0.7.3	0.8.0	<a href="http://eina.sourceforge.net/">http://eina.sourceforge.net/</a>
<i>entertainer</i>	new	0.4.2	<a href="https://launchpad.net/entertainer">https://launchpad.net/entertainer</a>
<i>espeak</i>	1.39	1.40.02	<a href="http://espeak.sourceforge.net">http://espeak.sourceforge.net</a>
<i>exaile</i>	0.2.14	0.3.0.1	<a href="http://www.exaile.org">http://www.exaile.org</a>
<i>exiv2</i>	0.18.1	0.18.2	<a href="http://www.exiv2.org/">http://www.exiv2.org/</a>
<i>f-spot</i>	0.5.0.3	0.6.1.3	<a href="http://f-spot.org/">http://f-spot.org/</a>
<i>fedora-business-cards</i>	0.2.4	0.2.4.2	<a href="https://fedoraproject.org/wiki/Business_cards">https://fedoraproject.org/wiki/Business_cards</a>
<i>flam3</i>	2.7.17	2.7.18	<a href="http://www.flam3.com/">http://www.flam3.com/</a>
<i>flam3-devel</i>	2.7.17	2.7.18	<a href="http://www.flam3.com/">http://www.flam3.com/</a>
<i>fluidsynth</i>	1.0.8	1.0.9	<a href="http://www.fluidsynth.org/">http://www.fluidsynth.org/</a>
<i>fluidsynth-dssi</i>	0.9.1	1.0.0	<a href="http://dssi.sourceforge.net/download.html#FluidSynth-DSSI">http://dssi.sourceforge.net/download.html#FluidSynth-DSSI</a>
<i>fotowall</i>	0.4	0.8.1	<a href="http://www.enricoros.com/opensource/fotowall/">http://www.enricoros.com/opensource/fotowall/</a>
<i>fotoxx</i>	6.0	8.0	<a href="http://kornelix.squarespace.com/fotoxx">http://kornelix.squarespace.com/fotoxx</a>

组件	老版本	新版本	上游URL
<i>frinika</i>	new	0.5.1	<a href="http://frinika.appspot.com/">http://frinika.appspot.com/</a>
<i>gaupol</i>	0.14	0.15	<a href="http://home.gna.org/gaupol">http://home.gna.org/gaupol</a>
<i>gcdmaster</i>	1.2.2	1.2.3	<a href="http://cdrdao.sourceforge.net/">http://cdrdao.sourceforge.net/</a>
<i>gimmix</i>	0.5.2	0.5.6.1	<a href="http://gimmix.berlios.de/">http://gimmix.berlios.de/</a>
<i>gimp</i>	2.6.6	2.6.7	<a href="http://www.gimp.org/">http://www.gimp.org/</a>
<i>gimp-help-browser</i>	2.6.6	2.6.7	<a href="http://www.gimp.org/">http://www.gimp.org/</a>
<i>gimp-lqr-plugin</i>	0.4.0.4	0.6.1	<a href="http://liquidrescale.wikidot.com/">http://liquidrescale.wikidot.com/</a>
<i>gimp-resynthesizer</i>	0.15	0.16	<a href="http://logarithmic.net/pfh/resynthesizer">http://logarithmic.net/pfh/resynthesizer</a>
<i>gimpfx-foundry</i>	new	2.6.1	<a href="http://gimpfx-foundry.sourceforge.net/">http://gimpfx-foundry.sourceforge.net/</a>
<i>gle</i>	4.1.2	4.2.0	<a href="http://www.gle-graphics.org/">http://www.gle-graphics.org/</a>
<i>gmixer</i>	new	1.3	<a href="https://launchpad.net/gmixer">https://launchpad.net/gmixer</a>
<i>gmpc</i>	0.16.1	0.18.0	<a href="http://gmpcwiki.sarine.nl/">http://gmpcwiki.sarine.nl/</a>
<i>gmusicbrowser</i>	1.0.1	1.0.2	<a href="http://gmusicbrowser.sourceforge.net/">http://gmusicbrowser.sourceforge.net/</a>
<i>gnash</i>	0.8.5	0.9.0	<a href="http://www.gnu.org/software/gnash/">http://www.gnu.org/software/gnash/</a>
<i>gnash-cygnal</i>	0.8.5	0.9.0	<a href="http://www.gnu.org/software/gnash/">http://www.gnu.org/software/gnash/</a>
<i>gnash-klash</i>	0.8.5	0.9.0	<a href="http://www.gnu.org/software/gnash/">http://www.gnu.org/software/gnash/</a>
<i>gnome-backgrounds</i>	2.24.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-media</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-media-apps</i>	new	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-subtitles</i>	0.8	0.9.1	<a href="http://gnome-subtitles.sourceforge.net">http://gnome-subtitles.sourceforge.net</a>
<i>gocr</i>	0.45	0.46	<a href="http://jocr.sourceforge.net/">http://jocr.sourceforge.net/</a>
<i>gphoto2</i>	2.4.5	2.4.7	<a href="http://www.gphoto.org/">http://www.gphoto.org/</a>
<i>gpicview</i>	0.1.11	0.2.1	<a href="http://lxde.sourceforge.net/gpicview/">http://lxde.sourceforge.net/gpicview/</a>

组件	老版本	新版本	上游URL
<i>gpodder</i>	0.15.2	2.0	<a href="http://gpodder.berlios.de/">http://gpodder.berlios.de/</a>
<i>griffith</i>	new	0.10	<a href="http://www.griffith.cc">http://www.griffith.cc</a>
<i>gsm-tools</i>	1.0.12	1.0.13	<a href="http://kbs.cs.tu-berlin.de/~jutta/toast.html">http://kbs.cs.tu-berlin.de/~jutta/toast.html</a>
<i>gst-mixer</i>	2.26.0	dropped	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gstreamer</i>	0.10.22	0.10.25	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-plugins-base</i>	0.10.22	0.10.25	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-plugins-good</i>	0.10.14	0.10.16	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-plugins-schroedinger</i>	1.0.6	1.0.7	<a href="http://www.diracvideo.org/">http://www.diracvideo.org/</a>
<i>gstreamer-rtsp</i>	new	0.10.4	<a href="http://people.freedesktop.org/~wtay/">http://people.freedesktop.org/~wtay/</a>
<i>gstreamer-rtsp-python</i>	new	0.10.4	<a href="http://people.freedesktop.org/~wtay/">http://people.freedesktop.org/~wtay/</a>
<i>gstreamer-rtsp-vala</i>	new	0.10.4	<a href="http://people.freedesktop.org/~wtay/">http://people.freedesktop.org/~wtay/</a>
<i>gstreamer-tools</i>	0.10.22	0.10.25	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>guimup</i>	new	0.1.4	<a href="http://www.coonsden.com/">http://www.coonsden.com/</a>
<i>guitarix</i>	new	0.05.0	<a href="http://guitarix.sourceforge.net/">http://guitarix.sourceforge.net/</a>
<i>hexter-dssi</i>	0.6.1	0.6.2	<a href="http://dssi.sourceforge.net/hexter.html">http://dssi.sourceforge.net/hexter.html</a>
<i>hispavoces-pal-diphone</i>	new	1.0.0	<a href="http://www.cstr.ed.ac.uk/projects/festival/">http://www.cstr.ed.ac.uk/projects/festival/</a>
<i>hispavoces-sfl-diphone</i>	new	1.0.0	<a href="http://www.cstr.ed.ac.uk/projects/festival/">http://www.cstr.ed.ac.uk/projects/festival/</a>
<i>hugin</i>	0.7.0	2009.2.0	<a href="http://hugin.sourceforge.net/">http://hugin.sourceforge.net/</a>
<i>hugin-base</i>	0.7.0	2009.2.0	<a href="http://hugin.sourceforge.net/">http://hugin.sourceforge.net/</a>



组件	老版本	新版本	上游URL
<i>imgtarget</i>	new	0.1.4	<a href="http://blackfiveimaging.co.uk/index.php?article=02Software%2F02ImgTarget">http://blackfiveimaging.co.uk/index.php?article=02Software%2F02ImgTarget</a>
<i>ivtv-utils</i>	1.3.0	1.4.0	<a href="http://ivtvdriver.org/">http://ivtvdriver.org/</a>
<i>jack-audio-connection-kit-example-clients</i>	0.116.1	0.116.2	<a href="http://www.jackaudio.org">http://www.jackaudio.org</a>
<i>jack-keyboard</i>	new	2.5	<a href="http://pin.if.uz.zgora.pl/~trasz/jack-keyboard/">http://pin.if.uz.zgora.pl/~trasz/jack-keyboard/</a>
<i>jack_capture</i>	new	0.9.35	<a href="http://www.musix.org.ar/wiki/index.php/Jack_capture">http://www.musix.org.ar/wiki/index.php/Jack_capture</a>
<i>jbrou</i>	0.3.174	0.3.211	<a href="http://jbrou.python-hosting.com/wiki">http://jbrou.python-hosting.com/wiki</a>
<i>jconv</i>	new	0.8.1	<a href="http://www.kokkinizita.net/linuxaudio/">http://www.kokkinizita.net/linuxaudio/</a>
<i>jhead</i>	2.86	2.87	<a href="http://www.sentex.net/~mwandel/jhead/">http://www.sentex.net/~mwandel/jhead/</a>
<i>kaffeine</i>	0.8.7	1.0	<a href="http://kaffeine.kde.org/">http://kaffeine.kde.org/</a>
<i>kdegraphics</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdemultimedia</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kid3</i>	1.1	1.2	<a href="http://kid3.sourceforge.net/">http://kid3.sourceforge.net/</a>
<i>kipi-plugins</i>	0.2.0	0.8.0	<a href="http://www.kipi-plugins.org/">http://www.kipi-plugins.org/</a>
<i>klavaro</i>	new	1.3.4	<a href="http://klavaro.sourceforge.net/en/">http://klavaro.sourceforge.net/en/</a>
<i>kmplayer</i>	0.11.0a	0.11.1b	<a href="http://kmplayer.kde.org/">http://kmplayer.kde.org/</a>
<i>kphotoalbum</i>	3.2	4.1	<a href="http://kphotoalbum.org/">http://kphotoalbum.org/</a>
<i>kradio4</i>	new	4.0.0	<a href="http://kradio.sourceforge.net/">http://kradio.sourceforge.net/</a>
<i>ladspa-calf-plugins</i>	0.0.18.3	0.0.18.5	<a href="http://calf.sourceforge.net/">http://calf.sourceforge.net/</a>
<i>ladspa-fil-plugins</i>	0.1.0	0.3.0	<a href="http://www.kokkinizita.net/linuxaudio/">http://www.kokkinizita.net/linuxaudio/</a>
<i>lazygal</i>	new	0.4.1	<a href="http://sousmonlit.dyndns.org/~niol/playa/oss:lazygal">http://sousmonlit.dyndns.org/~niol/playa/oss:lazygal</a>

组件	老版本	新版本	上游URL
<i>libbs2b</i>	new	3.1.0	<a href="http://bs2b.sourceforge.net/">http:// bs2b.sourceforge.net/</a>
<i>libcns-utils</i>	0.6.2	0.7.0	<a href="http://icns.sourceforge.net/">http:// icns.sourceforge.net/</a>
<i>libkate-utils</i>	0.3.1	0.3.6	<a href="http://code.google.com/p/libkate/">http://code.google.com/ p/libkate/</a>
<i>libmpd</i>	0.16.1	0.18.0	<a href="http://gmpc.wikia.com/wiki/Gnome_Music_Player_Client">http://gmpc.wikia.com/ wiki/ Gnome_Music_Player_Client</a>
<i>libmtp-examples</i>	0.3.7	1.0.1	<a href="http://libmtp.sourceforge.net/">http:// libmtp.sourceforge.net/</a>
<i>libnemesi-tools</i>	0.6.4	0.6.9	<a href="http://www.lscube.org/projects/libnemesi">http://www.lscube.org/ projects/libnemesi</a>
<i>libpano13-tools</i>	2.9.12	2.9.14	<a href="http://panotools.sourceforge.net/">http:// panotools.sourceforge.net/</a>
<i>listen</i>	0.5	0.6.3	<a href="http://www.listen-project.org">http://www.listen- project.org</a>
<i>lmms</i>	0.4.3	0.4.5	<a href="http://lmms.sourceforge.net/">http:// lmms.sourceforge.net/</a>
<i>lmms-vst</i>	0.4.3	0.4.5	<a href="http://lmms.sourceforge.net/">http:// lmms.sourceforge.net/</a>
<i>lv2-calf-plugins</i>	0.0.18.3	0.0.18.5	<a href="http://calf.sourceforge.net/">http:// calf.sourceforge.net/</a>
<i>lv2-swh-plugins</i>	new	1.0.15	<a href="http://lv2plug.in/">http://lv2plug.in/</a>
<i>lv2-vocoder-plugins</i>	new	1	<a href="http://download.gna.org/lv2vocoder/">http:// download.gna.org/ lv2vocoder/</a>
<i>lv2-zynadd-plugins</i>	new	1	<a href="http://home.gna.org/zyn/">http://home.gna.org/ zyn/</a>
<i>lxmusic</i>	0.2.3	0.4.0	<a href="http://lxde.org">http://lxde.org</a>
<i>me-tv</i>	new	1.0.0	<a href="https://launchpad.net/me-tv">https://launchpad.net/ me-tv</a>
<i>meshmagick</i>	0.5.2	0.6.0	<a href="http://www.ogre3d.org/wiki/index.php/MeshMagick">http://www.ogre3d.org/ wiki/index.php/ MeshMagick</a>
<i>meterbridge</i>	new	0.9.2	<a href="http://plugin.org.uk/meterbridge/">http://plugin.org.uk/ meterbridge/</a>
<i>minicomputer</i>	new	1.3	<a href="http://minicomputer.sourceforge.net/">http:// minicomputer.sourceforge.net/</a>
<i>mkvtoolnix</i>	2.6.0	2.9.8	<a href="http://www.bunkus.org/videotools/mkvtoolnix/index.html">http://www.bunkus.org/ videotools/mkvtoolnix/ index.html</a>

组件	老版本	新版本	上游URL
<i>mkvtoolnix-gui</i>	2.6.0	2.9.8	<a href="http://www.bunkus.org/videotools/mkvtoolnix/index.html">http://www.bunkus.org/videotools/mkvtoolnix/index.html</a>
<i>mpc</i>	0.15	0.16	<a href="http://mpd.wikia.com/wiki/Client:Mpc">http://mpd.wikia.com/wiki/Client:Mpc</a>
<i>mscore</i>	0.9.4	0.9.5	<a href="http://musescore.org/en">http://musescore.org/en</a>
<i>mtpaint</i>	3.21	3.31	<a href="http://mtpaint.sourceforge.net/">http://mtpaint.sourceforge.net/</a>
<i>mtpaint-handbook</i>	3.21	3.31	<a href="http://mtpaint.sourceforge.net/">http://mtpaint.sourceforge.net/</a>
<i>muine</i>	0.8.10	0.8.11	<a href="http://www.muine-player.org/">http://www.muine-player.org/</a>
<i>ncmpc</i>	0.13	0.14	<a href="http://mpd.wikia.com/wiki/Client:Ncmpc">http://mpd.wikia.com/wiki/Client:Ncmpc</a>
<i>ncmpcpp</i>	0.3.3	0.3.5	<a href="http://unkart.ovh.org/ncmpcpp">http://unkart.ovh.org/ncmpcpp</a>
<i>nekobee-dssi</i>	new	0.1.7	<a href="http://www.nekosynth.co.uk/wiki/nekobee">http://www.nekosynth.co.uk/wiki/nekobee</a>
<i>netpbm-progs</i>	10.35.62	10.47.04	<a href="http://netpbm.sourceforge.net/">http://netpbm.sourceforge.net/</a>
<i>nip2</i>	7.16.4	7.18.2	<a href="http://www.vips.ecs.soton.ac.uk/">http://www.vips.ecs.soton.ac.uk/</a>
<i>nyquist</i>	3.02	3.03	<a href="http://www-2.cs.cmu.edu/~music/music.software.html">http://www-2.cs.cmu.edu/~music/music.software.html</a>
<i>nyxmms2</i>	new	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>
<i>ocrad</i>	0.17	0.18	<a href="http://www.gnu.org/software/ocrad/ocrad.html">http://www.gnu.org/software/ocrad/ocrad.html</a>
<i>oggvideotools</i>	0.6	0.7b	<a href="http://dev.streamnik.de/oggvideotools.html">http://dev.streamnik.de/oggvideotools.html</a>
<i>ogmtools</i>	new	1.5	<a href="http://www.bunkus.org/videotools/ogmtools/">http://www.bunkus.org/videotools/ogmtools/</a>
<i>optipng</i>	0.6.2.1	0.6.3	<a href="http://optipng.sourceforge.net/">http://optipng.sourceforge.net/</a>
<i>panoglview</i>	new	0.2.2	<a href="http://hugin.sourceforge.net/">http://hugin.sourceforge.net/</a>
<i>paprefs</i>	0.9.8	0.9.9	<a href="http://0pointer.de/lennart/projects/paprefs">http://0pointer.de/lennart/projects/paprefs</a>

组件	老版本	新版本	上游URL
<i>pavucontrol</i>	0.9.8	0.9.10	<a href="http://0pointer.de/lennart/projects/pavucontrol">http://0pointer.de/lennart/projects/pavucontrol</a>

表 16. 应用程序-多媒体的所有更新

组件	老版本	新版本	上游URL
<i>phasex</i>	0.11.1	0.12.0	<a href="http://sysex.net/phasex/">http://sysex.net/phasex/</a>
<i>photoprint</i>	new	0.4.0	<a href="http://blackfiveimaging.co.uk/index.php?article=02Software%2F01PhotoPrint">http://blackfiveimaging.co.uk/index.php?article=02Software%2F01PhotoPrint</a>
<i>photoprint-borders</i>	new	0.0.2	<a href="http://blackfiveimaging.co.uk/index.php?article=02Software%2F01PhotoPrint">http://blackfiveimaging.co.uk/index.php?article=02Software%2F01PhotoPrint</a>
<i>piano booster</i>	new	0.6.2	<a href="http://piano booster.sourceforge.net/">http://piano booster.sourceforge.net/</a>
<i>pigment</i>	0.3.16	0.3.17	<a href="https://code.fluendo.com/pigment/trac/">https://code.fluendo.com/pigment/trac/</a>
<i>pigment-python</i>	0.3.11	0.3.12	<a href="https://code.fluendo.com/pigment/trac/">https://code.fluendo.com/pigment/trac/</a>
<i>pitivi</i>	0.11.3	0.13.3	<a href="http://www.pitivi.org/">http://www.pitivi.org/</a>
<i>pocketsphinx</i>	new	0.5.1	<a href="http://www.pocketsphinx.org/">http://www.pocketsphinx.org/</a>
<i>pocketsphinx-devel</i>	new	0.5.1	<a href="http://www.pocketsphinx.org/">http://www.pocketsphinx.org/</a>
<i>pocketsphinx-libs</i>	new	0.5.1	<a href="http://www.pocketsphinx.org/">http://www.pocketsphinx.org/</a>
<i>pocketsphinx-plugin</i>	new	0.5.1	<a href="http://www.pocketsphinx.org/">http://www.pocketsphinx.org/</a>
<i>pocketsphinx-python</i>	new	0.5.1	<a href="http://www.pocketsphinx.org/">http://www.pocketsphinx.org/</a>
<i>pod sleuth</i>	0.6.3	0.6.4	<a href="http://banshee-project.org/PodSleuth">http://banshee-project.org/PodSleuth</a>
<i>pony</i>	new	0.2	<a href="http://www.fedorahosted.org/pony">http://www.fedorahosted.org/pony</a>
<i>potrace</i>	new	1.8	<a href="http://potrace.sourceforge.net">http://potrace.sourceforge.net</a>

组件	老版本	新版本	上游URL
<i>potrace-devel</i>	new	1.8	<a href="http://potrace.sourceforge.net">http:// potrace.sourceforge.net</a>
<i>psimedia</i>	new	1.0.3	<a href="http://delta.affinix.com/psimedia/">http://delta.affinix.com/ psimedia/</a>
<i>pulseaudio-gdm-hooks</i>	new	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-utils</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>python-gnash</i>	new	0.9.0	<a href="http://www.gnu.org/software/gnash/">http://www.gnu.org/ software/gnash/</a>
<i>qjackctl</i>	0.3.3	0.3.4	<a href="http://qjackctl.sourceforge.net">http:// qjackctl.sourceforge.net</a>
<i>qmmp</i>	0.2.3	0.3.0	<a href="http://qmmp.ylsoftware.com/index_en.html">http:// qmmp.ylsoftware.com/ index_en.html</a>
<i>qsynth</i>	0.3.3	0.3.4	<a href="http://qsynth.sourceforge.net">http:// qsynth.sourceforge.net</a>
<i>quodlibet</i>	1.0	2.1	<a href="http://code.google.com/p/quodlibet/">http://code.google.com/ p/quodlibet/</a>
<i>rhythmbox</i>	0.12.1	0.12.5	<a href="http://projects.gnome.org/rhythmbox/">http:// projects.gnome.org/ rhythmbox/</a>
<i>rhythmbox-lirc</i>	0.12.1	0.12.5	<a href="http://projects.gnome.org/rhythmbox/">http:// projects.gnome.org/ rhythmbox/</a>
<i>rhythmbox-upnp</i>	0.12.1	0.12.5	<a href="http://projects.gnome.org/rhythmbox/">http:// projects.gnome.org/ rhythmbox/</a>
<i>rubyripper</i>	0.5.5	0.5.7	<a href="http://code.google.com/p/rubyripper/">http://code.google.com/ p/rubyripper/</a>
<i>rubyripper-gui</i>	0.5.5	0.5.7	<a href="http://code.google.com/p/rubyripper/">http://code.google.com/ p/rubyripper/</a>
<i>rygel</i>	new	0.4.2	<a href="http://live.gnome.org/Rygel">http://live.gnome.org/ Rygel</a>
<i>rygel-tracker</i>	new	0.4.2	<a href="http://live.gnome.org/Rygel">http://live.gnome.org/ Rygel</a>
<i>sap</i>	new	0.4.4	<a href="http://www.jezra.net/projects/sap">http://www.jezra.net/ projects/sap</a>
<i>shotwell</i>	new	0.2.0	<a href="http://www.yorba.org/shotwell/">http://www.yorba.org/ shotwell/</a>
<i>shutter</i>	new	0.80.1	<a href="http://shutter-project.org">http://shutter- project.org</a>
<i>solang</i>	new	0.3	<a href="https://savannah.nongnu.org/projects/solang/">https:// savannah.nongnu.org/ projects/solang/</a>

组件	老版本	新版本	上游URL
<i>sonata</i>	1.5.2	1.6.2.1	<a href="http://sonata.berlios.de/">http://sonata.berlios.de/</a>
<i>sonic-visualiser</i>	1.5	1.6	<a href="http://www.sonicvisualiser.org/">http://www.sonicvisualiser.org/</a>
<i>sound-juicer</i>	2.26.1	2.28.0	<a href="http://www.burtonini.com/blog/computers/sound-juicer">http://www.burtonini.com/blog/computers/sound-juicer</a>
<i>taglib-extras</i>	0.1.2	1.0.1	<a href="http://websvn.kde.org/trunk/kdesupport/taglib-extras/">http://websvn.kde.org/trunk/kdesupport/taglib-extras/</a>
<i>tellico</i>	1.3.5	2.0	<a href="http://tellico-project.org/">http://tellico-project.org/</a>
<i>tgif</i>	4.1.45	4.2.1	<a href="http://bourbon.usc.edu/tgif/">http://bourbon.usc.edu/tgif/</a>
<i>themonospot</i>	0.7.1.1	0.7.3.1	<a href="http://www.integrazioneweb.com/themonospot">http://www.integrazioneweb.com/themonospot</a>
<i>theora-tools</i>	1.0	1.1.0	<a href="http://www.theora.org">http://www.theora.org</a>
<i>totem</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-jamendo</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-lirc</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-mythtv</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-nautilus</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-publish</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-upnp</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-youtube</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>ucview</i>	0.22	0.23	<a href="http://www.unicap-imaging.org/">http://www.unicap-imaging.org/</a>

组件	老版本	新版本	上游URL
<i>uniconvertor</i>	1.1.3	1.1.4	<a href="http://sk1project.org/modules.php?name=Products&amp;product=uniconv">http://sk1project.org/modules.php?name=Products&amp;product=uniconv</a>
<i>v4l2ucp</i>	1.2	1.3	<a href="http://v4l2ucp.sourceforge.net/">http://v4l2ucp.sourceforge.net/</a>
<i>vdr-epgsearch</i>	new	0.9.25	<a href="http://winni.vdr-developer.org/epgsearch/">http://winni.vdr-developer.org/epgsearch/</a>
<i>vdr-femon</i>	1.6.6	1.6.7	<a href="http://www.saunalahti.fi/~rahenbe/vdr/femon/">http://www.saunalahti.fi/~rahenbe/vdr/femon/</a>
<i>vdr-osdteletext</i>	0.8.1	0.8.3	<a href="http://projects.vdr-developer.org/projects/show/plg-osdteletext">http://projects.vdr-developer.org/projects/show/plg-osdteletext</a>
<i>vdr-skins</i>	20081124	20090901	n/a
<i>vdr-text2skin</i>	1.1	1.2	<a href="http://projects.vdr-developer.org/projects/show/plg-text2skin">http://projects.vdr-developer.org/projects/show/plg-text2skin</a>
<i>vips-tools</i>	7.16.4	7.18.2	<a href="http://www.vips.ecs.soton.ac.uk/">http://www.vips.ecs.soton.ac.uk/</a>
<i>w_scan</i>	20081106	20090808	<a href="http://wirbel.htpc-forum.de/w_scan/index2.html">http://wirbel.htpc-forum.de/w_scan/index2.html</a>
<i>wavpack</i>	4.50.1	4.60	<a href="http://www.wavpack.com/">http://www.wavpack.com/</a>
<i>whysynth-dssi</i>	20080412	20090403	<a href="http://www.smbolton.com/whysynth.html">http://www.smbolton.com/whysynth.html</a>
<i>xaos</i>	3.4	3.5	<a href="http://xaos.sourceforge.net">http://xaos.sourceforge.net</a>
<i>xfmpc</i>	0.1.0	0.2.0	<a href="http://goodies.xfce.org/projects/applications/xfmpc">http://goodies.xfce.org/projects/applications/xfmpc</a>
<i>xine-ui</i>	new	0.99.5	<a href="http://www.xine-project.org/">http://www.xine-project.org/</a>
<i>xine-ui-skins</i>	new	0.99.5	<a href="http://www.xine-project.org/">http://www.xine-project.org/</a>
<i>xmms-xmp</i>	2.5.1	2.7.1	<a href="http://xmp.sourceforge.net/">http://xmp.sourceforge.net/</a>
<i>xmms2</i>	0.5	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>
<i>xmms2-perl</i>	0.5	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>

组件	老版本	新版本	上游URL
<i>xmms2-python</i>	0.5	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>
<i>xmms2-ruby</i>	0.5	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>
<i>xmp</i>	2.5.1	2.7.1	<a href="http://xmp.sourceforge.net/">http://xmp.sourceforge.net/</a>
<i>xsane</i>	0.996	0.997	<a href="http://www.xsane.org/">http://www.xsane.org/</a>
<i>xsane-common</i>	new	0.997	<a href="http://www.xsane.org/">http://www.xsane.org/</a>
<i>xsane-gimp</i>	0.996	0.997	<a href="http://www.xsane.org/">http://www.xsane.org/</a>
<i>xsynth-dssi</i>	new	0.9.2	<a href="http://dssi.sourceforge.net/download.html#Xsynth-DSSI">http://dssi.sourceforge.net/download.html#Xsynth-DSSI</a>
<i>youtube-dl</i>	2008.01.24	2009.09.13	<a href="http://bitbucket.org/rg3/youtube-dl">http://bitbucket.org/rg3/youtube-dl</a>
<i>zynaddsubfx</i>	2.2.1	2.4.0	<a href="http://zynaddsubfx.sourceforge.net">http://zynaddsubfx.sourceforge.net</a>
<i>zynjacku</i>	new	5	<a href="http://home.gna.org/zynjacku/">http://home.gna.org/zynjacku/</a>

表 17. All Applications–Multimedia changes (cont'd)

已更改软件包	279
未更改软件包	307
软件包总数	586

### 8.2.11. 应用程序–生产力

组件	老版本	新版本	上游URL
<i>EekBoek</i>	new	1.04.04	<a href="http://www.eekboek.nl">http://www.eekboek.nl</a>
<i>EekBoek-db-postgresql</i>	new	1.04.04	<a href="http://www.eekboek.nl">http://www.eekboek.nl</a>
<i>R-BufferedMatrixMethods</i>	1.3.0	1.8.0	<a href="http://bioconductor.org/packages/release/bioc/html/BufferedMatrixMethods.html">http://bioconductor.org/packages/release/bioc/html/BufferedMatrixMethods.html</a>
<i>R-DynDoc</i>	1.20.0	1.22.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/DynDoc.html">http://bioconductor.org/packages/2.4/bioc/html/DynDoc.html</a>
<i>R-RODBC</i>	1.2	1.3.0	<a href="http://cran.r-project.org/web/packages/RODBC/">http://cran.r-project.org/web/packages/RODBC/</a>
<i>R-abind</i>	1.1	1.1.0	<a href="http://cran.r-project.org/web/packages/abind/index.html">http://cran.r-project.org/web/packages/abind/index.html</a>



组件	老版本	新版本	上游URL
<i>R-acepack</i>	1.3	1.3.2.2	<a href="http://cran.r-project.org/web/packages/acepack/index.html">http://cran.r-project.org/web/packages/acepack/index.html</a>
<i>R-biglm</i>	0.4	0.7	<a href="http://cran.r-project.org/web/packages/biglm/index.html">http://cran.r-project.org/web/packages/biglm/index.html</a>
<i>R-bigmemory</i>	2.3	3.10	<a href="http://cran.r-project.org/web/packages/bigmemory/index.html">http://cran.r-project.org/web/packages/bigmemory/index.html</a>
<i>R-maanova</i>	1.12.0	1.14.0	<a href="http://www.bioconductor.org/packages/2.4/bioc/html/maanova.html">http://www.bioconductor.org/packages/2.4/bioc/html/maanova.html</a>
<i>R-multtest</i>	1.22.0	2.0.0	<a href="http://www.bioconductor.org/packages/2.4/bioc/html/multtest.html">http://www.bioconductor.org/packages/2.4/bioc/html/multtest.html</a>
<i>R-nws</i>	1.7.0.0	2.0.0.3	<a href="http://cran.r-project.org/web/packages/nws/index.html">http://cran.r-project.org/web/packages/nws/index.html</a>
<i>R-pls</i>	2.1	2.1.0	<a href="http://cran.r-project.org/web/packages/pls/index.html">http://cran.r-project.org/web/packages/pls/index.html</a>
<i>R-tkWidgets</i>	1.20.0	1.22.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/tkWidgets.html">http://bioconductor.org/packages/2.4/bioc/html/tkWidgets.html</a>
<i>R-widgetTools</i>	1.18.0	1.22.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/widgetTools.html">http://bioconductor.org/packages/2.4/bioc/html/widgetTools.html</a>
<i>aiksaurus-thesaurus</i>	new	1.2.1	<a href="http://aiksaurus.sourceforge.net/">http://aiksaurus.sourceforge.net/</a>
<i>alexandria</i>	0.6.4.1	0.6.5	<a href="http://alexandria.rubyforge.org/">http://alexandria.rubyforge.org/</a>
<i>anjali</i>	new	0.1.0	<a href="http://live.gnome.org/Anjal/">http://live.gnome.org/Anjal/</a>
<i>barry-opensync</i>	new	0.15	<a href="http://www.netdirect.ca/downloads/barry">http://www.netdirect.ca/downloads/barry</a>
<i>bibletime</i>	1.7	2.2	<a href="http://www.bibletime.info/">http://www.bibletime.info/</a>
<i>bleachbit</i>	new	0.6.4	<a href="http://bleachbit.sourceforge.net/">http://bleachbit.sourceforge.net/</a>
<i>broffice.org-base</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>

组件	老版本	新版本	上游URL
<i>broffice.org-brand</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http:// www.openoffice.org/</a>
<i>broffice.org-calc</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http:// www.openoffice.org/</a>
<i>broffice.org-draw</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http:// www.openoffice.org/</a>
<i>broffice.org-impress</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http:// www.openoffice.org/</a>
<i>broffice.org-math</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http:// www.openoffice.org/</a>
<i>broffice.org-writer</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http:// www.openoffice.org/</a>
<i>calcurse</i>	2.4	2.7	<a href="http://culot.org/calcurse/">http://culot.org/ calcurse/</a>
<i>ccrypt</i>	new	1.9	<a href="http://ccrypt.sourceforge.net/">http:// ccrypt.sourceforge.net/</a>
<i>clusterssh</i>	3.22	3.26	<a href="http://clusterssh.sourceforge.net">http:// clusterssh.sourceforge.net</a>
<i>conduit</i>	0.3.15	0.3.16	<a href="http://www.conduit-project.org/">http://www.conduit- project.org/</a>
<i>dates</i>	0.4.6	0.4.8	<a href="http://pimlico-project.org/dates.html">http://pimlico- project.org/dates.html</a>
<i>evolution</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-bogofilter</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-exchange</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-help</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-mapi</i>	0.26.1	0.28.0	<a href="http://www.gnome.org/projects/evolution-mapi/">http://www.gnome.org/ projects/evolution- mapi/</a>
<i>evolution-perl</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-pst</i>	new	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>

组件	老版本	新版本	上游URL
<i>evolution-spamassassin</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>expendable</i>	0.0.8	0.0.9	<a href="https://fedorahosted.org/expendable/">https:// fedorahosted.org/ expendable/</a>
<i>fedora-packager</i>	0.3.3	0.3.8	<a href="https://fedorahosted.org/fedora-packager">https:// fedorahosted.org/ fedora-packager</a>
<i>gjots2</i>	2.3.8	2.3.9	<a href="http://bhepple.freeshell.org/gjots">http:// bhepple.freeshell.org/ gjots</a>
<i>gnome-do-plugins</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-banshee</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-bibtex</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-clawsml</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-eog</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-epiphany</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-evolution</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-firefox</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-flickr</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-pidgin</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-rhythmbox</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-tasque</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-thunderbird</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-tomboy</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-do-plugins-vinagre</i>	new	0.8.2	<a href="http://do.davebsd.com">http://do.davebsd.com</a>
<i>gnome-games-help</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/gnome-games/">http:// projects.gnome.org/ gnome-games/</a>

组件	老版本	新版本	上游URL
<i>gourmet</i>	0.13.4	0.15.0	<a href="http://grecipe-manager.sourceforge.net">http://grecipe-manager.sourceforge.net</a>
<i>gpscorrelate</i>	new	1.6.0	<a href="http://freefoote.dview.net/linux_gpscorr.html">http://freefoote.dview.net/linux_gpscorr.html</a>
<i>gpsdrive</i>	2.09	2.10	<a href="http://www.gpsdrive.de/index.shtml">http://www.gpsdrive.de/index.shtml</a>
<i>gramps</i>	3.1.1	3.1.2	<a href="http://gramps.sourceforge.net/">http://gramps.sourceforge.net/</a>
<i>gtg</i>	new	0.1.2	<a href="http://gtg.fritalk.com">http://gtg.fritalk.com</a>
<i>homebank</i>	4.0.2	4.0.4	<a href="http://homebank.free.fr">http://homebank.free.fr</a>
<i>homebank-doc</i>	4.0.2	4.0.4	<a href="http://homebank.free.fr">http://homebank.free.fr</a>
<i>kdepim</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepim-runtime</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kmymoney2</i>	0.9.3	1.0.1	<a href="http://kmymoney2.sourceforge.net/">http://kmymoney2.sourceforge.net/</a>
<i>krecipes</i>	0.9.1	1.0	<a href="http://krecipes.sourceforge.net/">http://krecipes.sourceforge.net/</a>
<i>libpst</i>	0.6.36	0.6.44	<a href="http://www.five-ten-sg.com/libpst/">http://www.five-ten-sg.com/libpst/</a>
<i>merkaartor</i>	0.13.1	0.14	<a href="http://www.merkaartor.org">http://www.merkaartor.org</a>
<i>monosim</i>	1.3.0.2	1.5.2	<a href="http://www.integrazioneweb.com/monosim">http://www.integrazioneweb.com/monosim</a>
<i>openoffice.org-base</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-base-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-brand</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-calc</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-calc-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-draw</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-draw-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>

组件	老版本	新版本	上游URL
<i>openoffice.org-emailmerge</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-graphicfilter</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-impres</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-impres-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-javafilter</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-af_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ar</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-as_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-bg_BG</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-bn</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ca_ES</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-cs_CZ</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-cy_GB</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-da_DK</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-de</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-dz</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-el_GR</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-en</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-es</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-et_EE</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-eu_ES</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>

组件	老版本	新版本	上游URL
<i>openoffice.org-langpack-fi_FI</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-fr</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ga_IE</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-gl_ES</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-gu_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-he_IL</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-hi_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-hr_HR</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-hu_HU</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-it</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ja_JP</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-kn_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ko_KR</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-lt_LT</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-mai_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ml_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-mr_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ms_MY</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-nb_NO</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-nl</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-nn_NO</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>

组件	老版本	新版本	上游URL
<i>openoffice.org-langpack-nr_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-nso_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-or_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-pa_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-pl_PL</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-pt_BR</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-pt_PT</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ru</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-sk_SK</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-sl_SI</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-sr</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ss_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-st_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-sv</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ta_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-te_IN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-th_TH</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-tn_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-tr_TR</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ts_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-uk</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>

组件	老版本	新版本	上游URL
<i>openoffice.org-langpack-ur</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-ve_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-xh_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-zh_CN</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-zh_TW</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-langpack-zu_ZA</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-math</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-math-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-ogltrans</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-pdfimport</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-presentation-minimizer</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-presenter-screen</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-report-builder</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-wiki-publisher</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-writer</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-writer-core</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-writer2latex</i>	0.5.0.2	1.0	<a href="http://writer2latex.sourceforge.net/">http://writer2latex.sourceforge.net/</a>
<i>openoffice.org-writer2xhtml</i>	0.5.0.2	1.0	<a href="http://writer2latex.sourceforge.net/">http://writer2latex.sourceforge.net/</a>
<i>openoffice.org-xsltfilter</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>paperbox</i>	new	0.4.3	<a href="http://live.gnome.org/PaperBox">http://live.gnome.org/PaperBox</a>
<i>pdfchain</i>	new	0.123	<a href="http://sourceforge.net/projects/pdfchain">http://sourceforge.net/projects/pdfchain</a>



组件	老版本	新版本	上游URL
<i>pdfresurrect</i>	0.04	0.7	<a href="http://www.757labs.com/projects/pdfresurrect/">http://www.757labs.com/projects/pdfresurrect/</a>
<i>pem</i>	0.7.3	0.7.7	<a href="http://pjp.dgplug.org/tools/">http://pjp.dgplug.org/tools/</a>
<i>planner</i>	0.14.3	0.14.4	<a href="http://live.gnome.org/Planner">http://live.gnome.org/Planner</a>
<i>planner-eds</i>	0.14.3	0.14.4	<a href="http://live.gnome.org/Planner">http://live.gnome.org/Planner</a>
<i>pondus</i>	new	0.5.3	<a href="http://www.ephys.de/software/pondus/">http://www.ephys.de/software/pondus/</a>
<i>qelectrotech-symbols</i>	new	0.20	<a href="http://qelectrotech.org/">http://qelectrotech.org/</a>
<i>qtpfsgui</i>	1.9.2	1.9.3	<a href="http://qtpfsgui.sourceforge.net/">http://qtpfsgui.sourceforge.net/</a>
<i>ratpoison</i>	1.4.1	1.4.5	<a href="http://www.nongnu.org/ratpoison/">http://www.nongnu.org/ratpoison/</a>
<i>rednotebook</i>	0.6.6	0.8.6.1	<a href="http://digitaldump.wordpress.com/projects/rednotebook/">http://digitaldump.wordpress.com/projects/rednotebook/</a>
<i>remind</i>	03.01.06	03.01.07	<a href="http://www.roaringpenguin.com/en/penguin/openSourceProducts/remind">http://www.roaringpenguin.com/en/penguin/openSourceProducts/remind</a>
<i>remind-gui</i>	03.01.06	03.01.07	<a href="http://www.roaringpenguin.com/en/penguin/openSourceProducts/remind">http://www.roaringpenguin.com/en/penguin/openSourceProducts/remind</a>
<i>rkward</i>	0.5.0c	0.5.1	<a href="http://rkward.sourceforge.net/">http://rkward.sourceforge.net/</a>
<i>scribus</i>	1.3.5	1.3.5.1	<a href="http://www.scribus.net/">http://www.scribus.net/</a>
<i>skanlite</i>	new	0.3	<a href="http://docs.kde.org/development/en/extragear-graphics/skanlite/">http://docs.kde.org/development/en/extragear-graphics/skanlite/</a>
<i>strigi</i>	0.6.4	0.7.0	<a href="http://www.vandenoever.info/software/strigi/">http://www.vandenoever.info/software/strigi/</a>
<i>syncevolution</i>	0.8.1a	0.9	<a href="http://syncevolution.org/">http://syncevolution.org/</a>
<i>tangogps</i>	0.9.6	0.9.9	<a href="http://www.tangogps.org/">http://www.tangogps.org/</a>

组件	老版本	新版本	上游URL
<i>task</i>	new	1.8.2	<a href="http://taskwarrior.org">http://taskwarrior.org</a>
<i>taskcoach</i>	0.72.5	0.74.1	<a href="http://www.taskcoach.org/">http://www.taskcoach.org/</a>
<i>taskjuggler</i>	2.4.1	2.4.3	<a href="http://www.taskjuggler.org">http://www.taskjuggler.org</a>
<i>tasks</i>	0.15	0.16	<a href="http://pimlico-project.org/tasks.html">http://pimlico-project.org/tasks.html</a>
<i>tryton</i>	1.0.3	1.2.2	<a href="http://www.tryton.org">http://www.tryton.org</a>
<i>veusz</i>	1.3	1.5	<a href="http://home.gna.org/veusz/">http://home.gna.org/veusz/</a>
<i>vfrnav</i>	new	0.3	<a href="http://www.baycom.org/~tom/vfrnav">http://www.baycom.org/~tom/vfrnav</a>
<i>vfrnav-utils</i>	new	0.3	<a href="http://www.baycom.org/~tom/vfrnav">http://www.baycom.org/~tom/vfrnav</a>
<i>viking</i>	0.9.8	0.9.9	<a href="http://viking.sourceforge.net/">http://viking.sourceforge.net/</a>
<i>vym</i>	1.12.2	1.12.4	<a href="http://www.insilmaril.de/vym/">http://www.insilmaril.de/vym/</a>
<i>xca</i>	0.6.4	0.7.0	<a href="http://www.hohnstaedt.de/xca.html">http://www.hohnstaedt.de/xca.html</a>
<i>ytnef</i>	new	2.6	<a href="http://sourceforge.net/projects/ytnef/">http://sourceforge.net/projects/ytnef/</a>

表 18. 应用程序-生产力的所有更新

已更改软件包	195
未更改软件包	113
软件包总数	308

### 8.2.12. 应用程序-出版

组件	老版本	新版本	上游URL
<i>asymptote</i>	1.70	1.88	<a href="http://asymptote.sourceforge.net/">http://asymptote.sourceforge.net/</a>
<i>bibtex2html</i>	new	1.94	<a href="http://www.lri.fr/~filliatr/bibtex2html/index.en.html">http://www.lri.fr/~filliatr/bibtex2html/index.en.html</a>
<i>blazeblogger</i>	new	1.0.0	<a href="http://blaze.blackened.cz/">http://blaze.blackened.cz/</a>
<i>bugzilla</i>	3.2.3	3.4.2	<a href="http://www.bugzilla.org/">http://www.bugzilla.org/</a>
<i>bugzilla-contrib</i>	3.2.3	3.4.2	<a href="http://www.bugzilla.org/">http://www.bugzilla.org/</a>
<i>bugzilla-doc-build</i>	new	3.4.2	<a href="http://www.bugzilla.org/">http://www.bugzilla.org/</a>

组件	老版本	新版本	上游URL
<i>chmsee</i>	1.0.1	1.0.7	<a href="http://code.google.com/p/chmsee">http://code.google.com/p/chmsee</a>
<i>dblatex</i>	0.2.9	0.2.10	<a href="http://dblatex.sourceforge.net/">http://dblatex.sourceforge.net/</a>
<i>dot2tex</i>	2.8.4	2.8.6	<a href="http://www.fauskes.net/code/dot2tex/">http://www.fauskes.net/code/dot2tex/</a>
<i>drupal</i>	6.12	6.14	<a href="http://www.drupal.org">http://www.drupal.org</a>
<i>drupal-date</i>	6.x.2.0	6.x.2.4	<a href="http://drupal.org/project/date">http://drupal.org/project/date</a>
<i>drupal-views</i>	6.x.2.2	6.x.2.6	<a href="http://drupal.org/project/views">http://drupal.org/project/views</a>
<i>dvisvgm</i>	new	0.8.6	<a href="http://dvisvgm.sourceforge.net">http://dvisvgm.sourceforge.net</a>
<i>evince</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/evince/">http://projects.gnome.org/evince/</a>
<i>evince-djvu</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/evince/">http://projects.gnome.org/evince/</a>
<i>evince-dvi</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/evince/">http://projects.gnome.org/evince/</a>
<i>fig2ps</i>	1.3.6	1.4.1	<a href="http://fig2ps.sourceforge.net/">http://fig2ps.sourceforge.net/</a>
<i>fontforge</i>	20090224	20090622	<a href="http://fontforge.sourceforge.net/">http://fontforge.sourceforge.net/</a>
<i>gcolor2</i>	new	0.4	<a href="http://gcolor2.sourceforge.net/">http://gcolor2.sourceforge.net/</a>
<i>ghostscript</i>	8.64	8.70	<a href="http://www.ghostscript.com/">http://www.ghostscript.com/</a>
<i>ghostscript-gtk</i>	8.64	8.70	<a href="http://www.ghostscript.com/">http://www.ghostscript.com/</a>
<i>glabels</i>	2.2.4	2.2.5	<a href="http://glabels.sf.net">http://glabels.sf.net</a>
<i>gutenprint-cups</i>	5.2.3	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp-print.sourceforge.net/</a>
<i>gutenprint-extras</i>	5.2.3	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp-print.sourceforge.net/</a>
<i>hpijs</i>	3.9.2	3.9.8	<a href="http://hplip.sourceforge.net/">http://hplip.sourceforge.net/</a>
<i>html2wiki</i>	new	0.68	<a href="http://search.cpan.org/dist/HTML-WikiConverter/">http://search.cpan.org/dist/HTML-WikiConverter/</a>

组件	老版本	新版本	上游URL
<i>kcoloredit</i>	4.2.0	4.3.1	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kiconedit</i>	4.2.0	4.3.1	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kile</i>	2.0.3	2.1	<a href="http://kile.sourceforge.net/">http://kile.sourceforge.net/</a>
<i>klatexformula</i>	new	3.0.1	<a href="http://klatexformula.sourceforge.net/">http://klatexformula.sourceforge.net/</a>
<i>latexmk</i>	4.05	4.10	<a href="http://www.phys.psu.edu/~collins/software/latexmk-jcc/">http://www.phys.psu.edu/~collins/software/latexmk-jcc/</a>
<i>linuxdoc-tools</i>	0.9.56	0.9.65	<a href="http://packages.qa.debian.org/l/linuxdoc-tools.html">http://packages.qa.debian.org/l/linuxdoc-tools.html</a>
<i>lyx</i>	1.6.2	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-cmex10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-cmmi10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-cmr10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-cmsy10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-common</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-esint10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-eufm10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-fonts-common</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-fonts-compatible</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-msam10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-msbm10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>lyx-wasy10-fonts</i>	new	1.6.4	<a href="http://www.lyx.org/">http://www.lyx.org/</a>
<i>moodle</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-af</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ar</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-be</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-bg</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-bn</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-bs</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ca</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-cs</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-cy</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-da</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-de</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-de_du</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>

组件	老版本	新版本	上游URL
<i>moodle-el</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-es</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-et</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-eu</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-fa</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-fi</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-fil</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-fr</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-fr_ca</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ga</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-gl</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-gu</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-he</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-hi</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-hr</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-hu</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-hy</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-id</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-is</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-it</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ja</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ka</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-kk</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-km</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-kn</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ko</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-lo</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-lt</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-lv</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-mi_tn</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-mi_vvow</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-mk</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ml</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-mn</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ms</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-nl</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-nn</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>

组件	老版本	新版本	上游URL
<i>moodle-no</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-no_gr</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-pl</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-pt</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-pt_br</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ro</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ru</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-si</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sk</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sl</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sm</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-so</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sq</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sr_cr</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sr_cr_bo</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sr_lt</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-sv</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ta</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-ta_lk</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-th</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-tl</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-to</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-tr</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-uk</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-uz</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-vi</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-zh_cn</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>moodle-zh_tw</i>	1.9.4	1.9.5	<a href="http://moodle.org/">http://moodle.org/</a>
<i>nted</i>	1.5.0	1.8.1	<a href="http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml">http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml</a>
<i>nted-doc</i>	1.5.0	1.8.1	<a href="http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml">http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml</a>
<i>openlayers</i>	2.7	2.8	<a href="http://www.openlayers.org/">http://www.openlayers.org/</a>
<i>pdf2djvu</i>	0.5.0	0.5.11	<a href="http://pdf2djvu.googlecode.com/">http://pdf2djvu.googlecode.com/</a>

组件	老版本	新版本	上游URL
<i>pdfedit</i>	0.4.2	0.4.3	<a href="http://sourceforge.net/projects/pdfedit/">http://sourceforge.net/projects/pdfedit/</a>
<i>pdfshuffler</i>	0.3.1	0.4.2	<a href="http://sourceforge.net/projects/pdfshuffler/">http://sourceforge.net/projects/pdfshuffler/</a>
<i>phoronix-test-suite</i>	1.8.0	1.8.1	<a href="http://phoronix-test-suite.com/">http://phoronix-test-suite.com/</a>
<i>podofu</i>	new	0.7.0	<a href="http://podofu.sourceforge.net">http://podofu.sourceforge.net</a>
<i>psutils-perl</i>	new	1.17	n/a
<i>pyliblo</i>	new	0.8.0	<a href="http://das.nasophon.de/pyliblo/">http://das.nasophon.de/pyliblo/</a>
<i>pypoppler</i>	new	0.10.1	<a href="https://launchpad.net/poppler-python">https://launchpad.net/poppler-python</a>
<i>sK1</i>	new	0.9.1	<a href="http://sk1project.org">http://sk1project.org</a>
<i>t1utils</i>	1.33	1.34	<a href="http://www.lcdf.org/~eddiwo/type/">http://www.lcdf.org/~eddiwo/type/</a>
<i>tetex-bytefield</i>	1.2a	dropped	<a href="http://www.ctan.org/tex-archive/help/Catalogue/entries/bytefield.html">http://www.ctan.org/tex-archive/help/Catalogue/entries/bytefield.html</a>
<i>tetex-elsevier</i>	0.1.20071024	0.1.20081007	<a href="http://www.elsevier.com/locate/latex">http://www.elsevier.com/locate/latex</a>
<i>tetex-perltex</i>	1.7	1.9	<a href="http://www.ctan.org/tex-archive/help/Catalogue/entries/perltex.html">http://www.ctan.org/tex-archive/help/Catalogue/entries/perltex.html</a>
<i>tetex-prosper</i>	1.5	dropped	<a href="http://www.ctan.org/tex-archive/help/Catalogue/entries/prosper.html">http://www.ctan.org/tex-archive/help/Catalogue/entries/prosper.html</a>
<i>texmaker</i>	1.8	1.9.2	<a href="http://www.xm1math.net/texmaker/">http://www.xm1math.net/texmaker/</a>
<i>wordpress</i>	2.7.1	2.8.5	<a href="http://www.wordpress.org">http://www.wordpress.org</a>
<i>wordpress-mu</i>	2.7	2.8.4a	<a href="http://mu.wordpress.org/latest.tar.gz">http://mu.wordpress.org/latest.tar.gz</a>
<i>wordpress-mu-plugin-add-to-any</i>	new	0.9.9.2.3	<a href="http://wordpress.org/extend/plugins/add-to-any/">http://wordpress.org/extend/plugins/add-to-any/</a>
<i>wordpress-mu-plugin-add-to-any-subscribe</i>	new	0.9.6.4.1	<a href="http://wordpress.org/extend/plugins/add-to-any-subscribe/">http://wordpress.org/extend/plugins/add-to-any-subscribe/</a>

组件	老版本	新版本	上游URL
<i>wordpress-mu-plugin-defaults</i>	new	1.2.3	<a href="http://wpmudev.org/project/New-Blog-Defaults">http://wpmudev.org/project/New-Blog-Defaults</a>
<i>wordpress-plugin-add-to-any</i>	new	0.9.9.2.3	<a href="http://wordpress.org/extend/plugins/add-to-any/">http://wordpress.org/extend/plugins/add-to-any/</a>
<i>wordpress-plugin-add-to-any-i18n</i>	new	0.9.9.2.3	<a href="http://wordpress.org/extend/plugins/add-to-any/">http://wordpress.org/extend/plugins/add-to-any/</a>
<i>wordpress-plugin-add-to-any-subscribe</i>	new	0.9.6.4.1	<a href="http://wordpress.org/extend/plugins/add-to-any-subscribe/">http://wordpress.org/extend/plugins/add-to-any-subscribe/</a>
<i>wordpress-plugin-add-to-any-subscribe-i18n</i>	new	0.9.6.4.1	<a href="http://wordpress.org/extend/plugins/add-to-any-subscribe/">http://wordpress.org/extend/plugins/add-to-any-subscribe/</a>
<i>xchm</i>	1.14	1.17	<a href="http://xchm.sourceforge.net/">http://xchm.sourceforge.net/</a>
<i>xgridfit</i>	1.17	1.19	<a href="http://xgridfit.sf.net/">http://xgridfit.sf.net/</a>
<i>zikula</i>	1.1.1	1.1.2	<a href="http://www.zikula.org/">http://www.zikula.org/</a>
<i>zikula-module-MultiHook</i>	new	5.0	<a href="http://code.zikula.org/multihook/">http://code.zikula.org/multihook/</a>
<i>zikula-module-News</i>	new	2.4.1	<a href="http://code.zikula.org/news">http://code.zikula.org/news</a>
<i>zikula-module-crptag</i>	new	0.1.3	<a href="http://code.zikula.org/crptag">http://code.zikula.org/crptag</a>
<i>zikula-module-feeds</i>	new	2.1	<a href="http://community.zikula.org/module-Extensions-display-ot-component-componentid-28.htm">http://community.zikula.org/module-Extensions-display-ot-component-componentid-28.htm</a>
<i>zikula-module-scribite</i>	new	3.2	<a href="http://code.zikula.org/scribite/downloads/">http://code.zikula.org/scribite/downloads/</a>

表 19. 应用程序-出版的所有更新

已更改软件包	158
未更改软件包	198
软件包总数	356

### 8.2.13. 应用程序-系统

组件	老版本	新版本	上游URL
<i>389-admin-console</i>	new	1.1.4	<a href="http://port389.org">http://port389.org</a>
<i>389-console</i>	new	1.1.3	<a href="http://port389.org">http://port389.org</a>



组件	老版本	新版本	上游URL
<i>389-ds-console</i>	new	1.2.0	<a href="http://port389.org">http://port389.org</a>
<i>FUR</i>	new	0.4.6	<a href="http://www.infis.univ.ts.it/~riccardo/FUR.html">http://www.infis.univ.ts.it/~riccardo/FUR.html</a>
<i>abrt</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>acpi</i>	0.09	1.4	<a href="http://sourceforge.net/projects/acpiclient/">http://sourceforge.net/projects/acpiclient/</a>
<i>acpitool</i>	0.5	0.5.1	<a href="http://freeunix.dyndns.org:8000/site2/acpitool.shtml">http://freeunix.dyndns.org:8000/site2/acpitool.shtml</a>
<i>afftools</i>	3.3.4	3.4.1	<a href="http://www.afflib.org">http://www.afflib.org</a>
<i>agedu</i>	new	0	<a href="http://www.chiark.greenend.org.uk/~sgtatham/agedu/">http://www.chiark.greenend.org.uk/~sgtatham/agedu/</a>
<i>aimage</i>	3.2.0	3.2.1	<a href="http://www.afflib.org">http://www.afflib.org</a>
<i>alacarte</i>	0.11.10	0.12.4	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>alsa-tools-firmware</i>	1.0.19	1.0.20	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>amavisd-new</i>	2.6.2	2.6.4	<a href="http://www.ijs.si/software/amavisd/">http://www.ijs.si/software/amavisd/</a>
<i>amavisd-new-snmp</i>	new	2.6.4	<a href="http://www.ijs.si/software/amavisd/">http://www.ijs.si/software/amavisd/</a>
<i>anaconda</i>	11.5.0.59	12.46	<a href="http://fedoraproject.org/wiki/Anaconda">http://fedoraproject.org/wiki/Anaconda</a>
<i>anyremote</i>	4.18.1	5.0	<a href="http://anyremote.sourceforge.net/">http://anyremote.sourceforge.net/</a>
<i>anyremote-data</i>	4.18.1	5.0	<a href="http://anyremote.sourceforge.net/">http://anyremote.sourceforge.net/</a>
<i>anyremote-doc</i>	4.18.1	5.0	<a href="http://anyremote.sourceforge.net/">http://anyremote.sourceforge.net/</a>
<i>anyremote2html</i>	0.9	1.0	<a href="http://anyremote.sourceforge.net/">http://anyremote.sourceforge.net/</a>
<i>apcupsd-gui</i>	3.14.5	3.14.7	<a href="http://www.apcupsd.com">http://www.apcupsd.com</a>
<i>asciidoc</i>	8.2.5	8.4.5	<a href="http://www.methods.co.nz/asciidoc/">http://www.methods.co.nz/asciidoc/</a>
<i>audit-viewer</i>	0.4	0.5.1	<a href="https://fedorahosted.org/audit-viewer/">https://fedorahosted.org/audit-viewer/</a>

组件	老版本	新版本	上游URL
<i>autoarchive</i>	new	0.1.2	<a href="http://autoarchive.sourceforge.net/">http://autoarchive.sourceforge.net/</a>
<i>beesu</i>	2.3	2.4	<a href="http://www.honeybeenet.altervista.org">http://www.honeybeenet.altervista.org</a>
<i>bios_extract</i>	new	0	<a href="http://cgit.freedesktop.org/~libv/bios_extract">http://cgit.freedesktop.org/~libv/bios_extract</a>
<i>bitmap-fonts-cjk</i>	0.3	dropped	n/a
<i>bltk</i>	1.0.8	1.0.9	<a href="http://www.lesswatts.org/projects/bltk/">http://www.lesswatts.org/projects/bltk/</a>
<i>blueman</i>	new	1.10	<a href="http://blueman-project.org/">http://blueman-project.org/</a>
<i>bluez</i>	4.37	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>bonnie++</i>	1.03c	1.03e	<a href="http://www.coker.com.au/bonnie++/">http://www.coker.com.au/bonnie++/</a>
<i>brlapi</i>	0.5.2	0.5.4	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>bug-buddy</i>	2.26.0	dropped	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>cacti</i>	0.8.7d	0.8.7e	<a href="http://www.cacti.net/">http://www.cacti.net/</a>
<i>certmaster</i>	0.24	0.25	<a href="https://fedorahosted.org/certmaster">https://fedorahosted.org/certmaster</a>
<i>cfengine</i>	2.2.8	2.2.10	<a href="http://www.cfengine.org/">http://www.cfengine.org/</a>
<i>cobbler</i>	1.6.2	2.0.0	<a href="http://fedorahosted.org/cobbler">http://fedorahosted.org/cobbler</a>
<i>collectl</i>	3.2.1	3.3.5	<a href="http://collectl.sourceforge.net">http://collectl.sourceforge.net</a>
<i>comps-extras</i>	16	17	<a href="http://git.fedorahosted.org/git/?p=comps-extras.git;a=summary">http://git.fedorahosted.org/git/?p=comps-extras.git;a=summary</a>
<i>condor</i>	7.2.1	7.2.4	<a href="http://www.cs.wisc.edu/condor/">http://www.cs.wisc.edu/condor/</a>
<i>condor-ec2-enhanced</i>	new	1.0	<a href="http://www.redhat.com/mrg">http://www.redhat.com/mrg</a>
<i>condor-ec2-enhanced-hooks</i>	new	1.0	<a href="http://www.redhat.com/mrg">http://www.redhat.com/mrg</a>
<i>condor-job-hooks</i>	new	1.0	<a href="http://www.redhat.com/mrg">http://www.redhat.com/mrg</a>

组件	老版本	新版本	上游URL
<i>condor-kbdd</i>	7.2.1	7.2.4	<a href="http://www.cs.wisc.edu/condor/">http://www.cs.wisc.edu/condor/</a>
<i>condor-low-latency</i>	new	1.0	<a href="http://www.redhat.com/mrg">http://www.redhat.com/mrg</a>
<i>congruity</i>	new	13	<a href="http://sourceforge.net/projects/congruity">http://sourceforge.net/projects/congruity</a>
<i>conman</i>	0.2.2	0.2.5	<a href="http://home.gna.org/conman/">http://home.gna.org/conman/</a>
<i>cryptsetup-luks</i>	1.0.6	1.1.0	<a href="http://cryptsetup.googlecode.com/">http://cryptsetup.googlecode.com/</a>
<i>cryptsetup-luks-libs</i>	new	1.1.0	<a href="http://cryptsetup.googlecode.com/">http://cryptsetup.googlecode.com/</a>
<i>custom-kickstarts</i>	new	0.12.0	<a href="http://fedorahosted.org/spin-kickstarts">http://fedorahosted.org/spin-kickstarts</a>
<i>cyrus-imapd-utils</i>	2.3.14	2.3.15	<a href="http://cyrusimap.web.cmu.edu/">http://cyrusimap.web.cmu.edu/</a>
<i>dirsplit</i>	new	1.1.9	<a href="http://cdrkit.org/">http://cdrkit.org/</a>
<i>drbdlinks</i>	new	1.18	<a href="http://www.tummy.com/Community/software/drbdlinks/">http://www.tummy.com/Community/software/drbdlinks/</a>
<i>dvtm</i>	new	0.5.2	<a href="http://www.brain-dump.org/projects/dvtm/">http://www.brain-dump.org/projects/dvtm/</a>
<i>em8300</i>	0.17.2	0.17.3	<a href="http://dxr3.sourceforge.net/">http://dxr3.sourceforge.net/</a>
<i>fabric</i>	0.1.1	0.9	<a href="http://www.nongnu.org/fab">http://www.nongnu.org/fab</a>
<i>fbterm</i>	1.4	1.5	<a href="http://code.google.com/p/fbterm/">http://code.google.com/p/fbterm/</a>
<i>fcoe-utils</i>	1.0.7	1.0.8	<a href="http://www.open-fcoe.org">http://www.open-fcoe.org</a>
<i>fedora-kickstarts</i>	new	0.12.0	<a href="http://fedorahosted.org/spin-kickstarts">http://fedorahosted.org/spin-kickstarts</a>
<i>filelight</i>	1.0	1.9	<a href="http://www.methylblue.com/filelight/">http://www.methylblue.com/filelight/</a>
<i>fio</i>	1.24	1.34	<a href="http://git.kernel.dk/?p=fio.git;a=summary">http://git.kernel.dk/?p=fio.git;a=summary</a>
<i>firmware-addon-dell</i>	1.4.8	2.1.2	<a href="http://linux.dell.com/libsmbios/download/">http://linux.dell.com/libsmbios/download/</a>
<i>firmware-tools</i>	1.5.6	2.1.5	<a href="http://linux.dell.com/libsmbios/download/">http://linux.dell.com/libsmbios/download/</a>

组件	老版本	新版本	上游URL
<i>firstaidkit</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-devel</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-gui</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-plugin-all</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-plugin-grub</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-plugin-key-recovery</i>	new	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-plugin-mdadm-conf</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-plugin-passwd</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>firstaidkit-plugin-xserver</i>	0.2.2	0.2.7	<a href="http://fedorahosted.org/firstaidkit">http://fedorahosted.org/firstaidkit</a>
<i>flashrom</i>	0	0.9.1	<a href="http://flashrom.org">http://flashrom.org</a>
<i>freeipmi</i>	0.7.8	0.7.12	<a href="http://www.gnu.org/software/freeipmi/">http://www.gnu.org/software/freeipmi/</a>
<i>freeipmi-bmc-watchdog</i>	0.7.8	0.7.12	<a href="http://www.gnu.org/software/freeipmi/">http://www.gnu.org/software/freeipmi/</a>
<i>freeipmi-ipmidetectd</i>	0.7.8	0.7.12	<a href="http://www.gnu.org/software/freeipmi/">http://www.gnu.org/software/freeipmi/</a>
<i>func</i>	0.24	0.25	<a href="https://fedorahosted.org/func/">https://fedorahosted.org/func/</a>
<i>fwbuilder</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>fwbuilder-cisco</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>fwbuilder-ipf</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>fwbuilder-ipfw</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>fwbuilder-ipt</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>fwbuilder-pf</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>gadmin-squid</i>	0.1.0	dropped	<a href="http://sebuka.org/gadmintools/">http://sebuka.org/gadmintools/</a>

组件	老版本	新版本	上游URL
			<a href="#">index.php?option=com_content&amp;task=view&amp;id=</a>
<i>gammu</i>	1.23.92	1.25.0	<a href="http://cihar.com/gammu/">http://cihar.com/gammu/</a>
<i>ganyremote</i>	5.8	5.10	<a href="http://anyremote.sourceforge.net/">http://anyremote.sourceforge.net/</a>
<i>gbdfed</i>	1.4	1.5	<a href="http://www.math.nmsu.edu/~mleisher/Software/gbdfed/">http://www.math.nmsu.edu/~mleisher/Software/gbdfed/</a>
<i>gcalctool</i>	5.26.1	5.28.1	<a href="http://directory.fsf.org/gcalctool.html">http://directory.fsf.org/gcalctool.html</a>
<i>gconf-cleaner</i>	0.0.2	0.0.3	<a href="http://code.google.com/p/gconf-cleaner/">http://code.google.com/p/gconf-cleaner/</a>
<i>gconf-editor</i>	2.26.0	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gipfel</i>	0.3.1	0.3.2	<a href="http://www.ecademix.com/JohannesHofmann/gipfel.html">http://www.ecademix.com/JohannesHofmann/gipfel.html</a>
<i>gkrellm-top</i>	2.2.11	2.2.13	<a href="http://gkrelltop.sourceforge.net/">http://gkrelltop.sourceforge.net/</a>
<i>gnome-applet-bubblemon</i>	new	2.0.14	<a href="http://www.nongnu.org/bubblemon/">http://www.nongnu.org/bubblemon/</a>
<i>gnome-mount</i>	0.8	dropped	n/a
<i>gnome-mount-nautilus-properties</i>	0.8	dropped	n/a
<i>gnome-packagekit</i>	2.27.2	2.28.2	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>gnome-packagekit-extra</i>	2.27.2	2.28.2	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>gnome-power-manager</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/gnome-power-manager/">http://projects.gnome.org/gnome-power-manager/</a>
<i>gnome-power-manager-extra</i>	new	2.28.1	<a href="http://projects.gnome.org/gnome-power-manager/">http://projects.gnome.org/gnome-power-manager/</a>
<i>gnome-specimen</i>	0.3	0.4	<a href="http://uwstopia.nl/geek/projects/gnome-specimen/">http://uwstopia.nl/geek/projects/gnome-specimen/</a>
<i>gnome-system-log</i>	new	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-system-monitor</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>

组件	老版本	新版本	上游URL
<i>gnome-utils</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnomint</i>	0.9.1	1.0.0	<a href="http://gnomint.sourceforge.net/">http://gnomint.sourceforge.net/</a>
<i>gnupg</i>	1.4.9	1.4.10	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
<i>gnupg2</i>	2.0.11	2.0.13	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
<i>gnutls-utils</i>	2.6.6	2.8.5	<a href="http://www.gnutls.org/">http://www.gnutls.org/</a>
<i>gpa</i>	0.7.6	0.8.0	<a href="http://gpa.wald.intevation.org/">http://gpa.wald.intevation.org/</a>
<i>gparted</i>	0.4.4	0.4.6	<a href="http://gparted.sourceforge.net">http://gparted.sourceforge.net</a>
<i>gpgme</i>	1.1.7	1.1.8	<a href="http://www.gnupg.org/related_software/gpgme/">http://www.gnupg.org/related_software/gpgme/</a>
<i>gridengine</i>	6.2u2_1	6.2u3	<a href="http://gridengine.sunsource.net/">http://gridengine.sunsource.net/</a>
<i>gspiceui</i>	0.9.65	0.9.97	<a href="http://sourceforge.net/projects/gspiceui">http://sourceforge.net/projects/gspiceui</a>
<i>gucharmap</i>	2.26.1	2.28.1	<a href="http://live.gnome.org/Gucharmap">http://live.gnome.org/Gucharmap</a>
<i>hdparm</i>	9.12	9.16	<a href="http://sourceforge.net/projects/hdparm/">http://sourceforge.net/projects/hdparm/</a>
<i>hplip-gui</i>	3.9.2	3.9.8	<a href="http://hplip.sourceforge.net/">http://hplip.sourceforge.net/</a>
<i>htop</i>	0.8.1	0.8.3	<a href="http://htop.sourceforge.net/">http://htop.sourceforge.net/</a>
<i>hwbrowser</i>	0.42	0.43	n/a
<i>im-chooser</i>	1.2.6	1.2.7	<a href="http://fedorahosted.org/im-chooser/">http://fedorahosted.org/im-chooser/</a>
<i>imsettings</i>	0.106.2	0.107.4	<a href="http://code.google.com/p/imsettings/">http://code.google.com/p/imsettings/</a>
<i>imsettings-xfce</i>	0.106.2	0.107.4	<a href="http://code.google.com/p/imsettings/">http://code.google.com/p/imsettings/</a>
<i>iok</i>	1.3.4	1.3.8	<a href="http://iok.sourceforge.net">http://iok.sourceforge.net</a>
<i>iotop</i>	0.2.1	0.3	<a href="http://guichaz.free.fr/iotop/">http://guichaz.free.fr/iotop/</a>
<i>iproute-doc</i>	new	2.6.29	<a href="http://linux-net.osdl.org/index.php/lproute2">http://linux-net.osdl.org/index.php/lproute2</a>
<i>kanyremote</i>	5.8.2	5.10	<a href="http://anyremote.sourceforge.net/">http://anyremote.sourceforge.net/</a>
<i>kdeadmin-kpackage</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>

组件	老版本	新版本	上游URL
<i>kdeutils</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kdeutils-printer-applet</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>keychecker</i>	new	0.2	<a href="https://fedorahosted.org/keychecker">https://fedorahosted.org/keychecker</a>
<i>koan</i>	1.6.1	1.6.6	<a href="http://fedorahosted.org/cobbler/">http://fedorahosted.org/cobbler/</a>
<i>kpackagekit</i>	0.4.0	0.5.0.3	<a href="http://www.kde-apps.org/content/show.php/KPackageKit?content=84745">http://www.kde-apps.org/content/show.php/KPackageKit?content=84745</a>
<i>kudzu</i>	1.2.85	1.2.86	<a href="http://fedorahosted.org/releases/k/u/kudzu/">http://fedorahosted.org/releases/k/u/kudzu/</a>
<i>l10n-kickstarts</i>	new	0.12.0	<a href="http://fedorahosted.org/spin-kickstarts">http://fedorahosted.org/spin-kickstarts</a>
<i>latencytop</i>	0.4	0.5	<a href="http://www.latencytop.org/">http://www.latencytop.org/</a>
<i>lesstif-clients</i>	0.95.0	0.95.2	<a href="http://www.lesstif.org/">http://www.lesstif.org/</a>
<i>libdc1394-tools</i>	2.1.0	2.1.2	<a href="http://sourceforge.net/projects/libdc1394/">http://sourceforge.net/projects/libdc1394/</a>
<i>libhugetlbfs-utils</i>	2.2	2.6	<a href="http://libhugetlbfs.sourceforge.net/">http://libhugetlbfs.sourceforge.net/</a>
<i>libsmbclient</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>libvirt-qpidd</i>	0.2.12	0.2.17	<a href="http://libvirt.org/qpidd">http://libvirt.org/qpidd</a>
<i>limph</i>	1.9.5	1.9.6	<a href="http://doc.jcomserv.net/index.php/Limph">http://doc.jcomserv.net/index.php/Limph</a>
<i>limph-common</i>	1.9.5	1.9.6	<a href="http://doc.jcomserv.net/index.php/Limph">http://doc.jcomserv.net/index.php/Limph</a>
<i>limph-hostagent</i>	1.9.5	1.9.6	<a href="http://doc.jcomserv.net/index.php/Limph">http://doc.jcomserv.net/index.php/Limph</a>
<i>liveusb-creator</i>	3.6.5	3.7.3	<a href="https://fedorahosted.org/liveusb-creator">https://fedorahosted.org/liveusb-creator</a>
<i>lm_sensors</i>	3.1.0	3.1.1	<a href="http://www.lm-sensors.org/">http://www.lm-sensors.org/</a>
<i>lxc</i>	new	0.6.3	<a href="http://lxc.sourceforge.net">http://lxc.sourceforge.net</a>
<i>mach</i>	0.9.4	0.9.5	<a href="http://thomas.apestaart.org/projects/mach/">http://thomas.apestaart.org/projects/mach/</a>

组件	老版本	新版本	上游URL
<i>matahari</i>	new	0.0.4	<a href="http://arjunroy.fedorapeople.org/matahari/index.html">http://arjunroy.fedorapeople.org/matahari/index.html</a>
<i>medusa</i>	new	1.5	<a href="http://www.foofus.net/jmk/medusa/medusa.html">http://www.foofus.net/jmk/medusa/medusa.html</a>
<i>mlocate</i>	0.22	0.22.2	<a href="https://fedorahosted.org/mlocate/">https://fedorahosted.org/mlocate/</a>
<i>moreutils</i>	0.34	0.36	<a href="http://kitenet.net/~joey/code/moreutils/">http://kitenet.net/~joey/code/moreutils/</a>
<i>mtools</i>	4.0.10	4.0.11	<a href="http://mtools.linux.lu/">http://mtools.linux.lu/</a>
<i>munge</i>	new	0.5.8	<a href="http://home.gna.org/munge/">http://home.gna.org/munge/</a>
<i>munge-devel</i>	new	0.5.8	<a href="http://home.gna.org/munge/">http://home.gna.org/munge/</a>
<i>nagios</i>	3.0.6	3.2.0	<a href="http://www.nagios.org/">http://www.nagios.org/</a>
<i>nagios-devel</i>	3.0.6	3.2.0	<a href="http://www.nagios.org/">http://www.nagios.org/</a>
<i>nbd</i>	2.9.10	2.9.13	<a href="http://nbd.sourceforge.net/">http://nbd.sourceforge.net/</a>
<i>ndoutils</i>	new	1.4	<a href="http://www.nagios.org/download/addons/">http://www.nagios.org/download/addons/</a>
<i>ndoutils-mysql</i>	new	1.4	<a href="http://www.nagios.org/download/addons/">http://www.nagios.org/download/addons/</a>
<i>nmap</i>	4.76	5.00	<a href="http://nmap.org/">http://nmap.org/</a>
<i>nmap-frontend</i>	4.76	5.00	<a href="http://nmap.org/">http://nmap.org/</a>

表 20. 应用程序-系统的所有更新

组件	老版本	新版本	上游URL
<i>ntp-perl</i>	4.2.4p6	4.2.4p7	<a href="http://www.ntp.org">http://www.ntp.org</a>
<i>ntpdate</i>	4.2.4p6	4.2.4p7	<a href="http://www.ntp.org">http://www.ntp.org</a>
<i>ophcrack</i>	new	3.3.0	<a href="http://ophcrack.sourceforge.net">http://ophcrack.sourceforge.net</a>
<i>oscilloscope</i>	new	0.9.1	<a href="http://userweb.kernel.org/~acme/tuna/">http://userweb.kernel.org/~acme/tuna/</a>
<i>ovaldi</i>	5.5.4	5.5.25	<a href="http://oval.mitre.org/language/download/interpreter/index.html">http://oval.mitre.org/language/download/interpreter/index.html</a>
<i>ovirt-server</i>	new	0.100	<a href="http://ovirt.org/">http://ovirt.org/</a>
<i>ovirt-server-installer</i>	new	0.100	<a href="http://ovirt.org/">http://ovirt.org/</a>



组件	老版本	新版本	上游URL
<i>parted</i>	1.8.8	1.9.0	<a href="http://www.gnu.org/software/parted">http://www.gnu.org/software/parted</a>
<i>pciutils</i>	3.1.2	3.1.4	<a href="http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml">http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml</a>
<i>pessulus</i>	2.23.1	2.27.92	<a href="http://live.gnome.org/Pessulus">http://live.gnome.org/Pessulus</a>
<i>pgp-tools</i>	1.0	1.1	<a href="http://pgp-tools.alioth.debian.org/">http://pgp-tools.alioth.debian.org/</a>
<i>pinentry</i>	0.7.4	0.7.6	<a href="http://www.gnupg.org/aegypten/">http://www.gnupg.org/aegypten/</a>
<i>pinentry-gtk</i>	0.7.4	0.7.6	<a href="http://www.gnupg.org/aegypten/">http://www.gnupg.org/aegypten/</a>
<i>pinentry-qt</i>	0.7.4	0.7.6	<a href="http://www.gnupg.org/aegypten/">http://www.gnupg.org/aegypten/</a>
<i>pipestat</i>	new	0.3.0	<a href="http://code.google.com/p/pipestat/">http://code.google.com/p/pipestat/</a>
<i>plymouth-gdm-hooks</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-scripts</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-utils</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>pnputils</i>	0.4.12	0.4.14	<a href="http://www.pnp4nagios.org/">http://www.pnp4nagios.org/</a>
<i>polkit-gnome</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>postfix-perl-scripts</i>	2.5.6	2.6.5	<a href="http://www.postfix.org">http://www.postfix.org</a>
<i>powerman</i>	2.3.4	2.3.5	<a href="http://sourceforge.net/projects/powerman">http://sourceforge.net/projects/powerman</a>
<i>powerman-devel</i>	2.3.4	2.3.5	<a href="http://sourceforge.net/projects/powerman">http://sourceforge.net/projects/powerman</a>
<i>preload</i>	0.6.3	0.6.4	<a href="http://preload.sf.net/">http://preload.sf.net/</a>
<i>procinfo-ng</i>	2.0.217	2.0.304	<a href="http://sourceforge.net/projects/procinfo-ng/">http://sourceforge.net/projects/procinfo-ng/</a>
<i>procps</i>	3.2.7	3.2.8	<a href="http://procps.sourceforge.net">http://procps.sourceforge.net</a>
<i>pyjigdo</i>	0.3.0	0.4.0.1	<a href="http://fedorahosted.org/pyjigdo">http://fedorahosted.org/pyjigdo</a>

组件	老版本	新版本	上游URL
<i>python-condor-ec2-enhanced-hooks-common</i>	new	1.0	<a href="http://www.redhat.com/mrg">http://www.redhat.com/mrg</a>
<i>python-condor-job-hooks-common</i>	new	1.0	<a href="http://www.redhat.com/mrg">http://www.redhat.com/mrg</a>
<i>python-libs</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>
<i>rcssserver</i>	13.2.0	13.2.2	<a href="http://sourceforge.net/projects/ssserver/">http://sourceforge.net/projects/ssserver/</a>
<i>rcssserver-gui</i>	13.2.0	13.2.2	<a href="http://sourceforge.net/projects/ssserver/">http://sourceforge.net/projects/ssserver/</a>
<i>referencer</i>	1.1.5	1.1.6	<a href="http://icculus.org/referencer">http://icculus.org/referencer</a>
<i>revisor</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-cli</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-cobbler</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-comps</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-gui</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-isolinux</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-mock</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-reuseinstaller</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>revisor-unity</i>	2.1.4	2.1.8	<a href="http://fedorahosted.org/revisor">http://fedorahosted.org/revisor</a>
<i>roundcubemail</i>	0.2.1	0.3	<a href="http://www.roundcube.net">http://www.roundcube.net</a>
<i>rpmconf</i>	new	0.1.8	<a href="http://wiki.github.com/xsuchy/rpmconf">http://wiki.github.com/xsuchy/rpmconf</a>
<i>sabayon</i>	2.25.0	2.28.1	<a href="http://www.gnome.org/projects/sabayon">http://www.gnome.org/projects/sabayon</a>
<i>sabayon-apply</i>	2.25.0	2.28.1	<a href="http://www.gnome.org/projects/sabayon">http://www.gnome.org/projects/sabayon</a>
<i>safecopy</i>	new	1.4	<a href="http://safecopy.sourceforge.net/">http://safecopy.sourceforge.net/</a>
<i>samba-client</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>samba-common</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>

组件	老版本	新版本	上游URL
<i>samba-domainjoin-gui</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>samba-swat</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>samba-winbind</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>sblim-cmpi-base</i>	1.5.7	1.5.9	<a href="http://sblim.wiki.sourceforge.net/">http://sblim.wiki.sourceforge.net/</a>
<i>sblim-cmpi-base-test</i>	1.5.7	1.5.9	<a href="http://sblim.wiki.sourceforge.net/">http://sblim.wiki.sourceforge.net/</a>
<i>sdparm</i>	1.03	1.04	<a href="http://sg.danny.cz/sg/sdparm.html">http://sg.danny.cz/sg/sdparm.html</a>
<i>sectool</i>	0.9.1	0.9.4	<a href="https://hosted.fedoraproject.org/sectool/wiki/WikiStart">https://hosted.fedoraproject.org/sectool/wiki/WikiStart</a>
<i>sectool-gui</i>	0.9.1	0.9.4	<a href="https://hosted.fedoraproject.org/sectool/wiki/WikiStart">https://hosted.fedoraproject.org/sectool/wiki/WikiStart</a>
<i>ser2net</i>	2.5	2.6	<a href="http://ser2net.sourceforge.net/">http://ser2net.sourceforge.net/</a>
<i>setroubleshoot</i>	2.1.8	2.2.42	<a href="https://fedorahosted.org/setroubleshoot">https://fedorahosted.org/setroubleshoot</a>
<i>setroubleshoot-plugins</i>	2.0.16	2.1.29	<a href="https://fedorahosted.org/setroubleshoot">https://fedorahosted.org/setroubleshoot</a>
<i>setroubleshoot-server</i>	2.1.8	2.2.42	<a href="https://fedorahosted.org/setroubleshoot">https://fedorahosted.org/setroubleshoot</a>
<i>setuptools</i>	1.19.5	1.19.9	<a href="http://git.fedorahosted.org/git/?p=setuptools.git">http://git.fedorahosted.org/git/?p=setuptools.git</a>
<i>sg3_utils</i>	1.26	1.27	<a href="http://sg.danny.cz/sg/sg3_utils.html">http://sg.danny.cz/sg/sg3_utils.html</a>
<i>shcov</i>	4	5	<a href="http://code.google.com/p/shcov/">http://code.google.com/p/shcov/</a>
<i>shorewall</i>	4.2.7	4.4.1	<a href="http://www.shorewall.net/">http://www.shorewall.net/</a>
<i>shorewall-lite</i>	4.2.7	4.4.1	<a href="http://www.shorewall.net/">http://www.shorewall.net/</a>
<i>shorewall6</i>	4.2.7	4.4.1	<a href="http://www.shorewall.net/">http://www.shorewall.net/</a>
<i>shorewall6-lite</i>	4.2.7	4.4.1	<a href="http://www.shorewall.net/">http://www.shorewall.net/</a>
<i>smem</i>	new	0.1	<a href="http://www.selenic.com/smem/">http://www.selenic.com/smem/</a>

组件	老版本	新版本	上游URL
<i>spawn</i>	new	0.1	<a href="http://code.google.com/p/spawntool/">http://code.google.com/p/spawntool/</a>
<i>spin-kickstarts</i>	0.11.3	0.12.0	<a href="http://fedorahosted.org/spin-kickstarts">http://fedorahosted.org/spin-kickstarts</a>
<i>srm</i>	1.2.9	1.2.10	<a href="http://srm.sourceforge.net/">http://srm.sourceforge.net/</a>
<i>sssd</i>	0.3.2	0.7.1	<a href="http://fedorahosted.org/sssd">http://fedorahosted.org/sssd</a>
<i>subtitlecomposer</i>	0.5.2	0.5.3	<a href="http://kde-apps.org/content/show.php/Subtitle+Composer?content=69822">http://kde-apps.org/content/show.php/Subtitle+Composer?content=69822</a>
<i>sudo</i>	1.6.9p17	1.7.1	<a href="http://www.courtesan.com/sudo/">http://www.courtesan.com/sudo/</a>
<i>sys_basher</i>	new	1.1.23	<a href="http://www.polybus.com/sys_basher_web/">http://www.polybus.com/sys_basher_web/</a>
<i>sysstat</i>	8.0.4	9.0.4	<a href="http://perso.orange.fr/sebastien.godard/">http://perso.orange.fr/sebastien.godard/</a>
<i>system-config-audit</i>	0.4.8	0.4.13	<a href="https://fedorahosted.org/system-config-audit/">https://fedorahosted.org/system-config-audit/</a>
<i>system-config-bind</i>	4.0.12	4.0.15	<a href="http://fedorahosted.org/system-config-bind">http://fedorahosted.org/system-config-bind</a>
<i>system-config-boot</i>	0.3.0	0.4.1	<a href="http://fedoraproject.org/wiki/SystemConfig/boot">http://fedoraproject.org/wiki/SystemConfig/boot</a>
<i>system-config-httpd</i>	1.4.4	1.4.6	<a href="http://www.redhat.com/">http://www.redhat.com/</a>
<i>system-config-lvm</i>	1.1.4	1.1.10	<a href="http://www.redhat.com/">http://www.redhat.com/</a>
<i>system-config-network</i>	1.5.97	1.5.99	<a href="http://fedoraproject.org/wiki/SystemConfig/network">http://fedoraproject.org/wiki/SystemConfig/network</a>
<i>system-config-network-tui</i>	1.5.97	1.5.99	<a href="http://fedoraproject.org/wiki/SystemConfig/network">http://fedoraproject.org/wiki/SystemConfig/network</a>
<i>system-config-services</i>	0.99.33	0.99.41	<a href="http://fedorahosted.org/system-config-services">http://fedorahosted.org/system-config-services</a>
<i>system-config-users</i>	1.2.86	1.2.94	<a href="http://fedorahosted.org/system-config-users">http://fedorahosted.org/system-config-users</a>
<i>system-switch-java</i>	1.1.4	1.1.5	<a href="https://fedorahosted.org/system-switch-java">https://fedorahosted.org/system-switch-java</a>
<i>system-switch-mail</i>	0.5.26	1.0	n/a

组件	老版本	新版本	上游URL
<i>system-switch-mail-gnome</i>	0.5.26	1.0	n/a
<i>testdisk</i>	6.10	6.11	<a href="http://www.cgsecurity.org/wiki/TestDisk">http://www.cgsecurity.org/wiki/TestDisk</a>
<i>tpm-tools</i>	1.3.1	1.3.3	<a href="http://trousers.sourceforge.net">http://trousers.sourceforge.net</a>
<i>tpm-tools-pkcs11</i>	new	1.3.3	<a href="http://trousers.sourceforge.net">http://trousers.sourceforge.net</a>
<i>tracker</i>	0.6.94	0.6.95	<a href="http://projects.gnome.org/tracker/">http://projects.gnome.org/tracker/</a>
<i>tuna</i>	new	0.9.1	<a href="http://userweb.kernel.org/~acme/tuna/">http://userweb.kernel.org/~acme/tuna/</a>
<i>tuned-utils</i>	0.1.5	0.2.5	<a href="https://fedorahosted.org/tuned/">https://fedorahosted.org/tuned/</a>
<i>unbound-libs</i>	1.2.1	1.3.4	<a href="http://www.nlnetlabs.nl/unbound/">http://www.nlnetlabs.nl/unbound/</a>
<i>usb_modeswitch</i>	0.9.6	1.0.5	<a href="http://www.draisberghof.de/usb_modeswitch/">http://www.draisberghof.de/usb_modeswitch/</a>
<i>usbmuxd</i>	new	0.1.4	<a href="http://cgit.pims.selfip.net/usbmuxd/">http://cgit.pims.selfip.net/usbmuxd/</a>
<i>usbutils</i>	0.73	0.86	<a href="http://www.linux-usb.org/">http://www.linux-usb.org/</a>
<i>usermode</i>	1.100	1.102	<a href="https://fedorahosted.org/usermode/">https://fedorahosted.org/usermode/</a>
<i>usermode-gtk</i>	1.100	1.102	<a href="https://fedorahosted.org/usermode/">https://fedorahosted.org/usermode/</a>
<i>util-vserver-build</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>
<i>util-vserver-core</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>
<i>util-vserver-legacy</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>

组件	老版本	新版本	上游URL
<i>vacation</i>	new	1.2.7.0	<a href="http://sourceforge.net/projects/vacation/">http://sourceforge.net/projects/vacation/</a>
<i>vinagre</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/vinagre/">http://projects.gnome.org/vinagre/</a>
<i>virt-viewer</i>	0.0.3	0.2.0	<a href="http://virt-manager.org/">http://virt-manager.org/</a>
<i>volume_key</i>	new	0.3	<a href="https://fedorahosted.org/volume_key/">https://fedorahosted.org/volume_key/</a>
<i>websvn</i>	new	2.2.1	<a href="http://www.websvn.info">http://www.websvn.info</a>
<i>xmlto</i>	0.0.22	0.0.23	<a href="https://fedorahosted.org/xmlto/">https://fedorahosted.org/xmlto/</a>
<i>xmlto-tex</i>	0.0.22	0.0.23	<a href="https://fedorahosted.org/xmlto/">https://fedorahosted.org/xmlto/</a>
<i>xmlto-xhtml</i>	0.0.22	0.0.23	<a href="https://fedorahosted.org/xmlto/">https://fedorahosted.org/xmlto/</a>
<i>yelp</i>	2.26.0	2.28.0	<a href="http://live.gnome.org/Yelp">http://live.gnome.org/Yelp</a>
<i>ykclient</i>	new	2.3	<a href="http://yubico-c-client.googlecode.com/">http://yubico-c-client.googlecode.com/</a>
<i>yumex</i>	2.0.5	2.9.3	<a href="http://www.yum-extender.org">http://www.yum-extender.org</a>
<i>zenity</i>	2.26.0	2.28.0	<a href="http://directory.fsf.org/zenity.html">http://directory.fsf.org/zenity.html</a>
<i>zyx-liveinstaller</i>	new	0.1.16	<a href="http://www.filteredperception.org/smiley/projects/zyx-liveinstaller">http://www.filteredperception.org/smiley/projects/zyx-liveinstaller</a>

表 21. All Applications-System changes (cont'd)

已更改软件包	275
未更改软件包	389
软件包总数	664

### 8.2.14. 应用程序-文档

组件	老版本	新版本	上游URL
<i>AGReader</i>	new	1.2	<a href="http://main.aminet.net/misc/unix/">http://main.aminet.net/misc/unix/</a>
<i>acheck</i>	new	0.5.1	<a href="http://packages.debian.org/etch/acheck">http://packages.debian.org/etch/acheck</a>

组件	老版本	新版本	上游URL
<i>acheck-rules</i>	new	0.3.1	<a href="http://packages.debian.org/etch/acheck-rules">http://packages.debian.org/etch/acheck-rules</a>
<i>agrep</i>	0.7.5	0.7.6	<a href="http://laurikari.net/tre/">http://laurikari.net/tre/</a>
<i>autocorr-af</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-bg</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-cs</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-da</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-de</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-en</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-es</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-eu</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-fa</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-fi</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-fr</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-hu</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-it</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-ja</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-ko</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-lb</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-mn</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-nl</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-pl</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>

组件	老版本	新版本	上游URL
<i>autocorr-pt</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-ru</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-sk</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-sl</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-sv</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-tr</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-vi</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>autocorr-zh</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>ccze</i>	new	0.2.1	<a href="http://bonehunter.rulez.org/CCZE.html">http://bonehunter.rulez.org/CCZE.html</a>
<i>colordiff</i>	1.0.8a	1.0.9	<a href="http://colordiff.sourceforge.net/">http://colordiff.sourceforge.net/</a>
<i>docbook-style-xsl</i>	1.74.3	1.75.2	<a href="http://docbook.sourceforge.net/projects/xsl/">http://docbook.sourceforge.net/projects/xsl/</a>
<i>docbook5-style-xsl</i>	1.74.3	1.75.2	<a href="http://docbook.sourceforge.net/projects/xsl/">http://docbook.sourceforge.net/projects/xsl/</a>
<i>ebview</i>	0.3.6	0.3.6.2	<a href="http://packages.qa.debian.org/e/ebview.html">http://packages.qa.debian.org/e/ebview.html</a>
<i>enca</i>	1.9	1.10	<a href="http://gitorious.org/enca">http://gitorious.org/enca</a>
<i>gawk</i>	3.1.6	3.1.7	<a href="http://www.gnu.org/software/gawk/gawk.html">http://www.gnu.org/software/gawk/gawk.html</a>
<i>grepmail</i>	5.3033	5.3034	<a href="http://search.cpan.org/dist/grepmail/">http://search.cpan.org/dist/grepmail/</a>
<i>hunspell-ak</i>	new	0.3	<a href="http://kasahorow.org/content/akan-ns\u0304mfuaasekyer\u0304">http://kasahorow.org/content/akan-ns\u0304mfuaasekyer\u0304</a>
<i>hunspell-am</i>	new	0.20090704	<a href="http://www.cs.ru.nl/~biniam/geez/index.php">http://www.cs.ru.nl/~biniam/geez/index.php</a>



组件	老版本	新版本	上游URL
<i>hunspell-as</i>	new	1.0.3	<a href="http://extensions.services.openoffice.org/project/AssameseDict">http://extensions.services.openoffice.org/project/AssameseDict</a>
<i>hunspell-be</i>	0.1	1.1	<a href="http://extensions.services.openoffice.org/project/dict-be-official">http://extensions.services.openoffice.org/project/dict-be-official</a>
<i>hunspell-br</i>	0.20030417	0.2	<a href="http://www.drouizig.org/">http://www.drouizig.org/</a>
<i>hunspell-ca</i>	0.20090311	0.20090630	<a href="http://www.softcatala.org/wiki/Projectes/Corrector_ortogràfic">http://www.softcatala.org/wiki/Projectes/Corrector_ortogràfic</a>
<i>hunspell-cv</i>	new	1.01	<a href="http://hunspell.chv.su/download.shtml">http://hunspell.chv.su/download.shtml</a>
<i>hunspell-da</i>	1.7.27	1.7.29	<a href="http://da.speling.org/">http://da.speling.org/</a>
<i>hunspell-et</i>	new	0.20030606	<a href="http://www.meso.ee/~jjpp/speller/">http://www.meso.ee/~jjpp/speller/</a>
<i>hunspell-fo</i>	0.2.35	0.2.37	<a href="http://fo.speling.org/">http://fo.speling.org/</a>
<i>hunspell-fr</i>	2.3.2	3.4	<a href="http://www.dicollecte.org/home.php?prj=fr">http://www.dicollecte.org/home.php?prj=fr</a>
<i>hunspell-gd</i>	0.1.1	1.0.0	<a href="http://www.sealgar.co.uk/spell.jsp">http://www.sealgar.co.uk/spell.jsp</a>
<i>hunspell-hil</i>	0.20050406	0.13	<a href="http://extensions.services.openoffice.org/project/hunspell-hil">http://extensions.services.openoffice.org/project/hunspell-hil</a>
<i>hunspell-hu</i>	1.4	1.5	<a href="http://magyarispell.sourceforge.net">http://magyarispell.sourceforge.net</a>
<i>hunspell-is</i>	0.20060928	0.20090823	<a href="http://extensions.services.openoffice.org/project/dict-is">http://extensions.services.openoffice.org/project/dict-is</a>
<i>hunspell-kk</i>	new	1.1	<a href="http://extensions.services.openoffice.org/project/dict-kk">http://extensions.services.openoffice.org/project/dict-kk</a>
<i>hunspell-km</i>	1.0.2	1.1	<a href="http://www.sbbic.org/">http://www.sbbic.org/</a>
<i>hunspell-kn</i>	new	1.0.3	<a href="http://extensions.services.openoffice.org/project/kannada">http://extensions.services.openoffice.org/project/kannada</a>
<i>hunspell-ko</i>	new	0.3.3	<a href="http://code.google.com/p/spellcheck-ko/">http://code.google.com/p/spellcheck-ko/</a>
<i>hunspell-ky</i>	new	0.20090415	<a href="http://borel.slu.edu/crubadan/">http://borel.slu.edu/crubadan/</a>

组件	老版本	新版本	上游URL
<i>hunspell-ln</i>	new	0.02	<a href="http://lingala.sourceforge.net/">http://lingala.sourceforge.net/</a>
<i>hunspell-lv</i>	0.7.4	0.8.2	<a href="http://dict.dv.lv/">http://dict.dv.lv/</a>
<i>hunspell-mn</i>	0.60.2	0.20080709	<a href="http://mnsPELL.openmn.org">http://mnsPELL.openmn.org</a>
<i>hunspell-mos</i>	new	0.20090806	<a href="http://www.abcburkina.net/content/view/377/48/lang,fr">http://www.abcburkina.net/content/view/377/48/lang,fr</a>
<i>hunspell-ne</i>	20061217	20080425	<a href="http://nepalinux.org/downloads">http://nepalinux.org/downloads</a>
<i>hunspell-nl</i>	1.00g	1.10	<a href="http://www.opentaal.org/english.php">http://www.opentaal.org/english.php</a>
<i>hunspell-pl</i>	0.20090315	0.20090908	<a href="http://www.kurnik.pl/dictionary/">http://www.kurnik.pl/dictionary/</a>
<i>hunspell-pt</i>	0.20090309	0.20090702	<a href="http://www.broffice.org/verortografico/baixar">http://www.broffice.org/verortografico/baixar</a>
<i>hunspell-quh</i>	new	0.20081017	<a href="http://www.runasimipi.org/blanco-en.php?file=desarrollar-orto">http://www.runasimipi.org/blanco-en.php?file=desarrollar-orto</a>
<i>hunspell-se</i>	new	1.0	<a href="http://www.divvun.no/index.html">http://www.divvun.no/index.html</a>
<i>hunspell-shs</i>	new	0.20090828	<a href="http://secpewt.sd73.bc.ca/wordlist">http://secpewt.sd73.bc.ca/wordlist</a>
<i>hunspell-smj</i>	new	1.0	<a href="http://www.divvun.no/index.html">http://www.divvun.no/index.html</a>
<i>hunspell-so</i>	new	0.1.3	<a href="http://www.opensourcesomalia.org/index.php?page=hingaad-saxe">http://www.opensourcesomalia.org/index.php?page=hingaad-saxe</a>
<i>hunspell-sr</i>	0.20080711	0.20090511	<a href="http://extensions.services.openoffice.org/project/dict-sr">http://extensions.services.openoffice.org/project/dict-sr</a>
<i>hunspell-sv</i>	1.30	1.39	<a href="http://dssso.se/">http://dssso.se/</a>
<i>hunspell-ta</i>	20060222	20090929	<a href="http://amachu.net">http://amachu.net</a>
<i>hunspell-ti</i>	new	0.20090911	<a href="http://www.cs.ru.nl/~biniam/geez/index.php">http://www.cs.ru.nl/~biniam/geez/index.php</a>
<i>hunspell-uk</i>	1.5.7	1.6.0	<a href="http://sourceforge.net/projects/ispell-uk">http://sourceforge.net/projects/ispell-uk</a>

组件	老版本	新版本	上游URL
<i>hunspell-ur</i>	0.6	0.64	<a href="http://urdudictionary.codeplex.com">http://urdudictionary.codeplex.com</a>
<i>hyphen-as</i>	new	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-be</i>	new	1.1	<a href="http://extensions.services.openoffice.org/project/dict-be-official">http://extensions.services.openoffice.org/project/dict-be-official</a>
<i>hyphen-bn</i>	new	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-ca</i>	0.20030920	0.9.2	<a href="http://extensions.services.openoffice.org/project/ca_hyph">http://extensions.services.openoffice.org/project/ca_hyph</a>
<i>hyphen-cy</i>	new	0.20080619	<a href="http://tug.org/tex-hyphen">http://tug.org/tex-hyphen</a>
<i>hyphen-eu</i>	new	0.20080628	<a href="http://tp.lc.ehu.es/jma/basque.html">http://tp.lc.ehu.es/jma/basque.html</a>
<i>hyphen-fo</i>	new	0.20040420	<a href="http://fo.speling.org/">http://fo.speling.org/</a>
<i>hyphen-fr</i>	0.20080318	2.0	<a href="http://dicollecte.tuxfamily.org/home.php?prj=fr">http://dicollecte.tuxfamily.org/home.php?prj=fr</a>
<i>hyphen-gl</i>	new	0.99	<a href="https://forxa.mancomun.org/projects/hyphenation-gl">https://forxa.mancomun.org/projects/hyphenation-gl</a>
<i>hyphen-gu</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-hi</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-hu</i>	0.20081106	0.20090612	<a href="http://www.tipogral.hu/">http://www.tipogral.hu/</a>
<i>hyphen-kn</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-ku</i>	new	1.60	<a href="http://extensions.services.openoffice.org/project/kitandin">http://extensions.services.openoffice.org/project/kitandin</a>
<i>hyphen-lv</i>	0.7.4	0.8.2	<a href="http://dict.dv.lv/">http://dict.dv.lv/</a>
<i>hyphen-ml</i>	0.20090118	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-mr</i>	new	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-or</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-pa</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-sa</i>	0.20081010	0.20090412	<a href="http://tug.org/tex-hyphen">http://tug.org/tex-hyphen</a>
<i>hyphen-sr</i>	new	0.20090511	<a href="http://extensions.services.openoffice.org/project/dict-sr">http://extensions.services.openoffice.org/project/dict-sr</a>
<i>hyphen-ta</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>
<i>hyphen-te</i>	0.20081213	0.20090924	<a href="http://wiki.smc.org.in">http://wiki.smc.org.in</a>

组件	老版本	新版本	上游URL
<i>ipv6calc</i>	0.71.0	0.72.2	<a href="http://www.deepspace6.net/projects/ipv6calc.html">http://www.deepspace6.net/projects/ipv6calc.html</a>
<i>kasumi</i>	2.4	2.5	<a href="http://kasumi.sourceforge.jp/">http://kasumi.sourceforge.jp/</a>
<i>kdesdk-utils</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>less</i>	429	436	<a href="http://www.greenwoodsoftware.com/less/">http://www.greenwoodsoftware.com/less/</a>
<i>libtasn1-tools</i>	1.8	2.3	<a href="http://www.gnu.org/software/libtasn1/">http://www.gnu.org/software/libtasn1/</a>
<i>m4</i>	1.4.12	1.4.13	<a href="http://www.gnu.org/software/m4/">http://www.gnu.org/software/m4/</a>
<i>malaga-suomi-voikko</i>	1.3	1.4	<a href="http://voikko.sourceforge.net/">http://voikko.sourceforge.net/</a>
<i>mythes-da</i>	0.1.9	0.20090522	<a href="http://synonym.ofoforum.dk">http://synonym.ofoforum.dk</a>
<i>mythes-de</i>	0.20090402	0.20090708	<a href="http://www.openthesaurus.de">http://www.openthesaurus.de</a>
<i>mythes-es</i>	0.20090406	0.20090908	<a href="http://openthes-es.berlios.de">http://openthes-es.berlios.de</a>
<i>mythes-hu</i>	new	0.20090918	<a href="http://extensions.services.openoffice.org/project/hu_dicts">http://extensions.services.openoffice.org/project/hu_dicts</a>
<i>mythes-nl</i>	0.20090325	0.20090708	<a href="http://www.opentaal.org/opentaalbank/thesaurus">http://www.opentaal.org/opentaalbank/thesaurus</a>
<i>mythes-sk</i>	0.20090402	0.20090907	<a href="http://www.sk-spell.sk.cx/thesaurus/">http://www.sk-spell.sk.cx/thesaurus/</a>
<i>mythes-sl</i>	0.20090328	0.20090908	<a href="http://www.tezaver.si/">http://www.tezaver.si/</a>
<i>mythes-sv</i>	0.20090225	1.2	<a href="http://extensions.services.openoffice.org/project/SweThes">http://extensions.services.openoffice.org/project/SweThes</a>
<i>mythes-uk</i>	1.5.7	1.6.0	<a href="http://sourceforge.net/projects/ispell-uk">http://sourceforge.net/projects/ispell-uk</a>
<i>poppler-utils</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>publican</i>	0.44	1.1	<a href="https://publican.fedorahosted.org">https://publican.fedorahosted.org</a>
<i>sed</i>	4.1.5	4.2.1	<a href="http://sed.sourceforge.net/">http://sed.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>sphinx</i>	new	0.9.8.1	<a href="http://sphinxsearch.com">http://sphinxsearch.com</a>
<i>t1lib-apps</i>	new	5.1.2	<a href="ftp://sunsite.unc.edu/pub/Linux/libs/graphics/t1lib-5.1.2.lsm">ftp://sunsite.unc.edu/pub/Linux/libs/graphics/t1lib-5.1.2.lsm</a>
<i>voikko-tools</i>	2.1	2.2.1	<a href="http://voikko.sourceforge.net/">http://voikko.sourceforge.net/</a>
<i>wklej</i>	0.1.6	0.1.7	<a href="http://wklej.org/">http://wklej.org/</a>
<i>wklej-vim</i>	0.1.6	0.1.7	<a href="http://wklej.org/">http://wklej.org/</a>
<i>wordnet</i>	new	3.0	<a href="http://wordnet.princeton.edu">http://wordnet.princeton.edu</a>
<i>xiphos</i>	new	3.1.1	<a href="http://xiphos.sourceforge.net/">http://xiphos.sourceforge.net/</a>
<i>xmlfy</i>	new	1.5.0	<a href="http://xmlfy.sourceforge.net/">http://xmlfy.sourceforge.net/</a>

表 22. 应用程序-文档的所有更新

已更改软件包	128
未更改软件包	262
软件包总数	390

### 8.3. 桌面-辅助工具

组件	老版本	新版本	上游URL
<i>dasher</i>	4.10.0	4.10.1	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-mag</i>	0.15.6	0.15.9	<a href="http://www.gnome.org/">http://www.gnome.org/</a>

表 23. 桌面-辅助工具的所有更新

已更改软件包	2
未更改软件包	1
软件包总数	3

## 8.4. 开发

### 8.4.1. 开发-构建工具

组件	老版本	新版本	上游URL
<i>ant-findbugs</i>	1.3.8	1.3.9	<a href="http://findbugs.sourceforge.net/">http://findbugs.sourceforge.net/</a>
<i>maven2</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>

组件	老版本	新版本	上游URL
<i>maven2-plugin-ant</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-antr</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-antrun</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-assembly</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-changelog</i>	new	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-changes</i>	new	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-checkstyle</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-clean</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-compiler</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-dependency</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-deploy</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-doap</i>	new	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-docck</i>	new	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-ear</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-eclipse</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-ejb</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-enforcer</i>	new	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-gpg</i>	new	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-help</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-idea</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-plugin-install</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>

组件	老版本	新版本	上游URL
<i>maven2-plugin-invoker</i>	new	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-jar</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-javadoc</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-one</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-plugin</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-pmd</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-project-info-reports</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-rar</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-remote-resources</i>	new	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-repository</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-resources</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-site</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-source</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-stage</i>	new	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-verifier</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>
<i>maven2-plugin-war</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http:// maven.apache.org/</a>

表 24. 开发-构建工具的所有更新

已更改软件包	39
未更改软件包	20
软件包总数	59

## 8.4.2. 开发-调试工具

组件	老版本	新版本	上游URL
<i>crash</i>	4.0	4.0.9	<a href="http://people.redhat.com/anderson">http://people.redhat.com/anderson</a>
<i>crash-devel</i>	4.0	4.0.9	<a href="http://people.redhat.com/anderson">http://people.redhat.com/anderson</a>
<i>edb</i>	0.9.8	0.9.10	<a href="http://www.codef00.com/projects.php#Debugger">http://www.codef00.com/projects.php#Debugger</a>
<i>emacs-pydb</i>	1.25	1.26	<a href="http://bashdb.sourceforge.net/pydb">http://bashdb.sourceforge.net/pydb</a>
<i>gdb</i>	6.8.50.20090302	7.0	<a href="http://gnu.org/software/gdb/">http://gnu.org/software/gdb/</a>
<i>gdb-gdbserver</i>	6.8.50.20090302	7.0	<a href="http://gnu.org/software/gdb/">http://gnu.org/software/gdb/</a>
<i>gpsim</i>	0.23.0	0.24.0	<a href="http://gpsim.sourceforge.net/gpsim.html">http://gpsim.sourceforge.net/gpsim.html</a>
<i>latrace</i>	new	0.5.7	<a href="http://people.redhat.com/jolsa/latrace">http://people.redhat.com/jolsa/latrace</a>
<i>lsof</i>	4.81	4.82	<a href="ftp://lsof.itap.purdue.edu/pub/tools/unix/lsof">ftp://lsof.itap.purdue.edu/pub/tools/unix/lsof</a>
<i>nemiver</i>	0.6.6	0.7.2	<a href="http://projects.gnome.org/nemiver">http://projects.gnome.org/nemiver</a>
<i>pydb</i>	1.25	1.26	<a href="http://bashdb.sourceforge.net/pydb">http://bashdb.sourceforge.net/pydb</a>
<i>pylint</i>	0.16.0	0.18.1	<a href="http://www.logilab.org/projects/pylint">http://www.logilab.org/projects/pylint</a>
<i>pylint-gui</i>	0.16.0	0.18.1	<a href="http://www.logilab.org/projects/pylint">http://www.logilab.org/projects/pylint</a>
<i>strace</i>	4.5.18	4.5.19	<a href="http://sourceforge.net/projects/strace/">http://sourceforge.net/projects/strace/</a>
<i>valgrind</i>	3.4.1	3.5.0	<a href="http://www.valgrind.org/">http://www.valgrind.org/</a>
<i>valgrind-devel</i>	3.4.1	3.5.0	<a href="http://www.valgrind.org/">http://www.valgrind.org/</a>

表 25. 开发-调试工具的所有更新

已更改软件包

16



未更改软件包	14
软件包总数	30

### 8.4.3. 开发-文档

组件	老版本	新版本	上游URL
<i>automaton-javadoc</i>	1.11r1	1.11r2	<a href="http://www.brics.dk/automaton/">http://www.brics.dk/automaton/</a>
<i>bsf-javadoc</i>	2.3.0	2.4.0	<a href="http://jakarta.apache.org/bsf/">http://jakarta.apache.org/bsf/</a>
<i>findbugs-javadoc</i>	1.3.8	1.3.9	<a href="http://findbugs.sourceforge.net/">http://findbugs.sourceforge.net/</a>
<i>flute-javadoc</i>	1.3	1.3.0	<a href="http://www.w3.org/Style/CSS/SAC/">http://www.w3.org/Style/CSS/SAC/</a>
<i>gnu-getopt-javadoc</i>	1.0.12	1.0.13	<a href="http://www.urbanophile.com/arenn/hacking/download.html">http://www.urbanophile.com/arenn/hacking/download.html</a>
<i>icu4j-javadoc</i>	3.8.1	4.0.1	<a href="http://www-306.ibm.com/software/globalization/icu/index.jsp">http://www-306.ibm.com/software/globalization/icu/index.jsp</a>
<i>java-augeas-javadoc</i>	new	0.0.1	<a href="http://augeas.net/">http://augeas.net/</a>
<i>jcommon-javadoc</i>	1.0.15	1.0.16	<a href="http://www.jfree.org/jcommon">http://www.jfree.org/jcommon</a>
<i>jdepend-javadoc</i>	2.6	2.9	<a href="http://www.clarkware.com/">http://www.clarkware.com/</a>
<i>jsch-demo</i>	0.1.39	0.1.41	<a href="http://www.jcraft.com/jsch/">http://www.jcraft.com/jsch/</a>
<i>jsch-javadoc</i>	0.1.39	0.1.41	<a href="http://www.jcraft.com/jsch/">http://www.jcraft.com/jsch/</a>
<i>kdelibs-apidocs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepimlibs-apidocs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>libvirt-java-javadoc</i>	0.2.1	0.3.0	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>maven-doxia-javadoc</i>	new	1.0	<a href="http://maven.apache.org/doxia/">http://maven.apache.org/doxia/</a>
<i>maven-surefire-javadoc</i>	new	2.3	<a href="http://maven.apache.org/surefire/">http://maven.apache.org/surefire/</a>
<i>maven-wagon-javadoc</i>	new	1.0	<a href="http://maven.apache.org/wagon">http://maven.apache.org/wagon</a>

组件	老版本	新版本	上游URL
<i>maven2-javadoc</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven2-manual</i>	2.0.4	2.0.8	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>plexus-maven-plugin-javadoc</i>	1.2	1.3.5	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-velocity-javadoc</i>	1.1.2	1.1.7	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>qdox-javadoc</i>	1.6.1	1.9.2	<a href="http://qdox.codehaus.org/">http://qdox.codehaus.org/</a>
<i>soprano-apidocs</i>	2.2.3	2.3.1	<a href="http://sourceforge.net/projects/soprano">http://sourceforge.net/projects/soprano</a>
<i>svnkit-javadoc</i>	1.2.3	1.3.0	<a href="http://www.svnkit.com/">http://www.svnkit.com/</a>
<i>writer2latex-javadoc</i>	0.5.0.2	1.0	<a href="http://writer2latex.sourceforge.net/">http://writer2latex.sourceforge.net/</a>

表 26. 开发-文件的所有更新

已更改软件包	25
未更改软件包	103
软件包总数	128

#### 8.4.4. 开发-Java

组件	老版本	新版本	上游URL
<i>maven-jxr</i>	1.0	2.1	<a href="http://maven.apache.org/doxia/">http://maven.apache.org/doxia/</a>
<i>maven-surefire</i>	1.5.3	2.3	<a href="http://maven.apache.org/surefire/">http://maven.apache.org/surefire/</a>
<i>maven-surefire-maven-plugin</i>	new	2.3	<a href="http://maven.apache.org/surefire/">http://maven.apache.org/surefire/</a>
<i>maven-surefire-provider-junit</i>	new	2.3	<a href="http://maven.apache.org/surefire/">http://maven.apache.org/surefire/</a>
<i>maven-surefire-provider-junit4</i>	new	2.3	<a href="http://maven.apache.org/surefire/">http://maven.apache.org/surefire/</a>
<i>maven-surefire-report-maven-plugin</i>	new	2.3	<a href="http://maven.apache.org/surefire/">http://maven.apache.org/surefire/</a>

组件	老版本	新版本	上游URL
<i>plexus-maven-plugin</i>	1.2	1.3.5	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-velocity</i>	1.1.2	1.1.7	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>

表 27. 开发-Java的所有更新

已更改软件包	8
未更改软件包	41
软件包总数	49

#### 8.4.5. 开发-程序语言

组件	老版本	新版本	上游URL
<i>Django</i>	1.0.2	1.1	<a href="http://www.djangoproject.com/">http://www.djangoproject.com/</a>
<i>Django-south</i>	new	0.6	<a href="http://south.aeracode.org">http://south.aeracode.org</a>
<i>Falcon</i>	0.8.14.2	0.9.4.2	<a href="http://www.falconpl.org/">http://www.falconpl.org/</a>
<i>PyKDE</i>	3.16.2	3.16.3	<a href="http://www.riverbankcomputing.com/software/pykde/intro">http://www.riverbankcomputing.com/software/pykde/intro</a>
<i>PyKDE-devel</i>	3.16.2	3.16.3	<a href="http://www.riverbankcomputing.com/software/pykde/intro">http://www.riverbankcomputing.com/software/pykde/intro</a>
<i>PyKDE4</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>PyKDE4-akonadi</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>PyKDE4-devel</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>PyQt</i>	3.17.6	3.18.1	<a href="http://www.riverbankcomputing.com/pyqt/">http://www.riverbankcomputing.com/pyqt/</a>
<i>PyQt-devel</i>	3.17.6	3.18.1	<a href="http://www.riverbankcomputing.com/pyqt/">http://www.riverbankcomputing.com/pyqt/</a>
<i>PyQt-examples</i>	3.17.6	3.18.1	<a href="http://www.riverbankcomputing.com/pyqt/">http://www.riverbankcomputing.com/pyqt/</a>

组件	老版本	新版本	上游URL
<i>PyQt4</i>	4.4.4	4.5.4	<a href="http://www.riverbankcomputing.com/software/pyqt/">http://www.riverbankcomputing.com/software/pyqt/</a>
<i>PyQt4-devel</i>	4.4.4	4.5.4	<a href="http://www.riverbankcomputing.com/software/pyqt/">http://www.riverbankcomputing.com/software/pyqt/</a>
<i>PyQwt</i>	5.1.0	5.2.0	<a href="http://pyqwt.sourceforge.net/">http://pyqwt.sourceforge.net/</a>
<i>PyQwt-devel</i>	5.1.0	5.2.0	<a href="http://pyqwt.sourceforge.net/">http://pyqwt.sourceforge.net/</a>
<i>QtRuby</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>QtRuby-devel</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>R2spec</i>	2.5.2	2.5.3	<a href="https://fedorahosted.org/r2spec/">https://fedorahosted.org/r2spec/</a>
<i>ant-scala</i>	2.7.3	2.7.5	<a href="http://www.scala-lang.org/">http://www.scala-lang.org/</a>
<i>bash-doc</i>	4.0	4.0.33	<a href="http://www.gnu.org/software/bash">http://www.gnu.org/software/bash</a>
<i>bigloo</i>	3.1b	3.2b	<a href="http://www-sop.inria.fr/mimosa/fp/Bigloo">http://www-sop.inria.fr/mimosa/fp/Bigloo</a>
<i>bigloo-doc</i>	3.1b	3.2b	<a href="http://www-sop.inria.fr/mimosa/fp/Bigloo">http://www-sop.inria.fr/mimosa/fp/Bigloo</a>
<i>bigloo-emacs</i>	3.1b	3.2b	<a href="http://www-sop.inria.fr/mimosa/fp/Bigloo">http://www-sop.inria.fr/mimosa/fp/Bigloo</a>
<i>bigloo-xemacs</i>	3.1b	3.2b	<a href="http://www-sop.inria.fr/mimosa/fp/Bigloo">http://www-sop.inria.fr/mimosa/fp/Bigloo</a>
<i>boo</i>	0.8.1.2865	0.9.2.3383	<a href="http://boo.codehaus.org">http://boo.codehaus.org</a>
<i>bytex-data-mysql</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>cabal2spec</i>	0.12	0.17	<a href="https://fedorahosted.org/cabal2spec/">https://fedorahosted.org/cabal2spec/</a>
<i>clutter-gst</i>	0.8.0	0.10.0	<a href="http://www.clutter-project.org">http://www.clutter-project.org</a>
<i>clutter-gtk</i>	0.8.2	0.10.2	<a href="http://www.clutter-project.org">http://www.clutter-project.org</a>
<i>cpp</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>

组件	老版本	新版本	上游URL
<i>cppcheck</i>	new	1.36	<a href="http://cppcheck.wiki.sourceforge.net/">http:// cppcheck.wiki.sourceforge.net/</a>
<i>cpphs</i>	1.6	1.9	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/cpphs</a>
<i>cups-php</i>	1.4	1.4.1	<a href="http://www.cups.org/">http://www.cups.org/</a>
<i>django-authority</i>	new	0.3	<a href="http://bitbucket.org/jezdez/django-authority/">http://bitbucket.org/ jezdez/django- authority/</a>
<i>django-filter</i>	new	0.5.0	<a href="http://pypi.python.org/pypi/django-filter">http://pypi.python.org/ pypi/django-filter</a>
<i>django-piston</i>	new	0.2.2	<a href="http://bitbucket.org/jespern/django-piston/">http://bitbucket.org/ jespern/django-piston/</a>
<i>django-profile</i>	new	0.6	<a href="http://code.google.com/p/django-profile/">http://code.google.com/ p/django-profile/</a>
<i>django-sorting</i>	new	0.1	<a href="http://pypi.python.org/pypi/django-sorting">http://pypi.python.org/ pypi/django-sorting</a>
<i>easymock2</i>	new	2.5	<a href="http://easymock.org/">http://easymock.org/</a>
<i>ecl</i>	0.9l	9.8.1	<a href="http://ecls.sourceforge.net">http:// ecls.sourceforge.net</a>
<i>eclipse-findbugs</i>	1.3.8	1.3.9	<a href="http://findbugs.sourceforge.net/">http:// findbugs.sourceforge.net/</a>
<i>eclipse-findbugs-contrib</i>	new	4.0.0	<a href="http://fb-contrib.sourceforge.net/">http://fb- contrib.sourceforge.net/</a>
<i>eclipse-rcp</i>	3.4.2	3.5.1	<a href="http://www.eclipse.org/">http://www.eclipse.org/</a>
<i>eina-devel</i>	0.7.3	0.8.0	<a href="http://eina.sourceforge.net/">http:// eina.sourceforge.net/</a>
<i>empathy-python</i>	2.26.1	2.28.1.1	<a href="http://live.gnome.org/Empathy">http://live.gnome.org/ Empathy</a>
<i>erlang</i>	R12B	R13B	<a href="http://www.erlang.org">http://www.erlang.org</a>
<i>erlang-doc</i>	R12B	R13B	<a href="http://www.erlang.org">http://www.erlang.org</a>
<i>erlang-eradius</i>	new	0	<a href="http://jungerl.sourceforge.net/">http:// jungerl.sourceforge.net/</a>
<i>etoys</i>	4.0.2206	4.0.2332	<a href="http://squeakland.org/">http://squeakland.org/</a>
<i>fedora-devshell</i>	new	0.1.1	<a href="https://fedorahosted.org/fedora-devshell/">https:// fedorahosted.org/ fedora-devshell/</a>
<i>findbugs</i>	1.3.8	1.3.9	<a href="http://findbugs.sourceforge.net/">http:// findbugs.sourceforge.net/</a>
<i>findbugs-contrib</i>	new	4.0.0	<a href="http://fb-contrib.sourceforge.net/">http://fb- contrib.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>findbugs-contrib-samples</i>	new	4.0.0	<a href="http://fb-contrib.sourceforge.net/">http://fb-contrib.sourceforge.net/</a>
<i>findbugs-tools</i>	1.3.8	1.3.9	<a href="http://findbugs.sourceforge.net/">http://findbugs.sourceforge.net/</a>
<i>fpc</i>	2.2.2	2.2.4	<a href="http://www.freepascal.org/">http://www.freepascal.org/</a>
<i>fpc-src</i>	2.2.2	2.2.4	<a href="http://www.freepascal.org/">http://www.freepascal.org/</a>
<i>gauche</i>	0.8.13	0.8.14	<a href="http://www.shiro.dreamhost.com/scheme/gauche">http://www.shiro.dreamhost.com/scheme/gauche</a>
<i>gauche-devel</i>	0.8.13	0.8.14	<a href="http://www.shiro.dreamhost.com/scheme/gauche">http://www.shiro.dreamhost.com/scheme/gauche</a>
<i>gcc</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcc-c++</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcc-gfortran</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcc-gnat</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcc-java</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcc-objc</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcc-objc++</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>gcl-selinux</i>	new	2.6.8	<a href="http://www.gnu.org/software/gcl/">http://www.gnu.org/software/gcl/</a>
<i>ghc</i>	6.10.1	6.10.4	<a href="http://haskell.org/ghc/">http://haskell.org/ghc/</a>
<i>ghc-doc</i>	6.10.1	6.10.4	<a href="http://haskell.org/ghc/">http://haskell.org/ghc/</a>
<i>ghdl</i>	0.27	0.28	<a href="http://ghdl.free.fr/">http://ghdl.free.fr/</a>
<i>gnome-python2</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>
<i>gnome-python2-applet</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-bonobo</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>
<i>gnome-python2-brasero</i>	new	2.28.0	n/a
<i>gnome-python2-bugbuddy</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-canvas</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>

组件	老版本	新版本	上游URL
<i>gnome-python2-desktop</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-devel</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>
<i>gnome-python2-evinced</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-evolution</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-gconf</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>
<i>gnome-python2-gnome</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>
<i>gnome-python2-gnomedesktop</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-gnomekeyring</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-gnomeprint</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-gnomevfs</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/gnome-python/">http://download.gnome.org/sources/gnome-python/</a>
<i>gnome-python2-gtksourceview</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-libgtop2</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-libwnck</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-metacity</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-rsvg</i>	2.26.0	2.28.0	n/a
<i>gnome-python2-totem</i>	2.26.0	2.28.0	n/a
<i>gputils</i>	0.13.6	0.13.7	<a href="http://gputils.sourceforge.net">http://gputils.sourceforge.net</a>
<i>gstreamer-python</i>	0.10.14	0.10.16	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gtk-sharp2-gapi</i>	2.12.7	2.12.9	<a href="http://gtk-sharp.sf.net">http://gtk-sharp.sf.net</a>
<i>guile</i>	1.8.6	1.8.7	<a href="http://www.gnu.org/software/guile/">http://www.gnu.org/software/guile/</a>
<i>gupnp-vala</i>	0.5.3	0.6	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>

组件	老版本	新版本	上游URL
<i>hamster-applet</i>	2.26.0	2.28.1	<a href="http://code.google.com/p/projecthamster/">http://code.google.com/p/projecthamster/</a>
<i>ibm-data-db2</i>	2.4	2.4.2.3	<a href="http://www.monoproject.com/Main_Page">http://www.monoproject.com/Main_Page</a>
<i>kaya</i>	0.5.1	0.5.2	<a href="http://kayalang.org">http://kayalang.org</a>
<i>kimono</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>korundum</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>korundum-devel</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>kross-python</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>kross-ruby</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>lekhonee-lib</i>	new	0.7	<a href="http://fedorahosted.org/lekhonee">http://fedorahosted.org/lekhonee</a>
<i>libgcj-devel</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>llvm</i>	2.5	2.6	<a href="http://llvm.org/">http://llvm.org/</a>
<i>llvm-devel</i>	2.5	2.6	<a href="http://llvm.org/">http://llvm.org/</a>
<i>llvm-doc</i>	2.5	2.6	<a href="http://llvm.org/">http://llvm.org/</a>
<i>mapserver-java</i>	5.2.1	5.4.2	<a href="http://mapserver.gis.umn.edu">http://mapserver.gis.umn.edu</a>
<i>mapserver-perl</i>	5.2.1	5.4.2	<a href="http://mapserver.gis.umn.edu">http://mapserver.gis.umn.edu</a>
<i>mapserver-python</i>	5.2.1	5.4.2	<a href="http://mapserver.gis.umn.edu">http://mapserver.gis.umn.edu</a>
<i>mingw32-cpp</i>	4.4.0	4.4.1	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>mingw32-gcc</i>	4.4.0	4.4.1	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>mingw32-gcc-c++</i>	4.4.0	4.4.1	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>mingw32-gcc-gfortran</i>	4.4.0	4.4.1	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>mingw32-gcc-objc</i>	4.4.0	4.4.1	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>mingw32-gcc-objc++</i>	4.4.0	4.4.1	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>mingw32-tcl</i>	new	8.5.7	<a href="http://tcl.sourceforge.net/">http://tcl.sourceforge.net/</a>



组件	老版本	新版本	上游URL
<i>mono-basic</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>mono-core</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-data</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-data-firebird</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-data-oracle</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-data-postgresql</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-data-sqlite</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-data-sybase</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-devel</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-extras</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-jscript</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-locale-extras</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-nunit</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-tools-devel</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>mono-wcf</i>	new	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-web</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-web-devel</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-winforms</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-zeroconf</i>	0.7.6	0.9.0	<a href="http://banshee-project.org/files/mono-zeroconf">http://banshee-project.org/files/mono-zeroconf</a>

组件	老版本	新版本	上游URL
<i>monsoon</i>	0.20	0.21	<a href="http://www.monsoon-project.com">http://www.monsoon-project.com</a>
<i>misp430-gcc</i>	new	3.2.3	<a href="http://mispgcc.sf.net/">http://mispgcc.sf.net/</a>
<i>nasm</i>	2.05.01	2.07	<a href="http://nasm.sourceforge.net/">http://nasm.sourceforge.net/</a>
<i>nasm-doc</i>	2.05.01	2.07	<a href="http://nasm.sourceforge.net/">http://nasm.sourceforge.net/</a>
<i>nickle</i>	2.68	2.69	<a href="http://nickle.org">http://nickle.org</a>
<i>nickle-devel</i>	2.68	2.69	<a href="http://nickle.org">http://nickle.org</a>
<i>ocaml</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-camlp4</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-camlp4-devel</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-docs</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-emacs</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-ocamldoc</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-source</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>odfpy</i>	0.8	0.9	<a href="http://forge.osor.eu/projects/odfpy/">http://forge.osor.eu/projects/odfpy/</a>
<i>oorexx</i>	3.2.0	4.0.0	<a href="http://www.oorexx.org">http://www.oorexx.org</a>
<i>oorexx-devel</i>	3.2.0	4.0.0	<a href="http://www.oorexx.org">http://www.oorexx.org</a>
<i>oorexx-docs</i>	3.2.0	4.0.0	<a href="http://www.oorexx.org">http://www.oorexx.org</a>
<i>papyon</i>	new	0.4.2	<a href="http://telepathy.freedesktop.org/wiki/Papyon">http://telepathy.freedesktop.org/wiki/Papyon</a>
<i>pcc</i>	new	0.9.9	<a href="http://pcc.ludd.ltu.se/">http://pcc.ludd.ltu.se/</a>
<i>perl-Test-Simple</i>	0.86	0.92	<a href="http://www.perl.org/">http://www.perl.org/</a>
<i>php</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-bcmath</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-channel-doctrine</i>	new	1.0.0	<a href="http://www.doctrine-project.com/">http://www.doctrine-project.com/</a>
<i>php-cli</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-common</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-dba</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-eaccelerator</i>	0.9.5.3	0.9.6	<a href="http://eaccelerator.net/">http://eaccelerator.net/</a>
<i>php-facedetect</i>	new	1.0.0	<a href="http://www.xarg.org/project/php-facedetect/">http://www.xarg.org/project/php-facedetect/</a>
<i>php-gd</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-imap</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-interbase</i>	new	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>

组件	老版本	新版本	上游URL
<i>php-ldap</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-mapserver</i>	5.2.1	5.4.2	<a href="http://mapserver.gis.umn.edu">http:// mapserver.gis.umn.edu</a>
<i>php-markdown</i>	new	1.0.1m	<a href="http://michelf.com/projects/php-markdown/">http://michelf.com/ projects/php- markdown/</a>
<i>php-mbstring</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-mcrypt</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-mssql</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-mysql</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-odbc</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-pdo</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-pear</i>	1.7.2	1.9.0	<a href="http://pear.php.net/package/PEAR">http://pear.php.net/ package/PEAR</a>
<i>php-pear-Crypt-CHAP</i>	1.0.1	1.0.2	<a href="http://pear.php.net/package/Crypt_CHAP">http://pear.php.net/ package/Crypt_CHAP</a>
<i>php-pear-File-Passwd</i>	1.1.6	1.1.7	<a href="http://pear.php.net/package/File_Passwd">http://pear.php.net/ package/File_Passwd</a>
<i>php-pear-File-SMBPasswd</i>	1.0.2	1.0.3	<a href="http://pear.php.net/package/File_SMBPasswd">http://pear.php.net/ package/ File_SMBPasswd</a>
<i>php-pear-Net-POP3</i>	1.3.6	1.3.7	<a href="http://pear.php.net/package/Net_POP3">http://pear.php.net/ package/Net_POP3</a>
<i>php-pear-Net-UserAgent-Detect</i>	2.5.0	2.5.1	<a href="http://pear.php.net/package/Net_UserAgent_Detect">http://pear.php.net/ package/ Net_UserAgent_Detect</a>
<i>php-pear-Numbers-Words</i>	0.15.0	0.16.1	<a href="http://pear.php.net/package/Numbers_Words">http://pear.php.net/ package/ Numbers_Words</a>
<i>php-pecl-apc</i>	3.0.19	3.1.3p1	<a href="http://pecl.php.net/package/APC">http://pecl.php.net/ package/APC</a>
<i>php-pecl-geoip</i>	new	1.0.7	<a href="http://pecl.php.net/package/geoip">http://pecl.php.net/ package/geoip</a>
<i>php-pecl-lzf</i>	new	1.5.2	<a href="http://pecl.php.net/package/LZF">http://pecl.php.net/ package/LZF</a>
<i>php-pecl-mailparse</i>	2.1.4	2.1.5	<a href="http://pecl.php.net/package/mailparse">http://pecl.php.net/ package/mailparse</a>
<i>php-pecl-memcached</i>	new	1.0.0	<a href="http://pecl.php.net/package/memcached">http://pecl.php.net/ package/memcached</a>
<i>php-pecl-ncurses</i>	new	1.0.0	<a href="http://pecl.php.net/package/ncurses">http://pecl.php.net/ package/ncurses</a>

组件	老版本	新版本	上游URL
<i>php-pecl-selinux</i>	0.1.2	0.3.1	<a href="http://pecl.php.net/package/selinux">http://pecl.php.net/package/selinux</a>
<i>php-pecl-xdebug</i>	2.0.3	2.0.5	<a href="http://pecl.php.net/package/xdebug">http://pecl.php.net/package/xdebug</a>
<i>php-pgsql</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-process</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-qt</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>php-qt-devel</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>php-snmp</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-soap</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-tidy</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-xml</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-xmlrpc</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-zts</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>pl</i>	5.7.6	5.7.11	<a href="http://www.swi-prolog.org">http://www.swi-prolog.org</a>
<i>pl-devel</i>	5.7.6	5.7.11	<a href="http://www.swi-prolog.org">http://www.swi-prolog.org</a>
<i>pl-jpl</i>	5.7.6	5.7.11	<a href="http://www.swi-prolog.org">http://www.swi-prolog.org</a>
<i>pl-static</i>	5.7.6	5.7.11	<a href="http://www.swi-prolog.org">http://www.swi-prolog.org</a>
<i>poedit</i>	1.4.2	1.4.3	<a href="http://www.poedit.net/">http://www.poedit.net/</a>
<i>polyml</i>	5.2	5.2.1	<a href="http://www.polyml.org">http://www.polyml.org</a>
<i>polyml-doc</i>	5.2	5.2.1	<a href="http://www.polyml.org">http://www.polyml.org</a>
<i>protobuf-python</i>	2.0.2	2.2.0	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>
<i>pybluez</i>	0.15	0.16	<a href="http://code.google.com/p/pybluez/">http://code.google.com/p/pybluez/</a>
<i>pycairo</i>	1.8.2	1.8.6	<a href="http://cairographics.org/pycairo">http://cairographics.org/pycairo</a>
<i>pyclutter</i>	0.8.2	0.9.2	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>
<i>pyclutter-gst</i>	0.8.2	0.9.2	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>
<i>pyclutter-gtk</i>	0.8.2	0.9.2	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>

组件	老版本	新版本	上游URL
<i>pycolumnize</i>	new	0.3.2	<a href="http://code.google.com/p/pycolumnize/">http://code.google.com/p/pycolumnize/</a>
<i>pyxiv2</i>	0.1.2	0.1.3	<a href="http://tilloy.net/dev/pyxiv2/">http://tilloy.net/dev/pyxiv2/</a>
<i>pyfits</i>	1.3	2.2	<a href="http://www.stsci.edu/resources/software_hardware/pyfits">http://www.stsci.edu/resources/software_hardware/pyfits</a>
<i>pygobject2</i>	2.16.1	2.20.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygobject2-codegen</i>	2.16.1	2.20.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygobject2-devel</i>	2.16.1	2.20.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygobject2-doc</i>	2.16.1	2.20.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygoocanvas</i>	0.13.1	0.14.0	<a href="http://live.gnome.org/PyGoocanvas">http://live.gnome.org/PyGoocanvas</a>
<i>pygoocanvas-devel</i>	0.13.1	0.14.0	<a href="http://live.gnome.org/PyGoocanvas">http://live.gnome.org/PyGoocanvas</a>
<i>pygtk2</i>	2.14.1	2.16.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygtk2-codegen</i>	2.14.1	2.16.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygtk2-devel</i>	2.14.1	2.16.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygtk2-doc</i>	2.14.1	2.16.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygtk2-libglade</i>	2.14.1	2.16.0	<a href="http://www.pygtk.org/">http://www.pygtk.org/</a>
<i>pygtksourceview</i>	2.4.0	2.8.0	<a href="http://download.gnome.org/sources/pygtksourceview/">http://download.gnome.org/sources/pygtksourceview/</a>
<i>pygtksourceview-devel</i>	2.4.0	2.8.0	<a href="http://download.gnome.org/sources/pygtksourceview/">http://download.gnome.org/sources/pygtksourceview/</a>
<i>pygtksourceview-doc</i>	2.4.0	2.8.0	<a href="http://download.gnome.org/sources/pygtksourceview/">http://download.gnome.org/sources/pygtksourceview/</a>
<i>pymssql</i>	1.0.1	1.0.2	<a href="http://pymssql.sourceforge.net/">http://pymssql.sourceforge.net/</a>
<i>pyodbc</i>	2.1.4	2.1.5	<a href="http://code.google.com/p/pyodbc/">http://code.google.com/p/pyodbc/</a>
<i>pysvn</i>	1.6.3	1.7.0	<a href="http://pysvn.tigris.org/">http://pysvn.tigris.org/</a>
<i>pytc</i>	0.7	0.8	<a href="http://pypi.python.org/pypi/pytc">http://pypi.python.org/pypi/pytc</a>
<i>python</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>

组件	老版本	新版本	上游URL
<i>python-BeautifulSoup</i>	3.1.0.1	3.0.7a	<a href="http://www.crummy.com/software/BeautifulSoup/">http://www.crummy.com/software/BeautifulSoup/</a>
<i>python-Coherence</i>	0.6.2	0.6.4	<a href="https://coherence.beebits.net/">https://coherence.beebits.net/</a>
<i>python-GeoIP</i>	1.2.4	1.2.5	<a href="http://www.maxmind.com/download/geoip/api/python/">http://www.maxmind.com/download/geoip/api/python/</a>

表 28. 开发-程序语言的所有更新

组件	老版本	新版本	上游URL
<i>python-Traits</i>	3.0.2	3.1.0	<a href="http://code.enthought.com/projects/traits/">http://code.enthought.com/projects/traits/</a>
<i>python-TraitsBackendQt</i>	3.0.3	3.1.0	<a href="http://pypi.python.org/pypi/TraitsBackendQt/3.1.0">http://pypi.python.org/pypi/TraitsBackendQt/3.1.0</a>
<i>python-ZConfig</i>	new	2.7.1	<a href="http://www.zope.org/Members/fdrake/zconfig/">http://www.zope.org/Members/fdrake/zconfig/</a>
<i>python-achoo</i>	new	1.0	<a href="http://web.quuxo.com/products/achoo/">http://web.quuxo.com/products/achoo/</a>
<i>python-alsa</i>	1.0.17	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>python-alsaaudio</i>	0.4	0.5	<a href="http://sourceforge.net/projects/pyalsaaudio">http://sourceforge.net/projects/pyalsaaudio</a>
<i>python-application</i>	new	1.1.5	<a href="http://pypi.python.org/pypi/python-application">http://pypi.python.org/pypi/python-application</a>
<i>python-arm4</i>	new	1.2	<a href="http://www.arm4.org/">http://www.arm4.org/</a>
<i>python-beaker</i>	1.3	1.3.1	<a href="http://beaker.groovie.org/">http://beaker.groovie.org/</a>
<i>python-bitarray</i>	new	0.3.5	<a href="http://pypi.python.org/pypi/bitarray/">http://pypi.python.org/pypi/bitarray/</a>
<i>python-boto</i>	1.5c	1.8d	<a href="http://code.google.com/p/boto/">http://code.google.com/p/boto/</a>
<i>python-cclib</i>	new	0.91	<a href="http://cclib.sourceforge.net/">http://cclib.sourceforge.net/</a>
<i>python-ctags</i>	new	1.0.5	<a href="http://code.google.com/p/python-ctags/">http://code.google.com/p/python-ctags/</a>
<i>python-daemon</i>	new	1.4.6	<a href="http://pypi.python.org/pypi/python-daemon/">http://pypi.python.org/pypi/python-daemon/</a>

组件	老版本	新版本	上游URL
<i>python-decorator</i>	2.3.2	3.0.1	<a href="http://www.phyast.pitt.edu/~micheles/python/documentation.html">http://www.phyast.pitt.edu/~micheles/python/documentation.html</a>
<i>python-dns</i>	1.6.0	1.7.1	<a href="http://www.dnspython.org/">http://www.dnspython.org/</a>
<i>python-fedora</i>	0.3.12	0.3.16	<a href="https://fedorahosted.org/python-fedora/">https://fedorahosted.org/python-fedora/</a>
<i>python-firkin</i>	new	0.02	<a href="http://www.florian-diesch.de/software/firkin/">http://www.florian-diesch.de/software/firkin/</a>
<i>python-foolscap</i>	new	0.4.2	<a href="http://foolscap.lothar.com">http://foolscap.lothar.com</a>
<i>python-gammu</i>	1.23.92	1.25.0	<a href="http://cihar.com/gammu/">http://cihar.com/gammu/</a>
<i>python-gdata</i>	1.3.0	2.0.2	<a href="http://code.google.com/p/gdata-python-client/">http://code.google.com/p/gdata-python-client/</a>
<i>python-gnutls</i>	new	1.1.9	<a href="http://pypi.python.org/pypi/python-gnutls">http://pypi.python.org/pypi/python-gnutls</a>
<i>python-gpod</i>	0.7.0	0.7.2	<a href="http://www.gtkpod.org/libgpod.html">http://www.gtkpod.org/libgpod.html</a>
<i>python-hash_ring</i>	new	1.2	<a href="http://pypi.python.org/pypi/hash_ring">http://pypi.python.org/pypi/hash_ring</a>
<i>python-igraph</i>	0.5.1	0.5.2	<a href="http://pypi.python.org/pypi/igraph-0.5.2">http://pypi.python.org/pypi/igraph-0.5.2</a>
<i>python-jinja2</i>	2.1.1	2.2.1	<a href="http://jinja.pocoo.org/">http://jinja.pocoo.org/</a>
<i>python-json</i>	3.4	dropped	<a href="https://sourceforge.net/projects/json-py/">https://sourceforge.net/projects/json-py/</a>
<i>python-kaa-base</i>	0.4.0	0.6.0	<a href="http://www.freevo.org/kaa">http://www.freevo.org/kaa</a>
<i>python-kaa-display</i>	new	0.1.0	<a href="http://www.freevo.org/kaa">http://www.freevo.org/kaa</a>
<i>python-kaa-metadata</i>	0.7.5	0.7.7	<a href="http://www.freevo.org/kaa">http://www.freevo.org/kaa</a>
<i>python-line_profiler</i>	new	1.0	<a href="http://packages.python.org/line_profiler">http://packages.python.org/line_profiler</a>
<i>python-lockfile</i>	new	0.8	<a href="http://pypi.python.org/pypi/lockfile">http://pypi.python.org/pypi/lockfile</a>
<i>python-logilab-astng</i>	0.17.4	0.19.1	<a href="http://www.logilab.org/projects/astng/">http://www.logilab.org/projects/astng/</a>

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<i>python-markdown</i>	1.7	2.0.1	<a href="http://www.freewisdom.org/projects/python-markdown/">http://www.freewisdom.org/projects/python-markdown/</a>
<i>python-markdown2</i>	1.0.1.11	1.0.1.15	<a href="http://code.google.com/p/python-markdown2/">http://code.google.com/p/python-markdown2/</a>
<i>python-migrate</i>	0.5.1.2	0.5.3	<a href="http://code.google.com/p/sqlalchemy-migrate/">http://code.google.com/p/sqlalchemy-migrate/</a>
<i>python-mutagen</i>	1.15	1.16	<a href="http://code.google.com/p/mutagen">http://code.google.com/p/mutagen</a>
<i>python-mwlib</i>	0.9.10	0.11.2	<a href="http://code.pediapress.com/">http://code.pediapress.com/</a>
<i>python-nss</i>	0.1	0.8	<a href="http://pserver.anonymous@cvs-mirror.mozilla.org:/cvsroot/mozilla/security/python/nss">:pserver:anonymous@cvs-mirror.mozilla.org:/cvsroot/mozilla/security/python/nss</a>
<i>python-numdisplay</i>	1.5.3	1.5.4	<a href="http://stsdas.stsci.edu/numdisplay">http://stsdas.stsci.edu/numdisplay</a>
<i>python-offtrac</i>	new	0.0.3	<a href="http://fedorahosted.org/offtrac">http://fedorahosted.org/offtrac</a>
<i>python-paida</i>	new	3.2.1_2.10.1	<a href="http://paida.sourceforge.net">http://paida.sourceforge.net</a>
<i>python-pefile</i>	new	1.2.10_63	<a href="http://code.google.com/p/pefile/">http://code.google.com/p/pefile/</a>
<i>python-polib</i>	0.4.0	0.4.2	<a href="http://code.google.com/p/polib/">http://code.google.com/p/polib/</a>
<i>python-posix_ipc</i>	new	0.5.3	<a href="http://semanchuk.com/philip/posix_ipc/">http://semanchuk.com/philip/posix_ipc/</a>
<i>python-py</i>	0.9.2	1.0.2	<a href="http://codespeak.net/py/dist/">http://codespeak.net/py/dist/</a>
<i>python-pytools</i>	new	8	<a href="http://pypi.python.org/pypi/pytools">http://pypi.python.org/pypi/pytools</a>
<i>python-repoze-what</i>	new	1.0.8	<a href="http://pypi.python.org/pypi/repoze.what">http://pypi.python.org/pypi/repoze.what</a>
<i>python-repoze-what-plugins-sql</i>	new	1.0	<a href="http://code.gustavonarea.net/repoze.what.plugins.sql/">http://code.gustavonarea.net/repoze.what.plugins.sql/</a>
<i>python-repoze-what-pylons</i>	new	1.0	<a href="http://code.gustavonarea.net/repoze.what-pylons/">http://code.gustavonarea.net/repoze.what-pylons/</a>
<i>python-repoze-what-quickstart</i>	new	1.0.1	<a href="http://code.gustavonarea.net/repoze.what-pylons/">http://code.gustavonarea.net/repoze.what-pylons/</a>



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<i>python-repoze-who</i>	new	1.0.13	<a href="http://pypi.python.org/pypi/repoze.who">http://pypi.python.org/pypi/repoze.who</a>
<i>python-repoze-who-friendlyform</i>	new	1.0	<a href="http://code.gustavonarea.net/repoze.who-friendlyform/">http://code.gustavonarea.net/repoze.who-friendlyform/</a>
<i>python-repoze-who-plugins-sa</i>	new	1.0	<a href="http://code.gustavonarea.net/repoze.who.plugins.sa">http://code.gustavonarea.net/repoze.who.plugins.sa</a>
<i>python-repoze-who-testutil</i>	new	1.0	<a href="http://code.gustavonarea.net/repoze.who-testutil/">http://code.gustavonarea.net/repoze.who-testutil/</a>
<i>python-ropes</i>	0.9.1	0.9.2	<a href="http://ropes.sourceforge.net/">http://ropes.sourceforge.net/</a>
<i>python-routes</i>	1.10.1	1.10.3	<a href="http://routes.groovie.org/">http://routes.groovie.org/</a>
<i>python-shove</i>	0.1.3	0.2.1	<a href="http://pypi.python.org/pypi/shove/">http://pypi.python.org/pypi/shove/</a>
<i>python-simpy</i>	2.0	2.0.1	<a href="http://simpy.sourceforge.net">http://simpy.sourceforge.net</a>
<i>python-sprox</i>	new	0.6.3	<a href="http://sprox.org">http://sprox.org</a>
<i>python-sqlite2</i>	2.3.3	2.3.5	<a href="http://pysqlite.org/">http://pysqlite.org/</a>
<i>python-sqlparse</i>	new	0.1.1	<a href="http://code.google.com/p/python-sqlparse/">http://code.google.com/p/python-sqlparse/</a>
<i>python-storm</i>	0.14	0.15	<a href="https://storm.canonical.com/">https://storm.canonical.com/</a>
<i>python-sybase</i>	new	0.39	<a href="http://python-sybase.sourceforge.net/">http://python-sybase.sourceforge.net/</a>
<i>python-telepathy</i>	0.15.7	0.15.11	<a href="http://telepathy.freedesktop.org/wiki/">http://telepathy.freedesktop.org/wiki/</a>
<i>python-tempita</i>	0.3	0.4	<a href="http://pythonpaste.org/tempita/">http://pythonpaste.org/tempita/</a>
<i>python-test</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>
<i>python-testosterone</i>	new	0.4.1	<a href="http://code.google.com/p/testosterone/">http://code.google.com/p/testosterone/</a>
<i>python-tgext-admin</i>	new	0.2.5	<a href="http://pypi.python.org/pypi/tgext.admin/">http://pypi.python.org/pypi/tgext.admin/</a>
<i>python-tgext-crud</i>	new	0.2.4	<a href="http://pypi.python.org/pypi/tgext.crud/">http://pypi.python.org/pypi/tgext.crud/</a>
<i>python-toscawidgets</i>	0.9.4	0.9.8	<a href="http://toscawidgets.org/">http://toscawidgets.org/</a>
<i>python-tw-forms</i>	0.9.2	0.9.8	<a href="http://toscawidgets.org/">http://toscawidgets.org/</a>

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<i>python-tw-jquery</i>	new	0.9.5	<a href="http://toscawidgets.org">http://toscawidgets.org</a>
<i>python-urllib2_kerberos</i>	new	0.1.6	<a href="http://pypi.python.org/pypi/urllib2_kerberos/">http://pypi.python.org/pypi/urllib2_kerberos/</a>
<i>python-virtualenv</i>	1.3.2	1.3.3	<a href="http://pypi.python.org/pypi/virtualenv">http://pypi.python.org/pypi/virtualenv</a>
<i>python-webflash</i>	new	0.1	<a href="http://python-rum.org/wiki/WebFlash">http://python-rum.org/wiki/WebFlash</a>
<i>python-webtest</i>	1.1	1.2	<a href="http://pythonpaste.org/webtest/">http://pythonpaste.org/webtest/</a>
<i>python-wokkel</i>	0.4.0	0.6.3	<a href="http://wokkel.ik.nu">http://wokkel.ik.nu</a>
<i>python-wsgiref</i>	new	0.1.2	<a href="http://pypi.python.org/pypi/wsgiref">http://pypi.python.org/pypi/wsgiref</a>
<i>python-xklavier</i>	new	0.2	<a href="http://download.sugarlabs.org/sources/external/python-xklavier/">http://download.sugarlabs.org/sources/external/python-xklavier/</a>
<i>python-xmpp</i>	0.4.1	0.5.0	<a href="http://xmpppy.sourceforge.net/">http://xmpppy.sourceforge.net/</a>
<i>python-zc-lockfile</i>	new	1.0.0	<a href="http://pypi.python.org/pypi/zc.lockfile/">http://pypi.python.org/pypi/zc.lockfile/</a>
<i>python-zope-event</i>	new	3.4.1	<a href="http://pypi.python.org/pypi/zope.event/">http://pypi.python.org/pypi/zope.event/</a>
<i>python-zope-sqlalchemy</i>	0.3	0.4	<a href="http://pypi.python.org/pypi/zope.sqlalchemy">http://pypi.python.org/pypi/zope.sqlalchemy</a>
<i>python-zope-testing</i>	new	3.7.3	<a href="http://pypi.python.org/pypi/zope.testing">http://pypi.python.org/pypi/zope.testing</a>
<i>pytrainer</i>	1.6.0.7	1.6.0.8	<a href="https://sourceforge.net/projects/pytrainer/">https://sourceforge.net/projects/pytrainer/</a>
<i>pywebdav</i>	0.8	0.9.3	<a href="http://www.webdav.de/">http://www.webdav.de/</a>
<i>pywebkitgtk</i>	1.0.1	1.1.6	<a href="http://code.google.com/p/pywebkitgtk/">http://code.google.com/p/pywebkitgtk/</a>
<i>qmforge</i>	new	2.1	<a href="http://qmforge.sourceforge.net/">http://qmforge.sourceforge.net/</a>
<i>qyoto</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>qyoto-devel</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>rakudo</i>	new	0.0.2009.09_1.6.0	<a href="http://www.rakudo.org/">http://www.rakudo.org/</a>

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<i>rb_libtorrent-python</i>	0.14.2	0.14.4	<a href="http://www.rasterbar.com/products/libtorrent/">http://www.rasterbar.com/products/libtorrent/</a>
<i>rrdtool-perl</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/rrdtool/</a>
<i>rrdtool-php</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/rrdtool/</a>
<i>rrdtool-python</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/rrdtool/</a>
<i>rrdtool-ruby</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/rrdtool/</a>
<i>rrdtool-tcl</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/rrdtool/</a>
<i>ruby</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>ruby-RMagick</i>	2.9.1	2.12.2	<a href="http://rmagick.rubyforge.org/">http://rmagick.rubyforge.org/</a>
<i>ruby-augeas</i>	0.2.0	0.3.0	<a href="http://augeas.net">http://augeas.net</a>
<i>ruby-aws</i>	0.5.1	0.7.0	<a href="http://www.caliban.org/ruby/ruby-aws/">http://www.caliban.org/ruby/ruby-aws/</a>
<i>ruby-devel</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>ruby-flexmock</i>	0.7.1	0.8.6	<a href="http://flexmock.rubyforge.org">http://flexmock.rubyforge.org</a>
<i>ruby-gettext-package</i>	2.0.0	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext">http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext</a>
<i>ruby-htmlentities</i>	4.0.0	4.2.0	<a href="http://htmlentities.rubyforge.org/">http://htmlentities.rubyforge.org/</a>
<i>ruby-icon-artist</i>	new	0.1.91	<a href="https://fedorahosted.org/echo-icon-theme/">https://fedorahosted.org/echo-icon-theme/</a>
<i>ruby-irb</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>ruby-json</i>	new	1.1.7	<a href="http://json.rubyforge.org">http://json.rubyforge.org</a>
<i>ruby-locale</i>	2.0.0	2.0.4	<a href="http://locale.rubyforge.org/">http://locale.rubyforge.org/</a>
<i>ruby-mechanize</i>	0.9.2	0.9.3	<a href="http://mechanize.rubyforge.org/">http://mechanize.rubyforge.org/</a>

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<i>ruby-nokogiri</i>	1.2.3	1.3.3	<a href="http://nokogiri.rubyforge.org/nokogiri/">http://nokogiri.rubyforge.org/nokogiri/</a>
<i>ruby-opengl</i>	new	0.60.1	<a href="http://ruby-opengl.rubyforge.org/">http://ruby-opengl.rubyforge.org/</a>
<i>ruby-rdoc</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>ruby-sqlite3</i>	1.2.1	1.2.4	<a href="http://sqlite-ruby.rubyforge.org/sqlite3">http://sqlite-ruby.rubyforge.org/sqlite3</a>
<i>ruby-tcltk</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>rubygem-RedCloth</i>	new	4.1.9	<a href="http://redcloth.org">http://redcloth.org</a>
<i>rubygem-actionmailer</i>	2.3.2	2.3.4	<a href="http://www.rubyonrails.org">http://www.rubyonrails.org</a>
<i>rubygem-actionpack</i>	2.3.2	2.3.4	<a href="http://www.rubyonrails.org">http://www.rubyonrails.org</a>
<i>rubygem-activeldap</i>	1.0.2	1.2.0	<a href="http://rubyforge.org/projects/ruby-activeldap/">http://rubyforge.org/projects/ruby-activeldap/</a>
<i>rubygem-activerecord</i>	2.3.2	2.3.4	<a href="http://www.rubyonrails.org">http://www.rubyonrails.org</a>
<i>rubygem-activeresource</i>	2.3.2	2.3.4	<a href="http://www.rubyonrails.org">http://www.rubyonrails.org</a>
<i>rubygem-activesupport</i>	2.3.2	2.3.4	<a href="http://www.rubyonrails.org">http://www.rubyonrails.org</a>
<i>rubygem-allison</i>	new	2.0.3	<a href="http://github.com/fauna/allison/tree/master">http://github.com/fauna/allison/tree/master</a>
<i>rubygem-arrayfields</i>	4.7.2	4.7.4	<a href="http://codeforpeople.com/lib/ruby/arrayfields/">http://codeforpeople.com/lib/ruby/arrayfields/</a>
<i>rubygem-bacon</i>	new	1.1.0	<a href="http://chneukirchen.org/repos/bacon">http://chneukirchen.org/repos/bacon</a>
<i>rubygem-cobbler</i>	0.1.3	1.6.1	<a href="http://cobbler.et.redhat.com/">http://cobbler.et.redhat.com/</a>
<i>rubygem-coderay</i>	new	0.8.312	<a href="http://coderay.rubychan.de">http://coderay.rubychan.de</a>
<i>rubygem-configuration</i>	new	0.0.5	<a href="http://codeforpeople.com/lib/ruby/configuration/">http://codeforpeople.com/lib/ruby/configuration/</a>
<i>rubygem-daemons</i>	1.0.7	1.0.10	<a href="http://daemons.rubyforge.org">http://daemons.rubyforge.org</a>

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<i>rubygem-diff-lcs</i>	new	1.1.2	<a href="http://rubyforge.org/projects/rwiki/">http://rubyforge.org/projects/rwiki/</a>
<i>rubygem-facade</i>	new	1.0.4	<a href="http://raa.ruby-lang.org/project/facade">http://raa.ruby-lang.org/project/facade</a>
<i>rubygem-fastercsv</i>	new	1.5.0	<a href="http://fastercsv.rubyforge.org/">http://fastercsv.rubyforge.org/</a>
<i>rubygem-fastthread</i>	1.0.1	1.0.7	<a href="http://mongrel.rubyforge.org">http://mongrel.rubyforge.org</a>
<i>rubygem-fattr</i>	new	1.0.3	<a href="http://rubyforge.org/projects/codeforpeople/">http://rubyforge.org/projects/codeforpeople/</a>
<i>rubygem-ferret</i>	new	0.11.6	<a href="http://rubyforge.org/projects/ferret/">http://rubyforge.org/projects/ferret/</a>
<i>rubygem-flexmock</i>	new	0.8.6	<a href="http://flexmock.rubyforge.org">http://flexmock.rubyforge.org</a>
<i>rubygem-gettext</i>	2.0.0	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext">http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext</a>
<i>rubygem-gettext_activerecord</i>	new	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext-rails.html">http://www.yotabanana.com/hiki/ruby-gettext-rails.html</a>
<i>rubygem-gettext_rails</i>	new	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext-rails.html">http://www.yotabanana.com/hiki/ruby-gettext-rails.html</a>
<i>rubygem-gruff</i>	0.3.4	0.3.6	<a href="http://nubyonrails.com/pages/gruff">http://nubyonrails.com/pages/gruff</a>
<i>rubygem-hoe</i>	1.12.1	2.3.3	<a href="http://rubyforge.org/projects/seattlerb/">http://rubyforge.org/projects/seattlerb/</a>
<i>rubygem-htmllentities</i>	4.0.0	4.2.0	<a href="http://htmllentities.rubyforge.org/">http://htmllentities.rubyforge.org/</a>
<i>rubygem-json</i>	new	1.1.7	<a href="http://json.rubyforge.org">http://json.rubyforge.org</a>
<i>rubygem-locale</i>	2.0.0	2.0.4	<a href="http://locale.rubyforge.org/">http://locale.rubyforge.org/</a>
<i>rubygem-locale_rails</i>	new	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-locale-rails.html">http://www.yotabanana.com/hiki/ruby-locale-rails.html</a>
<i>rubygem-main</i>	2.8.3	2.8.4	<a href="http://codeforpeople.com/lib/ruby/main/">http://codeforpeople.com/lib/ruby/main/</a>

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<i>rubygem-mechanize</i>	0.9.2	0.9.3	<a href="http://mechanize.rubyforge.org/">http://mechanize.rubyforge.org/</a>
<i>rubygem-mkrf</i>	new	0.2.3	<a href="http://mkrf.rubyforge.org/">http://mkrf.rubyforge.org/</a>
<i>rubygem-mocha</i>	new	0.9.7	<a href="http://mocha.rubyforge.org">http://mocha.rubyforge.org</a>
<i>rubygem-nokogiri</i>	1.2.3	1.3.3	<a href="http://nokogiri.rubyforge.org/nokogiri/">http://nokogiri.rubyforge.org/nokogiri/</a>
<i>rubygem-picnic</i>	0.7.1	0.8.1	<a href="http://rubyforge.org/projects/picnic/">http://rubyforge.org/projects/picnic/</a>
<i>rubygem-polyglot</i>	new	0.2.5	<a href="http://polyglot.rubyforge.org">http://polyglot.rubyforge.org</a>
<i>rubygem-rack</i>	0.9.1	1.0.0	<a href="http://rubyforge.org/projects/rack/">http://rubyforge.org/projects/rack/</a>
<i>rubygem-rack-test</i>	new	0.4.0	<a href="http://gitrdoc.com/brynary/rack-test/tree/master">http://gitrdoc.com/brynary/rack-test/tree/master</a>
<i>rubygem-rails</i>	2.3.2	2.3.4	<a href="http://www.rubyonrails.org">http://www.rubyonrails.org</a>
<i>rubygem-rake</i>	0.8.4	0.8.7	<a href="http://rake.rubyforge.org">http://rake.rubyforge.org</a>
<i>rubygem-rake-compiler</i>	new	0.6.0	<a href="http://rake-compiler.rubyforge.org/">http://rake-compiler.rubyforge.org/</a>
<i>rubygem-reststop</i>	0.3.0	0.4.0	<a href="http://rubyforge.org/projects/reststop/">http://rubyforge.org/projects/reststop/</a>
<i>rubygem-rspec</i>	1.2.2	1.2.7	<a href="http://rspec.rubyforge.org">http://rspec.rubyforge.org</a>
<i>rubygem-rubigen</i>	new	1.5.2	<a href="http://drnic.github.com/rubigen">http://drnic.github.com/rubigen</a>
<i>rubygem-ruby-opengl</i>	new	0.60.1	<a href="http://ruby-opengl.rubyforge.org/">http://ruby-opengl.rubyforge.org/</a>
<i>rubygem-rubyforge</i>	1.0.3	1.0.5	<a href="http://rubyforge.org/projects/codeforpeople">http://rubyforge.org/projects/codeforpeople</a>
<i>rubygem-rufus-scheduler</i>	new	2.0.1	<a href="http://openwferu.rubyforge.org/scheduler.html">http://openwferu.rubyforge.org/scheduler.html</a>
<i>rubygem-state_machine</i>	new	0.8.0	<a href="http://www.pluginaweek.org">http://www.pluginaweek.org</a>
<i>rubygem-syntax</i>	new	1.0.0	<a href="http://syntax.rubyforge.org/">http://syntax.rubyforge.org/</a>
<i>rubygem-term-ansicolor</i>	new	1.0.3	<a href="http://term-ansicolor.rubyforge.org">http://term-ansicolor.rubyforge.org</a>

组件	老版本	新版本	上游URL
<i>rubygem-test-spec</i>	new	0.10.0	<a href="http://test-spec.rubyforge.org">http://test-spec.rubyforge.org</a>
<i>rubygem-treetop</i>	new	1.3.0	<a href="http://treetop.rubyforge.org/">http://treetop.rubyforge.org/</a>
<i>sbcl</i>	1.0.26	1.0.30	<a href="http://sbcl.sourceforge.net/">http://sbcl.sourceforge.net/</a>
<i>scala</i>	2.7.3	2.7.5	<a href="http://www.scala-lang.org/">http://www.scala-lang.org/</a>
<i>scala-examples</i>	2.7.3	2.7.5	<a href="http://www.scala-lang.org/">http://www.scala-lang.org/</a>
<i>setools-libs-java</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>setools-libs-python</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>setools-libs-tcl</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>slang-slsh</i>	2.1.4	2.2.1	<a href="http://www.jedsoft.org/slang/">http://www.jedsoft.org/slang/</a>
<i>slib</i>	3b1	3b2	<a href="http://swissnet.ai.mit.edu/~jaffer/SLIB.html">http://swissnet.ai.mit.edu/~jaffer/SLIB.html</a>
<i>snobol</i>	4.1.1	4.1.2	<a href="http://www.snobol4.org">http://www.snobol4.org</a>
<i>snobol-devel</i>	4.1.1	4.1.2	<a href="http://www.snobol4.org">http://www.snobol4.org</a>
<i>sqlite-tcl</i>	3.6.12	3.6.17	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<i>squeak-vm</i>	3.10.4	3.10.5	<a href="http://squeakvm.org/unix">http://squeakvm.org/unix</a>
<i>squeak-vm-nonXOplugins</i>	3.10.4	3.10.5	<a href="http://squeakvm.org/unix">http://squeakvm.org/unix</a>
<i>squeal</i>	new	0.4.1	<a href="https://fedorahosted.org/squeal">https://fedorahosted.org/squeal</a>
<i>tcl</i>	8.5.6	8.5.7	<a href="http://tcl.sourceforge.net/">http://tcl.sourceforge.net/</a>
<i>tcl-devel</i>	8.5.6	8.5.7	<a href="http://tcl.sourceforge.net/">http://tcl.sourceforge.net/</a>
<i>tk</i>	8.5.6	8.5.7	<a href="http://tcl.sourceforge.net">http://tcl.sourceforge.net</a>
<i>tk-devel</i>	8.5.6	8.5.7	<a href="http://tcl.sourceforge.net">http://tcl.sourceforge.net</a>
<i>tkinter</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>
<i>translation-filter</i>	0.0.2	1.0	<a href="http://fedorahosted.org/translation-filter">http://fedorahosted.org/translation-filter</a>

组件	老版本	新版本	上游URL
<i>translation-filter-kde</i>	new	1.0	<a href="http://fedorahosted.org/translation-filter">http://fedorahosted.org/translation-filter</a>
<i>vala</i>	0.5.7	0.7.5	<a href="http://live.gnome.org/Vala">http://live.gnome.org/Vala</a>
<i>vala-tools</i>	0.5.7	0.7.5	<a href="http://live.gnome.org/Vala">http://live.gnome.org/Vala</a>
<i>vips-python</i>	7.16.4	7.18.2	<a href="http://www.vips.ecs.soton.ac.uk/">http://www.vips.ecs.soton.ac.uk/</a>
<i>wannier90-devel</i>	new	1.1	<a href="http://wannier.org/">http://wannier.org/</a>
<i>yap</i>	5.1.1	5.1.3	<a href="http://www.ncc.up.pt/~vsc/Yap">http://www.ncc.up.pt/~vsc/Yap</a>
<i>yap-devel</i>	5.1.1	5.1.3	<a href="http://www.ncc.up.pt/~vsc/Yap">http://www.ncc.up.pt/~vsc/Yap</a>
<i>yap-docs</i>	5.1.1	5.1.3	<a href="http://www.ncc.up.pt/~vsc/Yap">http://www.ncc.up.pt/~vsc/Yap</a>

表 29. All Development-Languages changes (cont'd)

已更改软件包	438
未更改软件包	333
软件包总数	771

#### 8.4.6. 开发-库-Java

组件	老版本	新版本	上游URL
<i>automaton</i>	1.11r1	1.11r2	<a href="http://www.brics.dk/automaton/">http://www.brics.dk/automaton/</a>
<i>bsf</i>	2.3.0	2.4.0	<a href="http://jakarta.apache.org/bsf/">http://jakarta.apache.org/bsf/</a>
<i>gnu-getopt</i>	1.0.12	1.0.13	<a href="http://www.urbanophile.com/arenn/hacking/download.html">http://www.urbanophile.com/arenn/hacking/download.html</a>
<i>icu4j</i>	3.8.1	4.0.1	<a href="http://www-306.ibm.com/software/globalization/icu/index.jsp">http://www-306.ibm.com/software/globalization/icu/index.jsp</a>
<i>jakarta-commons-io</i>	1.3.2	1.4	<a href="http://commons.apache.org/io/">http://commons.apache.org/io/</a>
<i>jakarta-commons-net</i>	1.4.1	2.0	<a href="http://commons.apache.org/net/">http://commons.apache.org/net/</a>



组件	老版本	新版本	上游URL
<i>jdepend</i>	2.6	2.9	<a href="http://www.clarkware.com/">http://www.clarkware.com/</a>
<i>jdepend-demo</i>	2.6	2.9	<a href="http://www.clarkware.com/">http://www.clarkware.com/</a>
<i>jsch</i>	0.1.39	0.1.41	<a href="http://www.jcraft.com/jsch/">http://www.jcraft.com/jsch/</a>
<i>maven-shared-ant</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-app-configuration-model</i>	new	1.1	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-app-configuration-web</i>	new	1.1	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-archiver</i>	new	2.3	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-common-artifact-filters</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-dependency-analyzer</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-dependency-tree</i>	new	1.1	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-downloader</i>	new	1.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-invoker</i>	new	2.0.7	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-io</i>	new	1.1	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-jar</i>	new	1.1	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-model-converter</i>	new	2.3	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>

组件	老版本	新版本	上游URL
<i>maven-shared-monitor</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-osgi</i>	new	0.2.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-testing-harness</i>	1.0	1.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-testing-tools</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-tools-ant</i>	new	2.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-tools-api</i>	new	2.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-tools-beanshell</i>	new	2.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-tools-java</i>	new	2.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-plugin-tools-model</i>	new	2.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-reporting-impl</i>	new	2.1	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-repository-builder</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-test-tools</i>	new	1.0	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-verifier</i>	new	1.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>qdox</i>	1.6.1	1.9.2	<a href="http://qdox.codehaus.org/">http://qdox.codehaus.org/</a>

表 30. 开发-库-Java的所有更新

已更改软件包	35
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未更改软件包	56
软件包总数	91

#### 8.4.7. 开发-库

组件	老版本	新版本	上游URL
<i>389-adminutil</i>	new	1.1.8	<a href="http://port389.org/wiki/AdminUtil">http://port389.org/wiki/AdminUtil</a>
<i>389-adminutil-devel</i>	new	1.1.8	<a href="http://port389.org/wiki/AdminUtil">http://port389.org/wiki/AdminUtil</a>
<i>389-ds-base-devel</i>	new	1.2.3	<a href="http://port389.org/">http://port389.org/</a>
<i>CCfits</i>	2.1	2.2	<a href="http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits">http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits</a>
<i>CCfits-devel</i>	2.1	2.2	<a href="http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits">http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits</a>
<i>CGAL-devel</i>	3.3.1	3.5	<a href="http://www.cgal.org/">http://www.cgal.org/</a>
<i>ClanLib-devel</i>	0.8.1	1.0.0	<a href="http://www.clanlib.org/">http://www.clanlib.org/</a>
<i>ConsoleKit-devel</i>	0.3.0	0.4.1	<a href="http://www.freedesktop.org/wiki/Software/ConsoleKit">http://www.freedesktop.org/wiki/Software/ConsoleKit</a>
<i>ConsoleKit-docs</i>	0.3.0	0.4.1	<a href="http://www.freedesktop.org/wiki/Software/ConsoleKit">http://www.freedesktop.org/wiki/Software/ConsoleKit</a>
<i>ConsoleKit-libs</i>	0.3.0	0.4.1	<a href="http://www.freedesktop.org/wiki/Software/ConsoleKit">http://www.freedesktop.org/wiki/Software/ConsoleKit</a>
<i>ConsoleKit-x11</i>	0.3.0	0.4.1	<a href="http://www.freedesktop.org/wiki/Software/ConsoleKit">http://www.freedesktop.org/wiki/Software/ConsoleKit</a>
<i>DeviceKit-devel</i>	003	dropped	<a href="http://gitweb.freedesktop.org/?p=users/david/DeviceKit.git;a=summary">http://gitweb.freedesktop.org/?p=users/david/DeviceKit.git;a=summary</a>
<i>DeviceKit-disks-devel</i>	004	009	<a href="http://cgit.freedesktop.org/DeviceKit/DeviceKit-disks/">http://cgit.freedesktop.org/DeviceKit/DeviceKit-disks/</a>

组件	老版本	新版本	上游URL
<i>DeviceKit-power-devel</i>	008	012	<a href="http://cgit.freedesktop.org/DeviceKit/DeviceKit-power/">http://cgit.freedesktop.org/DeviceKit/DeviceKit-power/</a>
<i>Falcon-devel</i>	0.8.14.2	0.9.4.2	<a href="http://www.falconpl.org/">http://www.falconpl.org/</a>
<i>GConf2-devel</i>	2.26.0	2.28.0	<a href="http://projects.gnome.org/gconf/">http://projects.gnome.org/gconf/</a>
<i>GMT-devel</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-octave</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GMT-static</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GeoIP</i>	1.4.6	1.4.7	<a href="http://www.maxmind.com/app/c">http://www.maxmind.com/app/c</a>
<i>GeoIP-devel</i>	1.4.6	1.4.7	<a href="http://www.maxmind.com/app/c">http://www.maxmind.com/app/c</a>
<i>GraphicsMagick-c++-devel</i>	1.1.14	1.3.7	<a href="http://www.graphicsmagick.org/">http://www.graphicsmagick.org/</a>
<i>GraphicsMagick-devel</i>	1.1.14	1.3.7	<a href="http://www.graphicsmagick.org/">http://www.graphicsmagick.org/</a>
<i>GtkAda-devel</i>	2.10.2	2.14.0	<a href="https://libre.adacore.com/GtkAda/">https://libre.adacore.com/GtkAda/</a>
<i>GtkAda-gl</i>	new	2.14.0	<a href="https://libre.adacore.com/GtkAda/">https://libre.adacore.com/GtkAda/</a>
<i>GtkAda-glade</i>	new	2.14.0	<a href="https://libre.adacore.com/GtkAda/">https://libre.adacore.com/GtkAda/</a>
<i>GtkAda-gnome</i>	new	2.14.0	<a href="https://libre.adacore.com/GtkAda/">https://libre.adacore.com/GtkAda/</a>
<i>ImageMagick-c++-devel</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>ImageMagick-devel</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>LuxRender-devel</i>	new	0.5	<a href="http://www.luxrender.net">http://www.luxrender.net</a>

组件	老版本	新版本	上游URL
<i>MySQL-python</i>	1.2.2	1.2.3	<a href="http://sourceforge.net/projects/mysql-python/">http://sourceforge.net/projects/mysql-python/</a>
<i>NetworkManager-devel</i>	0.7.1	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>NetworkManager-glib</i>	0.7.1	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>NetworkManager-glib-devel</i>	0.7.1	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>PackageKit-backend-devel</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-browser-plugin</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-command-not-found</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-device-rebind</i>	new	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-docs</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-glib</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-glib-devel</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-gstreamer-plugin</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-gtk-module</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-qt</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-qt-devel</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PgsLookAndFeel</i>	new	1.1	<a href="https://pgslookandfeel.dev.java.net/">https://pgslookandfeel.dev.java.net/</a>
<i>Pixie-devel</i>	2.2.5	2.2.6	<a href="http://www.renderpixie.com/">http://www.renderpixie.com/</a>
<i>PolicyKit-devel</i>	0.9	dropped	<a href="http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary">http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary</a>
<i>PolicyKit-docs</i>	0.9	dropped	<a href="http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary">http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary</a>

组件	老版本	新版本	上游URL
<i>PolicyKit-gnome-demo</i>	0.9.2	dropped	<a href="http://svn.gnome.org/viewvc/policykit-gnome/trunk">http://svn.gnome.org/viewvc/policykit-gnome/trunk</a>
<i>PolicyKit-gnome-devel</i>	0.9.2	dropped	<a href="http://svn.gnome.org/viewvc/policykit-gnome/trunk">http://svn.gnome.org/viewvc/policykit-gnome/trunk</a>
<i>PolicyKit-gnome-libs</i>	0.9.2	dropped	<a href="http://svn.gnome.org/viewvc/policykit-gnome/trunk">http://svn.gnome.org/viewvc/policykit-gnome/trunk</a>
<i>R-Biostrings-devel</i>	new	2.12.9	<a href="http://bioconductor.org/packages/2.4/bioc/html/Biostrings.html">http://bioconductor.org/packages/2.4/bioc/html/Biostrings.html</a>
<i>R-BufferedMatrix-devel</i>	1.6.0	1.8.0	<a href="http://bioconductor.org/packages/release/bioc/html/BufferedMatrix.html">http://bioconductor.org/packages/release/bioc/html/BufferedMatrix.html</a>
<i>R-IRanges-devel</i>	1.1.55	1.2.3	<a href="http://bioconductor.org/packages/2.4/bioc/html/IRanges.html">http://bioconductor.org/packages/2.4/bioc/html/IRanges.html</a>
<i>R-preprocessCore-devel</i>	new	1.6.0	<a href="http://bioconductor.org/packages/2.4/bioc/html/preprocessCore.html">http://bioconductor.org/packages/2.4/bioc/html/preprocessCore.html</a>
<i>RasmusDSP</i>	new	0.1	<a href="http://sourceforge.net/projects/rasmusdsp">http://sourceforge.net/projects/rasmusdsp</a>
<i>SDL_image-devel</i>	1.2.6	1.2.7	<a href="http://www.libsdl.org/projects/SDL_image/">http://www.libsdl.org/projects/SDL_image/</a>
<i>TeXmacs-devel</i>	1.0.7.1	1.0.7.2	<a href="http://www.texmacs.org">http://www.texmacs.org</a>
<i>abrt-devel</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>afflib-devel</i>	3.3.4	3.4.1	<a href="http://www.afflib.org">http://www.afflib.org</a>
<i>akonadi-devel</i>	1.1.2	1.2.1	<a href="http://download.akonadi-project.org/">http://download.akonadi-project.org/</a>
<i>alsa-lib-devel</i>	1.0.20	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>anerley-devel</i>	new	0.1.7	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>anjuta-devel</i>	2.26.1.0	2.28.1.0	<a href="http://www.anjuta.org/">http://www.anjuta.org/</a>
<i>apbs-devel</i>	new	1.1.0	<a href="http://apbs.sourceforge.net/">http://apbs.sourceforge.net/</a>
<i>apr-devel</i>	1.3.3	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util-devel</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util-freetds</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>

组件	老版本	新版本	上游URL
<i>apr-util-ldap</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util-mysql</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util-odbc</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util-pgsql</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util-sqlite</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>aqsis-devel</i>	1.4.2	1.6.0	<a href="http://www.aqsis.org">http://www.aqsis.org</a>
<i>arm4-devel</i>	0.8.1	0.8.2	<a href="http://www.arm4.org/">http://www.arm4.org/</a>
<i>arm4-java</i>	0.8.1	0.8.2	<a href="http://www.arm4.org/">http://www.arm4.org/</a>
<i>armadillo</i>	new	0.6.12	<a href="http://arma.sourceforge.net/">http:// arma.sourceforge.net/</a>
<i>armadillo-devel</i>	new	0.6.12	<a href="http://arma.sourceforge.net/">http:// arma.sourceforge.net/</a>
<i>asio-devel</i>	1.2.0	1.4.1	<a href="http://sourceforge.net/projects/asio/">http://sourceforge.net/ projects/asio/</a>
<i>asterisk-devel</i>	1.6.1	1.6.1.9	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>at-spi-devel</i>	1.26.0	1.28.1	<a href="http://developer.gnome.org/projects/gap/">http:// developer.gnome.org/ projects/gap/</a>
<i>at-spi-python</i>	1.26.0	1.28.1	<a href="http://developer.gnome.org/projects/gap/">http:// developer.gnome.org/ projects/gap/</a>
<i>atk-devel</i>	1.25.2	1.28.0	<a href="http://developer.gnome.org/projects/gap/">http:// developer.gnome.org/ projects/gap/</a>
<i>audacious-devel</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media- player.org/</a>
<i>audit-libs</i>	1.7.12	2.0.1	<a href="http://people.redhat.com/sgrubb/audit/">http:// people.redhat.com/ sgrubb/audit/</a>
<i>audit-libs-devel</i>	1.7.12	2.0.1	<a href="http://people.redhat.com/sgrubb/audit/">http:// people.redhat.com/ sgrubb/audit/</a>
<i>audit-libs-python</i>	1.7.12	2.0.1	<a href="http://people.redhat.com/sgrubb/audit/">http:// people.redhat.com/ sgrubb/audit/</a>
<i>augeas-devel</i>	0.5.0	0.5.3	<a href="http://augeas.net/">http://augeas.net/</a>
<i>avahi-ui-sharp-devel</i>	new	0.6.25	<a href="http://avahi.org">http://avahi.org</a>
<i>avogadro-devel</i>	0.9.3	1.0.0	<a href="http://avogadro.openmolecules.net/">http:// avogadro.openmolecules.net/</a>
<i>babl-devel</i>	0.0.22	0.1.0	<a href="http://www.gegl.org/babl/">http://www.gegl.org/ babl/</a>

组件	老版本	新版本	上游URL
<i>backport-util-concurrent</i>	new	3.1	<a href="http://backport-jsr166.sourceforge.net">http://backport-jsr166.sourceforge.net</a>
<i>banshee-devel</i>	1.4.3	1.5.1	<a href="http://banshee-project.org/">http://banshee-project.org/</a>
<i>banshee-musicbrainz-devel</i>	1.4.3	1.5.1	<a href="http://banshee-project.org/">http://banshee-project.org/</a>
<i>barry-devel-docs</i>	new	0.15	<a href="http://www.netdirect.ca/downloads/barry">http://www.netdirect.ca/downloads/barry</a>
<i>bes-devel</i>	3.6.2	3.7.2	<a href="http://www.opendap.org/download/BES.html">http://www.opendap.org/download/BES.html</a>
<i>bickley-devel</i>	new	0.4.3	<a href="http://moblin.org/projects/bickley">http://moblin.org/projects/bickley</a>
<i>bitlbee-devel</i>	new	1.2.4	<a href="http://www.bitlbee.org/">http://www.bitlbee.org/</a>
<i>blacs-common</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blacs-lam</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blacs-lam-devel</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blacs-mpich2</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blacs-mpich2-devel</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blacs-openmpi</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blacs-openmpi-devel</i>	new	1.1	<a href="http://www.netlib.org/blacs">http://www.netlib.org/blacs</a>
<i>blas</i>	3.1.1	3.2.1	<a href="http://www.netlib.org/lapack/">http://www.netlib.org/lapack/</a>
<i>blas-devel</i>	3.1.1	3.2.1	<a href="http://www.netlib.org/lapack/">http://www.netlib.org/lapack/</a>
<i>bluez-libs-devel</i>	4.37	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>bognor-regis-devel</i>	new	0.4.10	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>boinc-client-devel</i>	6.4.7	6.6.37	<a href="http://boinc.berkeley.edu/">http://boinc.berkeley.edu/</a>
<i>boinc-client-static</i>	new	6.6.37	<a href="http://boinc.berkeley.edu/">http://boinc.berkeley.edu/</a>
<i>boo-devel</i>	0.8.1.2865	0.9.2.3383	<a href="http://boo.codehaus.org">http://boo.codehaus.org</a>
<i>boost-devel</i>	1.37.0	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-static</i>	1.37.0	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>



组件	老版本	新版本	上游URL
<i>botan-devel</i>	1.8.1	1.8.7	<a href="http://botan.randombit.net/">http:// botan.randombit.net/</a>
<i>bpython</i>	0.7.1	0.9.4	<a href="http://www.bpython-&lt;br/&gt;interpreter.org/">http://www.bpython- interpreter.org/</a>
<i>brasero-devel</i>	2.26.1	2.28.2	<a href="http://www.gnome.org/&lt;br/&gt;projects/brasero/">http://www.gnome.org/ projects/brasero/</a>
<i>bullet</i>	new	2.75	<a href="http://&lt;br/&gt;www.bulletphysics.com">http:// www.bulletphysics.com</a>
<i>bullet-devel</i>	new	2.75	<a href="http://&lt;br/&gt;www.bulletphysics.com">http:// www.bulletphysics.com</a>
<i>c-ares-devel</i>	1.5.3	1.6.0	<a href="http://c-ares.haxx.se/">http://c-ares.haxx.se/</a>
<i>cairo-devel</i>	1.8.6	1.8.8	<a href="http://cairographics.org">http://cairographics.org</a>
<i>cas</i>	0.13	0.14	<a href="http://fedorahosted.org/&lt;br/&gt;cas">http://fedorahosted.org/ cas</a>
<i>cduce</i>	0.5.2.1	0.5.3	<a href="http://www.cduce.org/">http://www.cduce.org/</a>
<i>cduce-devel</i>	0.5.2.1	0.5.3	<a href="http://www.cduce.org/">http://www.cduce.org/</a>
<i>celt-devel</i>	0.5.2	0.7.0	<a href="http://www.celt-&lt;br/&gt;codec.org/">http://www.celt- codec.org/</a>
<i>cfitsio</i>	3.130	3.140	<a href="http://&lt;br/&gt;heasarc.gsfc.nasa.gov/&lt;br/&gt;docs/software/fitsio/&lt;br/&gt;fitsio.html">http:// heasarc.gsfc.nasa.gov/ docs/software/fitsio/ fitsio.html</a>
<i>cfitsio-devel</i>	3.130	3.140	<a href="http://&lt;br/&gt;heasarc.gsfc.nasa.gov/&lt;br/&gt;docs/software/fitsio/&lt;br/&gt;fitsio.html">http:// heasarc.gsfc.nasa.gov/ docs/software/fitsio/ fitsio.html</a>
<i>cfitsio-docs</i>	new	3.140	<a href="http://&lt;br/&gt;heasarc.gsfc.nasa.gov/&lt;br/&gt;docs/software/fitsio/&lt;br/&gt;fitsio.html">http:// heasarc.gsfc.nasa.gov/ docs/software/fitsio/ fitsio.html</a>
<i>cfitsio-static</i>	3.130	3.140	<a href="http://&lt;br/&gt;heasarc.gsfc.nasa.gov/&lt;br/&gt;docs/software/fitsio/&lt;br/&gt;fitsio.html">http:// heasarc.gsfc.nasa.gov/ docs/software/fitsio/ fitsio.html</a>
<i>chameleon</i>	new	0.2	<a href="https://&lt;br/&gt;fedorahosted.org/&lt;br/&gt;chameleon">https:// fedorahosted.org/ chameleon</a>
<i>chealpix-devel</i>	2.11c	2.12a	<a href="http://&lt;br/&gt;healpix.jpl.nasa.gov/">http:// healpix.jpl.nasa.gov/</a>
<i>check-devel</i>	0.9.6	0.9.8	<a href="http://&lt;br/&gt;check.sourceforge.net/">http:// check.sourceforge.net/</a>
<i>check-static</i>	0.9.6	0.9.8	<a href="http://&lt;br/&gt;check.sourceforge.net/">http:// check.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>cherokee-devel</i>	0.99.0	0.99.24	<a href="http://www.cherokee-project.com/">http://www.cherokee-project.com/</a>
<i>chmlib</i>	0.39	0.40	<a href="http://www.jedrea.com/chmlib/">http://www.jedrea.com/chmlib/</a>
<i>chmlib-devel</i>	0.39	0.40	<a href="http://www.jedrea.com/chmlib/">http://www.jedrea.com/chmlib/</a>
<i>chunkd-devel</i>	new	0.4	<a href="http://hail.wiki.kernel.org/">http://hail.wiki.kernel.org/</a>
<i>cim-schema</i>	new	2.22.0	<a href="http://www.dmtf.org/">http://www.dmtf.org/</a>
<i>clamav-devel</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>classads</i>	1.0.1	1.0.4	<a href="http://www.cs.wisc.edu/condor/classad/">http://www.cs.wisc.edu/condor/classad/</a>
<i>claws-mail-devel</i>	3.7.1	3.7.3	<a href="http://claws-mail.org">http://claws-mail.org</a>
<i>cld-devel</i>	new	0.2.1	<a href="http://hail.wiki.kernel.org/">http://hail.wiki.kernel.org/</a>
<i>clips-devel</i>	6.24	6.30.0	<a href="http://clipsrules.sourceforge.net">http://clipsrules.sourceforge.net</a>
<i>clipsmm-devel</i>	0.0.7	0.1.0	<a href="http://clipsmm.sourceforge.net">http://clipsmm.sourceforge.net</a>
<i>cln-devel</i>	1.2.2	1.3.0	<a href="http://www.ginac.de/CLN/">http://www.ginac.de/CLN/</a>
<i>cloog-ppl</i>	0.15	0.15.7	<a href="http://www.cloog.org">http://www.cloog.org</a>
<i>cloog-ppl-devel</i>	0.15	0.15.7	<a href="http://www.cloog.org">http://www.cloog.org</a>
<i>clthreads-devel</i>	new	2.4.0	<a href="http://www.kokkinizita.net/linuxaudio/">http://www.kokkinizita.net/linuxaudio/</a>
<i>cluster-glue-libs</i>	new	1.0	<a href="http://www.clusterlabs.org">http://www.clusterlabs.org</a>
<i>cluster-glue-libs-devel</i>	new	1.0	<a href="http://www.clusterlabs.org">http://www.clusterlabs.org</a>
<i>clusterlib-devel</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>clutter</i>	0.8.6	1.0.6	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>
<i>clutter-caiomm-devel</i>	0.7.4	dropped	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>clutter-devel</i>	0.8.6	1.0.6	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>
<i>clutter-gst-devel</i>	0.8.0	0.10.0	<a href="http://www.clutter-project.org">http://www.clutter-project.org</a>
<i>clutter-gtk-devel</i>	0.8.2	0.10.2	<a href="http://www.clutter-project.org">http://www.clutter-project.org</a>

组件	老版本	新版本	上游URL
<i>clutter-gtkmm-devel</i>	0.7.4	0.9.4	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>clutter-imcontext-devel</i>	new	0.1.4	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>cluttermm-devel</i>	0.7.5	0.9.4	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>cobertura</i>	new	1.9	<a href="http://cobertura.sourceforge.net/">http://cobertura.sourceforge.net/</a>
<i>comoonics-base-py</i>	new	0.1	<a href="http://www.open-sharedroot.org/development/comoonics-base-py">http://www.open-sharedroot.org/development/comoonics-base-py</a>
<i>comoonics-cdsl-py</i>	new	0.2	<a href="http://www.open-sharedroot.org/development/comoonics-cdsl-py">http://www.open-sharedroot.org/development/comoonics-cdsl-py</a>
<i>comoonics-cluster-py</i>	new	0.1	<a href="http://www.open-sharedroot.org/development/comoonics-cluster-py">http://www.open-sharedroot.org/development/comoonics-cluster-py</a>
<i>compat-libgdammm-devel</i>	new	3.0.1	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>compat-readline5-devel</i>	new	5.2	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>
<i>compat-readline5-static</i>	new	5.2	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>
<i>compat-wxGTK26-devel</i>	2.6.4	dropped	<a href="http://www.wxwidgets.org/">http://www.wxwidgets.org/</a>
<i>compiz-bcop</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compiz-devel</i>	0.7.8	0.8.2	<a href="http://www.go-compiz.org">http://www.go-compiz.org</a>
<i>compiz-fusion-devel</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compiz-fusion-extras-devel</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compizconfig-python</i>	0.7.8	0.8.2	<a href="http://www.compiz-fusion.org">http://www.compiz-fusion.org</a>
<i>cone-devel</i>	0.75	0.78	<a href="http://www.courier-mta.org/cone/">http://www.courier-mta.org/cone/</a>
<i>conexus-dbus-devel</i>	new	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-devel</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>

组件	老版本	新版本	上游URL
<i>conexus-gtkmm-devel</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-nspr-devel</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-nss-devel</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-ssl-devel</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>control-center-devel</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>control-center-filesystem</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>corosynclib-devel</i>	0.95	1.1.2	<a href="http://www.openais.org">http://www.openais.org</a>
<i>cpptasks</i>	new	1.0b5	<a href="http://ant-contrib.sourceforge.net/">http://ant-contrib.sourceforge.net/</a>
<i>cryptsetup-luks-devel</i>	1.0.6	1.1.0	<a href="http://cryptsetup.googlecode.com/">http://cryptsetup.googlecode.com/</a>
<i>csound-devel</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-python</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>ctdb-devel</i>	1.0.73	1.0.91	<a href="http://ctdb.samba.org/">http://ctdb.samba.org/</a>
<i>ctemplate-devel</i>	0.93	0.95	<a href="http://code.google.com/p/google-ctemplate/">http://code.google.com/p/google-ctemplate/</a>
<i>cudd</i>	2.4.1	2.4.2	<a href="http://vlsi.colorado.edu/~fabio/CUDD/">http://vlsi.colorado.edu/~fabio/CUDD/</a>
<i>cudd-devel</i>	2.4.1	2.4.2	<a href="http://vlsi.colorado.edu/~fabio/CUDD/">http://vlsi.colorado.edu/~fabio/CUDD/</a>
<i>cudd-static</i>	2.4.1	2.4.2	<a href="http://vlsi.colorado.edu/~fabio/CUDD/">http://vlsi.colorado.edu/~fabio/CUDD/</a>
<i>cups-devel</i>	1.4	1.4.1	<a href="http://www.cups.org/">http://www.cups.org/</a>

表 31. 开发-库的所有更新

组件	老版本	新版本	上游URL
<i>cyrus-imapd-devel</i>	2.3.14	2.3.15	<a href="http://cyrusimap.web.cmu.edu/">http://cyrusimap.web.cmu.edu/</a>
<i>cyrus-sasl-devel</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>dbus-cxx-devel</i>	new	0.4.3	<a href="http://dbus-cxx.sourceforge.net/">http://dbus-cxx.sourceforge.net/</a>
<i>dbus-cxx-glibmm-devel</i>	new	0.4.3	<a href="http://dbus-cxx.sourceforge.net/">http://dbus-cxx.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>dbus-devel</i>	1.2.12	1.2.16	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>dbus-glib-devel</i>	0.80	0.82	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>dbus-libs</i>	1.2.12	1.2.16	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>dbus-x11</i>	1.2.12	1.2.16	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>dcdb-devel</i>	0.9.7	0.9.15	<a href="http://e1000.sourceforge.net">http://e1000.sourceforge.net</a>
<i>deskbar-applet-devel</i>	new	2.27.90	<a href="http://live.gnome.org/DeskbarApplet">http://live.gnome.org/DeskbarApplet</a>
<i>devhelp-devel</i>	0.23	2.28.1	<a href="http://developer.imendio.com/projects/devhelp">http://developer.imendio.com/projects/devhelp</a>
<i>device-mapper-devel</i>	1.02.31	1.02.38	<a href="http://sources.redhat.com/lvm2">http://sources.redhat.com/lvm2</a>
<i>dhcp-devel</i>	4.1.0	4.1.0p1	<a href="http://isc.org/products/DHCP/">http://isc.org/products/DHCP/</a>
<i>dietlibc</i>	0.31	0.32	<a href="http://www.fefe.de/dietlibc/">http://www.fefe.de/dietlibc/</a>
<i>dietlibc-devel</i>	0.31	0.32	<a href="http://www.fefe.de/dietlibc/">http://www.fefe.de/dietlibc/</a>
<i>dietlibc-header</i>	0.31	0.32	<a href="http://www.fefe.de/dietlibc/">http://www.fefe.de/dietlibc/</a>
<i>digikam-devel</i>	0.10.0	1.0.0	<a href="http://www.digikam.org/">http://www.digikam.org/</a>
<i>directfb-devel</i>	1.2.7	1.4.2	<a href="http://www.directfb.org/">http://www.directfb.org/</a>
<i>directory-naming</i>	new	0.8	<a href="http://directory.apache.org">http://directory.apache.org</a>
<i>dmraid-devel</i>	1.0.0.rc15	1.0.0.rc16	<a href="http://people.redhat.com/heinzm/sw/dmraid">http://people.redhat.com/heinzm/sw/dmraid</a>
<i>dovecot-devel</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dssi-devel</i>	0.9.1	1.0.0	<a href="http://dssi.sourceforge.net/">http://dssi.sourceforge.net/</a>
<i>e2fsprogs-devel</i>	1.41.4	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>

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<i>e2fsprogs-libs</i>	1.41.4	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>
<i>easymock</i>	new	1.2	<a href="http://www.easymock.org/">http://www.easymock.org/</a>
<i>eb-devel</i>	4.3.2	4.4.1	<a href="http://www.sra.co.jp/people/m-kasahr/eb/">http://www.sra.co.jp/people/m-kasahr/eb/</a>
<i>echolib</i>	0.13.0	0.13.1	<a href="http://svxlink.sourceforge.net">http://svxlink.sourceforge.net</a>
<i>echolib-devel</i>	0.13.0	0.13.1	<a href="http://svxlink.sourceforge.net">http://svxlink.sourceforge.net</a>
<i>eclib-devel</i>	new	20080310	<a href="http://www.warwick.ac.uk/~masgaj/">http://www.warwick.ac.uk/~masgaj/</a>
<i>eclipse-photran-intel</i>	4.0.0	5.0.0	<a href="http://www.eclipse.org/photran">http://www.eclipse.org/photran</a>
<i>eclipse-photran-xf</i>	4.0.0	5.0.0	<a href="http://www.eclipse.org/photran">http://www.eclipse.org/photran</a>
<i>eggdbus</i>	new	0.5	<a href="http://cgit.freedesktop.org/~david/eggdbus">http://cgit.freedesktop.org/~david/eggdbus</a>
<i>eggdbus-devel</i>	new	0.5	<a href="http://cgit.freedesktop.org/~david/eggdbus">http://cgit.freedesktop.org/~david/eggdbus</a>
<i>eigen2-devel</i>	2.0.0	2.0.6	<a href="http://eigen.tuxfamily.org/">http://eigen.tuxfamily.org/</a>
<i>em8300-devel</i>	0.17.2	0.17.3	<a href="http://dxr3.sourceforge.net/">http://dxr3.sourceforge.net/</a>
<i>emacs-dinotrace</i>	new	9.4a	<a href="http://www.veripool.org/wiki/dinotrace">http://www.veripool.org/wiki/dinotrace</a>
<i>emacs-systemc-mode</i>	new	1.330	<a href="http://search.cpan.org/dist/SystemPerl/">http://search.cpan.org/dist/SystemPerl/</a>
<i>emacs-vregs-mode</i>	1.462	1.463	<a href="http://search.cpan.org/dist/SystemC-Vregs/">http://search.cpan.org/dist/SystemC-Vregs/</a>
<i>emerald-devel</i>	0.7.8	0.8.2	<a href="http://www.compiz-fusion.org/">http://www.compiz-fusion.org/</a>
<i>empathy-devel</i>	2.26.1	2.28.1.1	<a href="http://live.gnome.org/Empathy">http://live.gnome.org/Empathy</a>
<i>empathy-libs</i>	2.26.1	2.28.1.1	<a href="http://live.gnome.org/Empathy">http://live.gnome.org/Empathy</a>
<i>enca-devel</i>	1.9	1.10	<a href="http://gitorious.org/enca">http://gitorious.org/enca</a>
<i>enchant-devel</i>	1.4.2	1.5.0	<a href="http://www.abisource.com/">http://www.abisource.com/</a>

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<i>eog-devel</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/eog/">http:// projects.gnome.org/ eog/</a>
<i>epiphany-devel</i>	2.26.1	2.28.1	<a href="http://www.gnome.org/projects/epiphany/">http://www.gnome.org/ projects/epiphany/</a>
<i>erlang-erlsyslog</i>	new	0.1	<a href="http://code.google.com/p/erlsyslog">http://code.google.com/ p/erlsyslog</a>
<i>erlang-esdl</i>	0.96.0626	1.0.1	<a href="http://esdl.sourceforge.net">http:// esdl.sourceforge.net</a>
<i>erlang-esdl-devel</i>	0.96.0626	1.0.1	<a href="http://esdl.sourceforge.net">http:// esdl.sourceforge.net</a>
<i>espeak-devel</i>	1.39	1.40.02	<a href="http://espeak.sourceforge.net">http:// espeak.sourceforge.net</a>
<i>evince-devel</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/evince/">http:// projects.gnome.org/ evince/</a>
<i>evolution-data-server-devel</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-data-server-doc</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-devel</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http:// projects.gnome.org/ evolution/</a>
<i>evolution-mapi-devel</i>	0.26.1	0.28.0	<a href="http://www.gnome.org/projects/evolution-mapi/">http://www.gnome.org/ projects/evolution- mapi/</a>
<i>evolution-sharp-devel</i>	0.20.0	0.21.1	<a href="http://ftp.gnome.org/pub/GNOME/sources/evolution-sharp/">http://ftp.gnome.org/ pub/GNOME/sources/ evolution-sharp/</a>
<i>ewl-devel</i>	new	0.5.2.042	<a href="http://www.enlightenment.org/">http:// www.enlightenment.org/</a>
<i>exiv2-devel</i>	0.18.1	0.18.2	<a href="http://www.exiv2.org/">http://www.exiv2.org/</a>
<i>exo-devel</i>	0.3.101	0.3.104	<a href="http://xfce.org/">http://xfce.org/</a>
<i>expatmm-devel</i>	new	1.0.2	<a href="http://devzone.intellitree.com/projects/expatmm/">http:// devzone.intellitree.com/ projects/expatmm/</a>
<i>farsight2-devel</i>	0.0.9	0.0.16	<a href="http://farsight.freedesktop.org/wiki/">http:// farsight.freedesktop.org/ wiki/</a>

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<i>farsight2-python</i>	0.0.9	0.0.16	<a href="http://farsight.freedesktop.org/wiki/">http://farsight.freedesktop.org/wiki/</a>
<i>fityk-devel</i>	0.8.1	0.8.8	<a href="http://fityk.sourceforge.net/">http://fityk.sourceforge.net/</a>
<i>flickcurl-devel</i>	new	1.13	<a href="http://librdf.org/flickcurl/">http://librdf.org/flickcurl/</a>
<i>flickrnet</i>	2.1.5	2.2	<a href="http://www.codeplex.com/FlickrNet">http://www.codeplex.com/FlickrNet</a>
<i>flickrnet-devel</i>	2.1.5	2.2	<a href="http://www.codeplex.com/FlickrNet">http://www.codeplex.com/FlickrNet</a>
<i>fluidsynth-devel</i>	1.0.8	1.0.9	<a href="http://www.fluidsynth.org/">http://www.fluidsynth.org/</a>
<i>fontconfig-devel</i>	2.6.99.behdad.20090508	2.7.3	<a href="http://fontconfig.org">http://fontconfig.org</a>
<i>fontforge-devel</i>	20090224	20090622	<a href="http://fontforge.sourceforge.net/">http://fontforge.sourceforge.net/</a>
<i>freefem++-devel</i>	3.0	3.5	<a href="http://www.freefem.org/ff++/index.htm">http://www.freefem.org/ff++/index.htm</a>
<i>freeglut-devel</i>	2.4.0	2.6.0	<a href="http://freeglut.sourceforge.net">http://freeglut.sourceforge.net</a>
<i>freeradius-devel</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http://www.freeradius.org/</a>
<i>ftgl-devel</i>	2.1.2	2.1.3	<a href="http://ftgl.wiki.sourceforge.net/">http://ftgl.wiki.sourceforge.net/</a>
<i>fuse-devel</i>	2.7.4	2.8.1	<a href="http://fuse.sf.net">http://fuse.sf.net</a>
<i>g2clib-devel</i>	1.1.7	1.1.9	<a href="http://www.nco.ncep.noaa.gov/pmb/codes/GRIB2/">http://www.nco.ncep.noaa.gov/pmb/codes/GRIB2/</a>
<i>gai-devel</i>	0.5.10	dropped	<a href="http://gai.sourceforge.net">http://gai.sourceforge.net</a>
<i>gammu-devel</i>	1.23.92	1.25.0	<a href="http://cihar.com/gammu/">http://cihar.com/gammu/</a>
<i>gconfmm26-devel</i>	2.24.0	2.28.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gdal-devel</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>
<i>gdal-java</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>
<i>gdal-perl</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>
<i>gdal-python</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>
<i>gdal-ruby</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>
<i>gdal-static</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>



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<i>gedit-devel</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/gedit/">http:// projects.gnome.org/ gedit/</a>
<i>gegl-devel</i>	0.0.22	0.1.0	<a href="http://www.gegl.org/">http://www.gegl.org/</a>
<i>geglmm</i>	0.0.22	0.1.0	<a href="http://ftp.gnome.org/pub/gnome/sources/geglmm">http://ftp.gnome.org/ pub/gnome/sources/ geglmm</a>
<i>geglmm-devel</i>	0.0.22	0.1.0	<a href="http://ftp.gnome.org/pub/gnome/sources/geglmm">http://ftp.gnome.org/ pub/gnome/sources/ geglmm</a>
<i>geoclue-doc</i>	new	0.11.1.1	<a href="http://geoclue.freedesktop.org/">http:// geoclue.freedesktop.org/</a>
<i>geos-devel</i>	3.0.3	3.1.1	<a href="http://trac.osgeo.org/geos/">http://trac.osgeo.org/ geos/</a>
<i>geos-python</i>	3.0.3	3.1.1	<a href="http://trac.osgeo.org/geos/">http://trac.osgeo.org/ geos/</a>
<i>geos-ruby</i>	3.0.3	3.1.1	<a href="http://trac.osgeo.org/geos/">http://trac.osgeo.org/ geos/</a>
<i>gerbv-devel</i>	2.2.0	2.3.0	<a href="http://gerbv.gpleda.org/index.html">http://gerbv.gpleda.org/ index.html</a>
<i>gflags-devel</i>	1.0	1.1	<a href="http://code.google.com/p/google-gflags/">http://code.google.com/ p/google-gflags/</a>
<i>ghc-GLUT-devel</i>	new	2.1.1.2	<a href="http://www.haskell.org/haskellwiki/Opengl">http://www.haskell.org/ haskellwiki/Opengl</a>
<i>ghc-GLUT-doc</i>	new	2.1.1.2	<a href="http://www.haskell.org/haskellwiki/Opengl">http://www.haskell.org/ haskellwiki/Opengl</a>
<i>ghc-GLUT-prof</i>	new	2.1.1.2	<a href="http://www.haskell.org/haskellwiki/Opengl">http://www.haskell.org/ haskellwiki/Opengl</a>
<i>ghc-HTTP-devel</i>	4000.0.4	4000.0.6	<a href="http://projects.haskell.org/http/">http:// projects.haskell.org/ http/</a>
<i>ghc-HTTP-doc</i>	4000.0.4	4000.0.6	<a href="http://projects.haskell.org/http/">http:// projects.haskell.org/ http/</a>
<i>ghc-HTTP-prof</i>	4000.0.4	4000.0.6	<a href="http://projects.haskell.org/http/">http:// projects.haskell.org/ http/</a>
<i>ghc-OpenGL-devel</i>	new	2.2.1.1	<a href="http://www.haskell.org/haskellwiki/Opengl">http://www.haskell.org/ haskellwiki/Opengl</a>
<i>ghc-OpenGL-doc</i>	new	2.2.1.1	<a href="http://www.haskell.org/haskellwiki/Opengl">http://www.haskell.org/ haskellwiki/Opengl</a>
<i>ghc-OpenGL-prof</i>	new	2.2.1.1	<a href="http://www.haskell.org/haskellwiki/Opengl">http://www.haskell.org/ haskellwiki/Opengl</a>

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<i>ghc-cairo-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-cairo-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-cpphs-devel</i>	1.6	1.9	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/cpphs</a>
<i>ghc-cpphs-doc</i>	1.6	1.9	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/cpphs</a>
<i>ghc-cpphs-prof</i>	1.6	1.9	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/cpphs</a>
<i>ghc-editline-devel</i>	new	0.2.1.0	<a href="http://code.haskell.org/editline">http://code.haskell.org/ editline</a>
<i>ghc-editline-doc</i>	new	0.2.1.0	<a href="http://code.haskell.org/editline">http://code.haskell.org/ editline</a>
<i>ghc-editline-prof</i>	new	0.2.1.0	<a href="http://code.haskell.org/editline">http://code.haskell.org/ editline</a>
<i>ghc-gconf-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gconf-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gio-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gio-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-glade-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-glade-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-glib-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-glib-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gstreamer-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gstreamer-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>

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<i>ghc-gtk-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtk-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtk2hs-common</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtk2hs-compat</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtk2hs-doc</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtkglext-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtkglext-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtksourceview2-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-gtksourceview2-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-haskell-src-exts-devel</i>	0.4.8	1.1.4	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/haskell-src-exts">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/haskell-src- exts</a>
<i>ghc-haskell-src-exts-doc</i>	0.4.8	1.1.4	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/haskell-src-exts">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/haskell-src- exts</a>
<i>ghc-haskell-src-exts-prof</i>	0.4.8	1.1.4	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/haskell-src-exts">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/haskell-src- exts</a>
<i>ghc-hscolour-devel</i>	1.12	1.15	<a href="http://www.cs.york.ac.uk/fp/darcs/hscolour/">http:// www.cs.york.ac.uk/fp/ darcs/hscolour/</a>
<i>ghc-hscolour-doc</i>	1.12	1.15	<a href="http://www.cs.york.ac.uk/fp/darcs/hscolour/">http:// www.cs.york.ac.uk/fp/ darcs/hscolour/</a>
<i>ghc-hscolour-prof</i>	1.12	1.15	<a href="http://www.cs.york.ac.uk/fp/darcs/hscolour/">http:// www.cs.york.ac.uk/fp/ darcs/hscolour/</a>
<i>ghc-prof</i>	6.10.1	6.10.4	<a href="http://haskell.org/ghc/">http://haskell.org/ghc/</a>

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<i>ghc-rpm-macros</i>	new	0.2.1	<a href="https://fedoraproject.org/wiki/Haskell_SIG">https:// fedoraproject.org/wiki/ Haskell_SIG</a>
<i>ghc-soegtk-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-soegtk-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-svgcairo-devel</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-svgcairo-prof</i>	0.10.0	0.10.1	<a href="http://gtk2hs.sourceforge.net/">http:// gtk2hs.sourceforge.net/</a>
<i>ghc-tar-devel</i>	new	0.3.1.0	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/tar">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/tar</a>
<i>ghc-tar-doc</i>	new	0.3.1.0	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/tar">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/tar</a>
<i>ghc-tar-prof</i>	new	0.3.1.0	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/tar">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/tar</a>
<i>ghc-utf8-string-devel</i>	new	0.3.5	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/utf8-string">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/utf8-string</a>
<i>ghc-utf8-string-doc</i>	new	0.3.5	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/utf8-string">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/utf8-string</a>
<i>ghc-utf8-string-prof</i>	new	0.3.5	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/utf8-string">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/utf8-string</a>
<i>ghc-xmonad-devel</i>	new	0.8.1	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/xmonad</a>
<i>ghc-xmonad-doc</i>	new	0.8.1	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad">http:// hackage.haskell.org/ cgi-bin/hackage-scripts/ package/xmonad</a>
<i>ghc-xmonad-prof</i>	new	0.8.1	<a href="http://hackage.haskell.org/">http:// hackage.haskell.org/</a>

组件	老版本	新版本	上游URL
			<a href="http://cgit-bin/hackage-scripts/package/xmonad">cgit-bin/hackage-scripts/package/xmonad</a>
<i>ghostscript-devel</i>	8.64	8.70	<a href="http://www.ghostscript.com/">http://www.ghostscript.com/</a>
<i>gimp-devel</i>	2.6.6	2.6.7	<a href="http://www.gimp.org/">http://www.gimp.org/</a>
<i>gir-repository</i>	new	0.6.5	<a href="http://live.gnome.org/GObjectIntrospection">http://live.gnome.org/GObjectIntrospection</a>
<i>gir-repository-devel</i>	new	0.6.5	<a href="http://live.gnome.org/GObjectIntrospection">http://live.gnome.org/GObjectIntrospection</a>
<i>gjs-devel</i>	new	0.4	<a href="http://live.gnome.org/Gjs/">http://live.gnome.org/Gjs/</a>
<i>gl2ps-devel</i>	1.3.2	1.3.3	<a href="http://www.geuz.org/gl2ps/">http://www.geuz.org/gl2ps/</a>
<i>glabels-devel</i>	2.2.4	2.2.5	<a href="http://glabels.sf.net">http://glabels.sf.net</a>
<i>glabels-doc</i>	2.2.4	2.2.5	<a href="http://glabels.sf.net">http://glabels.sf.net</a>
<i>glabels-libs</i>	2.2.4	2.2.5	<a href="http://glabels.sf.net">http://glabels.sf.net</a>
<i>glade3-libgladeui</i>	3.6.1	3.6.7	<a href="http://glade.gnome.org/">http://glade.gnome.org/</a>
<i>glade3-libgladeui-devel</i>	3.6.1	3.6.7	<a href="http://glade.gnome.org/">http://glade.gnome.org/</a>
<i>glib2-devel</i>	2.20.1	2.22.2	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>glib2-static</i>	2.20.1	2.22.2	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>glibc-devel</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>glibc-headers</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>glibc-static</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>glibmm24-devel</i>	2.20.0	2.22.1	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>globus-callout-devel</i>	new	0.7	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-ftp-client-devel</i>	new	3.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-ftp-control-devel</i>	new	2.10	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gass-copy-devel</i>	new	4.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gass-transfer-devel</i>	new	3.4	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-callback-devel</i>	new	1.10	<a href="http://www.globus.org/">http://www.globus.org/</a>

组件	老版本	新版本	上游URL
<i>globus-gsi-cert-utils-devel</i>	new	5.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-credential-devel</i>	new	2.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-openssl-error-devel</i>	new	0.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-proxy-core-devel</i>	new	3.4	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-proxy-ssl-devel</i>	new	1.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-sysconfig-devel</i>	new	2.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gss-assist-devel</i>	new	4.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gssapi-error-devel</i>	new	2.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gssapi-gsi-devel</i>	new	5.9	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-io-devel</i>	new	6.3	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-openssl-devel</i>	new	3.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-openssl-module-devel</i>	new	0.6	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls-client-devel</i>	new	5.1	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rsl-assist-devel</i>	new	2.1	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rsl-devel</i>	new	5.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-usage-devel</i>	new	1.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio-devel</i>	new	2.8	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio-gsi-driver-devel</i>	new	0.6	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio-popen-driver-devel</i>	new	0.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>glom-devel</i>	1.10.0	1.12.2	<a href="http://www.glom.org/">http://www.glom.org/</a>
<i>gloox-devel</i>	new	1.0	<a href="http://camaya.net/gloox">http://camaya.net/gloox</a>
<i>glpk-devel</i>	4.36	4.39	<a href="http://www.gnu.org/software/glpk/glpk.html">http://www.gnu.org/software/glpk/glpk.html</a>
<i>glpk-static</i>	4.36	4.39	<a href="http://www.gnu.org/software/glpk/glpk.html">http://www.gnu.org/software/glpk/glpk.html</a>
<i>glpk-utils</i>	4.36	4.39	<a href="http://www.gnu.org/software/glpk/glpk.html">http://www.gnu.org/software/glpk/glpk.html</a>
<i>glusterfs-devel</i>	2.0.0	2.0.6	<a href="http://www.gluster.org/">http://www.gluster.org/</a>
<i>glx-utils</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>

组件	老版本	新版本	上游URL
<i>gmime-devel</i>	2.4.3	2.4.7	<a href="http://spruce.sourceforge.net/gmime/">http://spruce.sourceforge.net/gmime/</a>
<i>gmime-sharp</i>	2.4.3	2.4.7	<a href="http://spruce.sourceforge.net/gmime/">http://spruce.sourceforge.net/gmime/</a>
<i>gmp-devel</i>	4.2.4	4.3.1	<a href="http://gmplib.org/">http://gmplib.org/</a>
<i>gmp-ecm-devel</i>	6.2.1	6.2.3	<a href="http://gforge.inria.fr/projects/ecm/">http://gforge.inria.fr/projects/ecm/</a>
<i>gmp-ecm-static</i>	6.2.1	6.2.3	<a href="http://gforge.inria.fr/projects/ecm/">http://gforge.inria.fr/projects/ecm/</a>
<i>gmp-static</i>	4.2.4	4.3.1	<a href="http://gmplib.org/">http://gmplib.org/</a>
<i>gmpc-devel</i>	0.16.1	0.18.0	<a href="http://gmpcwiki.sarine.nl/">http://gmpcwiki.sarine.nl/</a>
<i>gnash-devel</i>	new	0.9.0	<a href="http://www.gnu.org/software/gnash/">http://www.gnu.org/software/gnash/</a>
<i>gnokii-devel</i>	0.6.27	0.6.28	<a href="http://www.gnokii.org/">http://www.gnokii.org/</a>
<i>gnome-applet-sensors-devel</i>	2.2.1	2.2.4	<a href="http://sensors-applet.sourceforge.net/">http://sensors-applet.sourceforge.net/</a>
<i>gnome-bluetooth-libs-devel</i>	2.27.5	2.28.3	<a href="http://live.gnome.org/GnomeBluetooth">http://live.gnome.org/GnomeBluetooth</a>
<i>gnome-chemistry-utils-mozplugin</i>	0.10.4	0.10.8	<a href="http://www.nongnu.org/gchemutils/">http://www.nongnu.org/gchemutils/</a>
<i>gnome-desktop-devel</i>	2.26.1	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-disk-utility-devel</i>	0.3	2.28.1	<a href="http://git.gnome.org/cgit/gnome-disk-utility">http://git.gnome.org/cgit/gnome-disk-utility</a>
<i>gnome-disk-utility-libs</i>	0.3	2.28.1	<a href="http://git.gnome.org/cgit/gnome-disk-utility">http://git.gnome.org/cgit/gnome-disk-utility</a>
<i>gnome-disk-utility-ui-devel</i>	0.3	2.28.1	<a href="http://git.gnome.org/cgit/gnome-disk-utility">http://git.gnome.org/cgit/gnome-disk-utility</a>
<i>gnome-disk-utility-ui-libs</i>	0.3	2.28.1	<a href="http://git.gnome.org/cgit/gnome-disk-utility">http://git.gnome.org/cgit/gnome-disk-utility</a>
<i>gnome-do-devel</i>	0.8.1.3	0.8.2	<a href="http://do.davebsd.com/">http://do.davebsd.com/</a>
<i>gnome-keyring-devel</i>	2.26.1	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-keyring-pam</i>	2.26.1	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-mag-devel</i>	0.15.6	0.15.9	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-media-devel</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-media-libs</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-menus-devel</i>	2.26.1	2.28.0	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-mount-devel</i>	0.8	dropped	n/a
<i>gnome-panel-devel</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>

组件	老版本	新版本	上游URL
<i>gnome-panel-libs</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-settings-daemon-devel</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gnome-settings-daemon">http://download.gnome.org/sources/gnome-settings-daemon</a>

表 32. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>gnome-utils-devel</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-vfs2-devel</i>	2.24.1	2.24.2	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-vfsmm26-devel</i>	2.24.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gnutls-devel</i>	2.6.6	2.8.5	<a href="http://www.gnutls.org/">http://www.gnutls.org/</a>
<i>gnutls-guile</i>	2.6.6	2.8.5	<a href="http://www.gnutls.org/">http://www.gnutls.org/</a>
<i>gobject-introspection</i>	0.6.1	0.6.5	<a href="http://live.gnome.org/GObjectIntrospection">http://live.gnome.org/GObjectIntrospection</a>
<i>gobject-introspection-devel</i>	0.6.1	0.6.5	<a href="http://live.gnome.org/GObjectIntrospection">http://live.gnome.org/GObjectIntrospection</a>
<i>gok-devel</i>	2.26.0	2.28.1	<a href="http://www.gok.ca/">http://www.gok.ca/</a>
<i>goocanvas-devel</i>	0.13	0.14	<a href="http://live.gnome.org/GooCanvas">http://live.gnome.org/GooCanvas</a>
<i>goocanvasmm-devel</i>	0.13.0	0.14.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>google-gadgets-devel</i>	0.10.5	0.11.1	<a href="http://code.google.com/p/google-gadgets-for-linux/">http://code.google.com/p/google-gadgets-for-linux/</a>
<i>google-perftools-devel</i>	0.99.1	1.4	<a href="http://code.google.com/p/google-perftools/">http://code.google.com/p/google-perftools/</a>
<i>gpgme-devel</i>	1.1.7	1.1.8	<a href="http://www.gnupg.org/related_software/gpgme/">http://www.gnupg.org/related_software/gpgme/</a>
<i>gpp4-devel</i>	1.0.4	1.2.0	<a href="http://dmz-212.daimi.au.dk/~mok/gpp4">http://dmz-212.daimi.au.dk/~mok/gpp4</a>
<i>gpsim-devel</i>	0.23.0	0.24.0	<a href="http://gpsim.sourceforge.net/gpsim.html">http://gpsim.sourceforge.net/gpsim.html</a>
<i>gridengine-devel</i>	6.2u2_1	6.2u3	<a href="http://gridengine.sunsource.net/">http://gridengine.sunsource.net/</a>
<i>gridengine-execd</i>	6.2u2_1	6.2u3	<a href="http://gridengine.sunsource.net/">http://gridengine.sunsource.net/</a>
<i>gridengine-qmaster</i>	6.2u2_1	6.2u3	<a href="http://gridengine.sunsource.net/">http://gridengine.sunsource.net/</a>



组件	老版本	新版本	上游URL
<i>gridengine-qmon</i>	6.2u2_1	6.2u3	<a href="http://gridengine.sunsource.net/">http://gridengine.sunsource.net/</a>
<i>gsl-devel</i>	1.12	1.13	<a href="http://www.gnu.org/software/gsl/">http://www.gnu.org/software/gsl/</a>
<i>gsl-static</i>	1.12	1.13	<a href="http://www.gnu.org/software/gsl/">http://www.gnu.org/software/gsl/</a>
<i>gsm-devel</i>	1.0.12	1.0.13	<a href="http://kbs.cs.tu-berlin.de/~jutta/toast.html">http://kbs.cs.tu-berlin.de/~jutta/toast.html</a>
<i>gssdp-devel</i>	0.6.4	0.7.0	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gssdp-docs</i>	0.6.4	0.7.0	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gstreamer-devel</i>	0.10.22	0.10.25	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-plugins-base-devel</i>	0.10.22	0.10.25	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-plugins-good-devel</i>	0.10.14	0.10.16	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-python-devel</i>	0.10.14	0.10.16	<a href="http://gstreamer.freedesktop.org/">http://gstreamer.freedesktop.org/</a>
<i>gstreamer-rtsp-devel</i>	new	0.10.4	<a href="http://people.freedesktop.org/~wtay/">http://people.freedesktop.org/~wtay/</a>
<i>gstreamermm-devel</i>	0.10.1	0.10.5	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>gtest-devel</i>	1.0.0	1.3.0	<a href="http://code.google.com/p/googletest/">http://code.google.com/p/googletest/</a>
<i>gtk-sharp2-devel</i>	2.12.7	2.12.9	<a href="http://gtk-sharp.sf.net">http://gtk-sharp.sf.net</a>
<i>gtk-vnc</i>	0.3.8	0.3.10	<a href="http://live.gnome.org/gtk-vnc">http://live.gnome.org/gtk-vnc</a>
<i>gtk-vnc-devel</i>	0.3.8	0.3.10	<a href="http://live.gnome.org/gtk-vnc">http://live.gnome.org/gtk-vnc</a>
<i>gtk-vnc-python</i>	0.3.8	0.3.10	<a href="http://live.gnome.org/gtk-vnc">http://live.gnome.org/gtk-vnc</a>
<i>gtk2-devel</i>	2.16.1	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gtk2-devel-docs</i>	2.16.1	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gtk2-engines-devel</i>	2.18.1	2.18.4	<a href="http://download.gnome.org/sources/gtk-engines">http://download.gnome.org/sources/gtk-engines</a>
<i>gtkhtml3-devel</i>	3.26.1.1	3.28.0	<a href="http://projects.gnome.org/evolution/">http://projects.gnome.org/evolution/</a>
<i>gtkmm-utils-devel</i>	new	0.4.1	<a href="http://code.google.com/p/gtkmm-utils/">http://code.google.com/p/gtkmm-utils/</a>

组件	老版本	新版本	上游URL
<i>gtkmm24-devel</i>	2.16.0	2.18.1	<a href="http://gtkmm.sourceforge.net/">http:// gtkmm.sourceforge.net/</a>
<i>gtksourcecompletion-devel</i>	0.5.2	0.7.0	<a href="http://gtksourcecomple.sourceforge.net/">http:// gtksourcecomple.sourceforge.net/</a>
<i>gtksourceview2-devel</i>	2.6.1	2.8.1	<a href="http://gtksourceview.sourceforge.net/">http:// gtksourceview.sourceforge.net/</a>
<i>gtranslator-devel</i>	new	1.9.6	<a href="http://gtranslator.sourceforge.net">http:// gtranslator.sourceforge.net</a>
<i>gucharmap-devel</i>	2.26.1	2.28.1	<a href="http://live.gnome.org/Gucharmap">http://live.gnome.org/ Gucharmap</a>
<i>guile-devel</i>	1.8.6	1.8.7	<a href="http://www.gnu.org/software/guile/">http://www.gnu.org/ software/guile/</a>
<i>guiloader-c++-devel</i>	2.13.0	2.15.0	<a href="http://crow-designer.sourceforge.net/">http://crow- designer.sourceforge.net/</a>
<i>guiloader-devel</i>	2.13.0	2.15.0	<a href="http://crow-designer.sourceforge.net/">http://crow- designer.sourceforge.net/</a>
<i>gupnp-av-devel</i>	0.4	0.5.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-av-docs</i>	0.4	0.5.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-devel</i>	0.12.7	0.13.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-docs</i>	0.12.7	0.13.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-igd-devel</i>	0.1.1	0.1.3	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-ui-docs</i>	new	0.1.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gutenprint-devel</i>	5.2.3	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp- print.sourceforge.net/</a>
<i>gvfs-devel</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gypsy-devel</i>	0.6	0.7	<a href="http://gypsy.freedesktop.org/">http:// gypsy.freedesktop.org/</a>
<i>gypsy-docs</i>	0.6	0.7	<a href="http://gypsy.freedesktop.org/">http:// gypsy.freedesktop.org/</a>
<i>hal-devel</i>	0.5.12	0.5.13	<a href="http://www.freedesktop.org/Software/hal">http:// www.freedesktop.org/ Software/hal</a>
<i>hal-docs</i>	0.5.12	0.5.13	<a href="http://www.freedesktop.org/Software/hal">http:// www.freedesktop.org/ Software/hal</a>
<i>hal-libs</i>	0.5.12	0.5.13	<a href="http://www.freedesktop.org/Software/hal">http:// www.freedesktop.org/ Software/hal</a>
<i>hamlib-c++</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http:// hamlib.sourceforge.net</a>
<i>hamlib-c++-devel</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http:// hamlib.sourceforge.net</a>

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<i>hamlib-devel</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http://hamlib.sourceforge.net</a>
<i>hamlib-perl</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http://hamlib.sourceforge.net</a>
<i>hamlib-python</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http://hamlib.sourceforge.net</a>
<i>hamlib-tcl</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http://hamlib.sourceforge.net</a>
<i>hdf5-devel</i>	1.8.2	1.8.3	<a href="http://www.hdfgroup.org/HDF5/">http://www.hdfgroup.org/HDF5/</a>
<i>hdf5-static</i>	1.8.2	1.8.3	<a href="http://www.hdfgroup.org/HDF5/">http://www.hdfgroup.org/HDF5/</a>
<i>healpix</i>	2.11c	2.12a	<a href="http://healpix.jpl.nasa.gov/">http://healpix.jpl.nasa.gov/</a>
<i>healpix-devel</i>	2.11c	2.12a	<a href="http://healpix.jpl.nasa.gov/">http://healpix.jpl.nasa.gov/</a>
<i>httpd-devel</i>	2.2.11	2.2.13	<a href="http://httpd.apache.org/">http://httpd.apache.org/</a>
<i>ibus-devel</i>	1.1.0.20090423	1.2.0.20091024	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-devel-docs</i>	new	1.2.0.20091024	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-qt-devel</i>	new	1.2.0.20091014	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>icecream-devel</i>	0.9.3	0.9.4	<a href="http://en.opensuse.org/Icecream">http://en.opensuse.org/Icecream</a>
<i>igraph-devel</i>	0.5.1	0.5.2	<a href="http://cneurocv.s.rmki.kfki.hu/igraph">http://cneurocv.s.rmki.kfki.hu/igraph</a>
<i>iksemel-devel</i>	1.3	1.4	<a href="http://code.google.com/p/iksemel/">http://code.google.com/p/iksemel/</a>
<i>imsettings-devel</i>	0.106.2	0.107.4	<a href="http://code.google.com/p/imsettings/">http://code.google.com/p/imsettings/</a>
<i>imsettings-libs</i>	0.106.2	0.107.4	<a href="http://code.google.com/p/imsettings/">http://code.google.com/p/imsettings/</a>
<i>ini4j</i>	0.3.2	0.4.1	<a href="http://www.ini4j.org/">http://www.ini4j.org/</a>
<i>iniparser-devel</i>	new	3.0	<a href="http://ndevilla.free.fr/iniparser/">http://ndevilla.free.fr/iniparser/</a>
<i>inn-devel</i>	2.4.6	2.5.0	<a href="https://www.isc.org/software/INN/">https://www.isc.org/software/INN/</a>

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<i>ipod-sharp</i>	0.8.1	0.8.2	<a href="http://banshee-project.org/Subprojects/lpod-sharp">http://banshee-project.org/Subprojects/lpod-sharp</a>
<i>ipod-sharp-devel</i>	0.8.1	0.8.2	<a href="http://banshee-project.org/Subprojects/lpod-sharp">http://banshee-project.org/Subprojects/lpod-sharp</a>
<i>ipython</i>	0.9.1	0.10	<a href="http://ipython.scipy.org/">http://ipython.scipy.org/</a>
<i>irrlicht-devel</i>	1.5	1.5.1	<a href="http://irrlicht.sourceforge.net/">http://irrlicht.sourceforge.net/</a>
<i>irssi-devel</i>	0.8.12	0.8.14	<a href="http://irssi.org/">http://irssi.org/</a>
<i>iso-codes-devel</i>	3.7	3.11	<a href="http://alioth.debian.org/projects/pkg-isocodes/">http://alioth.debian.org/projects/pkg-isocodes/</a>
<i>itext</i>	2.1.5	2.1.7	<a href="http://www.lowagie.com/iText/">http://www.lowagie.com/iText/</a>
<i>jack-audio-connection-kit-devel</i>	0.116.1	0.116.2	<a href="http://www.jackaudio.org">http://www.jackaudio.org</a>
<i>jakarta-commons-compress</i>	0	1.0	<a href="http://commons.apache.org/compress/">http://commons.apache.org/compress/</a>
<i>jakarta-commons-configuration</i>	new	1.4	<a href="http://commons.apache.org/configuration/">http://commons.apache.org/configuration/</a>
<i>jakarta-commons-jxpath</i>	new	1.2	<a href="http://jakarta.apache.org/commons/jxpath/">http://jakarta.apache.org/commons/jxpath/</a>
<i>jana-devel</i>	new	0.4.5	<a href="http://git.gnome.org/cgi/jana/">http://git.gnome.org/cgi/jana/</a>
<i>jargs</i>	new	1.0	<a href="http://jargs.sourceforge.net/">http://jargs.sourceforge.net/</a>
<i>java-augeas</i>	new	0.0.1	<a href="http://augeas.net/">http://augeas.net/</a>
<i>sqlite</i>	20090409	20090430	<a href="http://www.ch-werner.de/sqlite/">http://www.ch-werner.de/sqlite/</a>
<i>jemmy</i>	new	2.3.0.0	<a href="https://jemmy.dev.java.net">https://jemmy.dev.java.net</a>
<i>jide-oss</i>	new	2.7.1	<a href="https://jide-oss.dev.java.net/">https://jide-oss.dev.java.net/</a>
<i>json</i>	new	3	<a href="http://www.json.org/java/index.html">http://www.json.org/java/index.html</a>
<i>json-glib-devel</i>	0.6.2	0.8.0	<a href="http://live.gnome.org/JsonGlib">http://live.gnome.org/JsonGlib</a>
<i>kannel-devel</i>	1.4.1	1.4.3	<a href="http://www.kannel.org/">http://www.kannel.org/</a>

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<i>kdebase-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebindings-devel</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>kdeedu-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdegames-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdegraphics-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdelibs-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdelibs-experimental-devel</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdemultimedia-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdenetwork-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org</a>
<i>kdepim-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepim-runtime-devel</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepimlibs-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdesdk-devel</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdesvn-devel</i>	1.2.4	1.4.1	<a href="http://kdesvn.alwins-world.de/">http://kdesvn.alwins-world.de/</a>
<i>kmymoney2-devel</i>	0.9.3	1.0.1	<a href="http://kmymoney2.sourceforge.net/">http://kmymoney2.sourceforge.net/</a>
<i>kobo</i>	new	0.1.2	<a href="https://fedorahosted.org/kobo/">https://fedorahosted.org/kobo/</a>
<i>kobo-client</i>	new	0.1.2	<a href="https://fedorahosted.org/kobo/">https://fedorahosted.org/kobo/</a>
<i>kobo-django</i>	new	0.1.2	<a href="https://fedorahosted.org/kobo/">https://fedorahosted.org/kobo/</a>
<i>kobo-hub</i>	new	0.1.2	<a href="https://fedorahosted.org/kobo/">https://fedorahosted.org/kobo/</a>
<i>kobo-worker</i>	new	0.1.2	<a href="https://fedorahosted.org/kobo/">https://fedorahosted.org/kobo/</a>
<i>krazy2</i>	2.8	2.9	<a href="http://techbase.kde.org/Development/Tutorials/Code_Checking">http://techbase.kde.org/Development/Tutorials/Code_Checking</a>
<i>krb5-devel</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>ktorrent-devel</i>	3.2.1	3.2.5	<a href="http://ktorrent.org/">http://ktorrent.org/</a>
<i>kudzu-devel</i>	1.2.85	1.2.86	<a href="http://fedorahosted.org/releases/k/u/kudzu/">http://fedorahosted.org/releases/k/u/kudzu/</a>

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<i>l2fprod-common</i>	new	7.3	<a href="http://www.l2fprod.com/common/">http://www.l2fprod.com/common/</a>
<i>lapack</i>	3.1.1	3.2.1	<a href="http://www.netlib.org/lapack/">http://www.netlib.org/lapack/</a>
<i>lapack-devel</i>	3.1.1	3.2.1	<a href="http://www.netlib.org/lapack/">http://www.netlib.org/lapack/</a>
<i>ldb-tools</i>	0.9.3	0.9.6	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>ldns-devel</i>	1.5.1	1.6.1	<a href="http://www.nlnetlabs.nl/ldns/">http://www.nlnetlabs.nl/ldns/</a>
<i>lensfun-devel</i>	0.2.3	0.2.4	<a href="http://lensfun.berlios.de/">http://lensfun.berlios.de/</a>
<i>lesstif-devel</i>	0.95.0	0.95.2	<a href="http://www.lesstif.org/">http://www.lesstif.org/</a>
<i>libEMF-devel</i>	1.0.3	1.0.4	<a href="http://libemf.sourceforge.net/">http://libemf.sourceforge.net/</a>
<i>libHX-devel</i>	2.5	3.1	<a href="http://sourceforge.net/projects/libhx/">http://sourceforge.net/projects/libhx/</a>
<i>libICE-devel</i>	1.0.4	1.0.6	<a href="http://www.x.org">http://www.x.org</a>
<i>libRmath</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>
<i>libRmath-devel</i>	2.9.0	2.9.2	<a href="http://www.r-project.org">http://www.r-project.org</a>
<i>libX11-devel</i>	1.2	1.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libXScrnSaver-devel</i>	1.1.3	1.2.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libXau-devel</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXaw-devel</i>	1.0.4	1.0.6	<a href="http://www.x.org">http://www.x.org</a>
<i>libXcomposite-devel</i>	0.4.0	0.4.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXcursor-devel</i>	1.1.9	1.1.10	<a href="http://www.x.org">http://www.x.org</a>
<i>libXdamage-devel</i>	1.1.1	1.1.2	<a href="http://www.x.org">http://www.x.org</a>
<i>libXdmpc-devel</i>	1.0.2	1.0.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libXext-devel</i>	1.0.99.1	1.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXfixes-devel</i>	4.0.3	4.0.4	<a href="http://www.x.org">http://www.x.org</a>
<i>libXfont-devel</i>	1.4.0	1.4.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXi-devel</i>	1.2.1	1.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libXinerama-devel</i>	1.0.3	1.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXmu-devel</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXpm-devel</i>	3.5.7	3.5.8	<a href="http://www.x.org">http://www.x.org</a>
<i>libXrandr-devel</i>	1.2.99.4	1.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libXrender-devel</i>	0.9.4	0.9.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXres-devel</i>	1.0.3	1.0.4	<a href="http://www.x.org">http://www.x.org</a>
<i>libXt-devel</i>	1.0.5	1.0.7	<a href="http://www.x.org">http://www.x.org</a>
<i>libXtst-devel</i>	1.0.3	1.0.99.2	<a href="http://www.x.org">http://www.x.org</a>

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<i>libXv-devel</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXxf86dga-devel</i>	1.0.2	1.1.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXxf86misc-devel</i>	1.0.1	1.0.2	<a href="http://www.x.org">http://www.x.org</a>
<i>libXxf86vm-devel</i>	1.0.2	1.1.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libabiword-devel</i>	2.6.8	2.8.1	<a href="http://www.abisource.com/">http://www.abisource.com/</a>
<i>libarchive-devel</i>	2.6.2	2.7.1	<a href="http://code.google.com/p/libarchive/">http://code.google.com/p/libarchive/</a>
<i>libass-devel</i>	0.9.6	0.9.7	<a href="http://code.google.com/p/libass/">http://code.google.com/p/libass/</a>
<i>libassuan-devel</i>	1.0.4	1.0.5	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
<i>libasync</i>	0.16.1	0.17.0	<a href="http://svxlink.sourceforge.net">http://svxlink.sourceforge.net</a>
<i>libasync-devel</i>	0.16.1	0.17.0	<a href="http://svxlink.sourceforge.net">http://svxlink.sourceforge.net</a>
<i>libasyncns-devel</i>	0.7	0.8	<a href="http://0pointer.de/lennart/projects/libasyncns/">http://0pointer.de/lennart/projects/libasyncns/</a>
<i>libatasmart-devel</i>	0.12	0.17	<a href="http://git.0pointer.de/?p=libatasmart.git;a=summary">http://git.0pointer.de/?p=libatasmart.git;a=summary</a>
<i>libblkid</i>	new	2.16	<a href="ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng">ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng</a>
<i>libblkid-devel</i>	new	2.16	<a href="ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng">ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng</a>
<i>libbonobo-devel</i>	2.24.1	2.24.2	<a href="http://ftp.gnome.org">http://ftp.gnome.org</a>
<i>libbonoboui-devel</i>	2.24.1	2.24.2	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>libbs2b-devel</i>	new	3.1.0	<a href="http://bs2b.sourceforge.net/">http://bs2b.sourceforge.net/</a>
<i>libburn-devel</i>	0.6.0	0.7.0	<a href="http://libburnia-project.org/">http://libburnia-project.org/</a>
<i>libcanberra-devel</i>	0.12	0.22	<a href="http://git.0pointer.de/?p=libcanberra.git;a=summary">http://git.0pointer.de/?p=libcanberra.git;a=summary</a>
<i>libcap-ng-devel</i>	new	0.6.2	<a href="http://people.redhat.com/sgrubb/libcap-ng">http://people.redhat.com/sgrubb/libcap-ng</a>
<i>libcap-ng-python</i>	new	0.6.2	<a href="http://people.redhat.com/sgrubb/libcap-ng">http://people.redhat.com/sgrubb/libcap-ng</a>
<i>libcap-ng-utils</i>	new	0.6.2	<a href="http://people.redhat.com/sgrubb/libcap-ng">http://people.redhat.com/sgrubb/libcap-ng</a>

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<i>libccss-devel</i>	new	0.3.1	<a href="http://people.freedesktop.org/~robsta/libccss/">http://people.freedesktop.org/~robsta/libccss/</a>
<i>libcgroup</i>	0.33	0.34	<a href="http://libcgroup.sourceforge.net/">http://libcgroup.sourceforge.net/</a>
<i>libcgroup-devel</i>	0.33	0.34	<a href="http://libcgroup.sourceforge.net/">http://libcgroup.sourceforge.net/</a>
<i>libchamplain-devel</i>	0.2.9	0.4.2	<a href="http://projects.gnome.org/libchamplain/">http://projects.gnome.org/libchamplain/</a>
<i>libchamplain-gtk-devel</i>	new	0.4.2	<a href="http://projects.gnome.org/libchamplain/">http://projects.gnome.org/libchamplain/</a>
<i>libcmptutil-devel</i>	0.4	0.5	<a href="http://libvirt.org/CIM/">http://libvirt.org/CIM/</a>
<i>libcom_err</i>	new	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>
<i>libcom_err-devel</i>	new	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>
<i>libcompizconfig-devel</i>	0.7.8	0.8.2	<a href="http://www.opencompositing.org/">http://www.opencompositing.org/</a>
<i>libconfig-devel</i>	1.3.1	1.3.2	<a href="http://www.hyperrealm.com/libconfig/">http://www.hyperrealm.com/libconfig/</a>
<i>libcurl</i>	7.19.4	7.19.6	<a href="http://curl.haxx.se/">http://curl.haxx.se/</a>
<i>libcurl-devel</i>	7.19.4	7.19.6	<a href="http://curl.haxx.se/">http://curl.haxx.se/</a>
<i>libdaemon-devel</i>	0.13	0.14	<a href="http://0pointer.de/lennart/projects/libdaemon/">http://0pointer.de/lennart/projects/libdaemon/</a>
<i>libdap</i>	3.8.2	3.9.3	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>libdap-devel</i>	3.8.2	3.9.3	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>libdc1394-devel</i>	2.1.0	2.1.2	<a href="http://sourceforge.net/projects/libdc1394/">http://sourceforge.net/projects/libdc1394/</a>
<i>libdmapsharing</i>	1.9.0.4	1.9.0.10	<a href="http://sourceforge.net/projects/libdmapsharing/">http://sourceforge.net/projects/libdmapsharing/</a>
<i>libdmapsharing-devel</i>	1.9.0.4	1.9.0.10	<a href="http://sourceforge.net/projects/libdmapsharing/">http://sourceforge.net/projects/libdmapsharing/</a>
<i>libdmx-devel</i>	1.0.2	1.1.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libdrm-devel</i>	2.4.6	2.4.15	<a href="http://dri.sourceforge.net">http://dri.sourceforge.net</a>



组件	老版本	新版本	上游URL
<i>libdvdnv-devel</i>	4.1.3	4.1.4	n/a
<i>libdvddread-devel</i>	4.1.3	4.1.4	n/a

表 33. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>libepc-devel</i>	0.3.9	0.3.10	<a href="http://live.gnome.org/libepc/">http://live.gnome.org/libepc/</a>
<i>libepc-ui</i>	0.3.9	0.3.10	<a href="http://live.gnome.org/libepc/">http://live.gnome.org/libepc/</a>
<i>libetpan-devel</i>	0.57	0.58	<a href="http://www.etpan.org/">http://www.etpan.org/</a>
<i>libevent-devel</i>	1.4.5	1.4.12	<a href="http://monkey.org/~provos/libevent/">http://monkey.org/~provos/libevent/</a>
<i>libextractor-devel</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libfontenc-devel</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libfpIII-devel</i>	3.0.11	3.0.12	<a href="http://perso.ens-lyon.fr/damien.stehle/english.html#software">http://perso.ens-lyon.fr/damien.stehle/english.html#software</a>
<i>libftdi-c++</i>	new	0.16	<a href="http://www.intra2net.com/de/produkte/opensource/ftdi/">http://www.intra2net.com/de/produkte/opensource/ftdi/</a>
<i>libftdi-c++-devel</i>	new	0.16	<a href="http://www.intra2net.com/de/produkte/opensource/ftdi/">http://www.intra2net.com/de/produkte/opensource/ftdi/</a>
<i>libftdi-devel</i>	0.15	0.16	<a href="http://www.intra2net.com/de/produkte/opensource/ftdi/">http://www.intra2net.com/de/produkte/opensource/ftdi/</a>
<i>libftdi-python</i>	new	0.16	<a href="http://www.intra2net.com/de/produkte/opensource/ftdi/">http://www.intra2net.com/de/produkte/opensource/ftdi/</a>
<i>libfwbuilder-devel</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>libgadu-devel</i>	1.8.2	1.9.0	<a href="http://toxygen.net/libgadu/">http://toxygen.net/libgadu/</a>
<i>libgarmin-devel</i>	new	0	<a href="http://libgarmin.sourceforge.net/">http://libgarmin.sourceforge.net/</a>
<i>libgda-devel</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>

组件	老版本	新版本	上游URL
<i>libgda-mdb-devel</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-mysql-devel</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-postgres-devel</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-sqlite-devel</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgdamm-devel</i>	3.99.14	3.99.17.1	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>libgdata-devel</i>	0.1.1	0.5.0	<a href="http://live.gnome.org/libgdata">http://live.gnome.org/libgdata</a>
<i>libgdiplus-devel</i>	2.4	2.4.2	<a href="http://mono-project.com/Libgdiplus">http://mono-project.com/Libgdiplus</a>
<i>libgdl</i>	2.26.0	2.28.1	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>libgdl-devel</i>	2.26.0	2.28.1	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>libgearman</i>	new	0.9	<a href="http://www.gearman.org">http://www.gearman.org</a>
<i>libgearman-devel</i>	new	0.9	<a href="http://www.gearman.org">http://www.gearman.org</a>
<i>libgee-devel</i>	0.1.5	0.3.0	<a href="http://live.gnome.org/Libgee">http://live.gnome.org/Libgee</a>
<i>libglpng-devel</i>	new	1.45	<a href="https://admin.fedoraproject.org/pkgdb/packages/name/libglpng">https://admin.fedoraproject.org/pkgdb/packages/name/libglpng</a>
<i>libgnome-devel</i>	2.26.0	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>libgnomedb-devel</i>	3.99.7	dropped	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgnomekbd-devel</i>	2.26.0	2.28.0	<a href="http://gswitchit.sourceforge.net">http://gswitchit.sourceforge.net</a>
<i>libgnomemm26-devel</i>	2.26.0	2.28.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>libgnomeuimm26-devel</i>	2.26.0	2.28.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>libgphoto2</i>	2.4.5	2.4.7	<a href="http://www.gphoto.org/">http://www.gphoto.org/</a>
<i>libgphoto2-devel</i>	2.4.5	2.4.7	<a href="http://www.gphoto.org/">http://www.gphoto.org/</a>
<i>libgpod-devel</i>	0.7.0	0.7.2	<a href="http://www.gtkpod.org/libgpod.html">http://www.gtkpod.org/libgpod.html</a>
<i>libgsf-devel</i>	1.14.11	1.14.15	<a href="http://www.gnome.org/projects/libgsf/">http://www.gnome.org/projects/libgsf/</a>
<i>libgsf-gnome-devel</i>	1.14.11	1.14.15	<a href="http://www.gnome.org/projects/libgsf/">http://www.gnome.org/projects/libgsf/</a>

组件	老版本	新版本	上游URL
<i>libgsf-python</i>	1.14.11	1.14.15	<a href="http://www.gnome.org/projects/libgsf/">http://www.gnome.org/projects/libgsf/</a>
<i>libgtop2-devel</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/libgtop/2.28">http://download.gnome.org/sources/libgtop/2.28</a>
<i>libgudev1</i>	new	145	<a href="http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html">http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html</a>
<i>libgudev1-devel</i>	new	145	<a href="http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html">http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html</a>
<i>libguestfs</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>libguestfs-devel</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>libguestfs-java</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>libguestfs-java-devel</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>libguestfs-javadoc</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>libgweather-devel</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>libhangul-devel</i>	0.0.8	0.0.9	<a href="http://kldp.net/projects/hangul/">http://kldp.net/projects/hangul/</a>
<i>libhugetlbfs-devel</i>	2.2	2.6	<a href="http://libhugetlbfs.sourceforge.net/">http://libhugetlbfs.sourceforge.net/</a>
<i>libicns-devel</i>	0.6.2	0.7.0	<a href="http://icns.sourceforge.net/">http://icns.sourceforge.net/</a>
<i>libicu-devel</i>	4.0.1	4.2.1	<a href="http://www.icu-project.org/">http://www.icu-project.org/</a>
<i>libinfinity-devel</i>	new	0.3.0	<a href="http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity">http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity</a>
<i>libinfinity-gtk-devel</i>	new	0.3.0	<a href="http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity">http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity</a>
<i>libint-devel</i>	new	1.1.4	<a href="http://www.files.chem.vt.edu/chem-dept/valeev/software/libint/libint.html">http://www.files.chem.vt.edu/chem-dept/valeev/software/libint/libint.html</a>
<i>libiodbc-devel</i>	new	3.52.7	<a href="http://www.iodbc.org/">http://www.iodbc.org/</a>
<i>libiphone-devel</i>	0.1.0	0.9.3	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>
<i>libiphone-python</i>	new	0.9.3	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>

组件	老版本	新版本	上游URL
<i>libiptcdata</i>	1.0.3	1.0.4	<a href="http://libiptcdata.sourceforge.net/">http://libiptcdata.sourceforge.net/</a>
<i>libiptcdata-devel</i>	1.0.3	1.0.4	<a href="http://libiptcdata.sourceforge.net/">http://libiptcdata.sourceforge.net/</a>
<i>libiptcdata-python</i>	1.0.3	1.0.4	<a href="http://libiptcdata.sourceforge.net/">http://libiptcdata.sourceforge.net/</a>
<i>libirman-devel</i>	new	0.4.5	<a href="http://lirc.sourceforge.net/software/snapshots/">http://lirc.sourceforge.net/software/snapshots/</a>
<i>libisofs-devel</i>	0.6.16	0.6.20	<a href="http://libburnia-project.org/">http://libburnia-project.org/</a>
<i>libitl-devel</i>	0.6.4	0.7.0	<a href="http://www.arabeyes.org/project.php?proj=ITL">http://www.arabeyes.org/project.php?proj=ITL</a>
<i>libkate-devel</i>	0.3.1	0.3.6	<a href="http://code.google.com/p/libkate/">http://code.google.com/p/libkate/</a>
<i>libklfbackend-devel</i>	new	3.0.1	<a href="http://klatexformula.sourceforge.net/">http://klatexformula.sourceforge.net/</a>
<i>libksba-devel</i>	1.0.5	1.0.6	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
<i>libblastfm-devel</i>	new	0.3.0	<a href="http://github.com/mxcl/libblastfm/tree/master">http://github.com/mxcl/libblastfm/tree/master</a>
<i>libldb</i>	0.9.3	0.9.6	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>libldb-devel</i>	0.9.3	0.9.6	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>liblinebreak</i>	0.9.6	1.2	<a href="http://vimgadgets.cvs.sourceforge.net/vimgadgets/common/tools/linebreak">http://vimgadgets.cvs.sourceforge.net/vimgadgets/common/tools/linebreak</a>
<i>liblinebreak-devel</i>	new	1.2	<a href="http://vimgadgets.cvs.sourceforge.net/vimgadgets/common/tools/linebreak">http://vimgadgets.cvs.sourceforge.net/vimgadgets/common/tools/linebreak</a>
<i>liblqr-1-devel</i>	0.1.0	0.4.1	<a href="http://liquidrescale.wikidot.com/">http://liquidrescale.wikidot.com/</a>
<i>libmemcached-devel</i>	new	0.31	<a href="http://tangent.org/552/libmemcached.html">http://tangent.org/552/libmemcached.html</a>
<i>libmetalink-devel</i>	new	0.0.3	<a href="https://launchpad.net/libmetalink">https://launchpad.net/libmetalink</a>
<i>libmicrohttpd</i>	0.4.0a	0.4.2	<a href="http://www.gnu.org/software/libmicrohttpd/">http://www.gnu.org/software/libmicrohttpd/</a>
<i>libmicrohttpd-devel</i>	0.4.0a	0.4.2	<a href="http://www.gnu.org/software/libmicrohttpd/">http://www.gnu.org/software/libmicrohttpd/</a>
<i>libmkv-devel</i>	0.6.3.1	0.6.4	<a href="http://repo.or.cz/w/libmkv.git">http://repo.or.cz/w/libmkv.git</a>

组件	老版本	新版本	上游URL
<i>libmowgli-devel</i>	0.5.0	0.7.0	<a href="http://atheme.org">http://atheme.org</a>
<i>libmpd-devel</i>	0.16.1	0.18.0	<a href="http://gmpr.wikia.com/wiki/Gnome_Music_Player_Client">http://gmpr.wikia.com/wiki/Gnome_Music_Player_Client</a>
<i>libmudflap-devel</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libnc-dap</i>	3.7.3	3.7.4	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>libnc-dap-devel</i>	3.7.3	3.7.4	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>libnemesi</i>	0.6.4	0.6.9	<a href="http://www.lscube.org/projects/libnemesi">http://www.lscube.org/projects/libnemesi</a>
<i>libnemesi-devel</i>	0.6.4	0.6.9	<a href="http://www.lscube.org/projects/libnemesi">http://www.lscube.org/projects/libnemesi</a>
<i>libnet-devel</i>	1.1.3	1.1.4	<a href="http://www.sourceforge.net/projects/libnet-dev/">http://www.sourceforge.net/projects/libnet-dev/</a>
<i>libnice-devel</i>	0.0.6	0.0.9	<a href="http://nice.freedesktop.org/wiki/">http://nice.freedesktop.org/wiki/</a>
<i>libogg-devel</i>	1.1.3	1.1.4	<a href="http://www.xiph.org/">http://www.xiph.org/</a>
<i>libogg-devel-docs</i>	new	1.1.4	<a href="http://www.xiph.org/">http://www.xiph.org/</a>
<i>libotf-devel</i>	0.9.8	0.9.9	<a href="http://www.m17n.org/libotf/">http://www.m17n.org/libotf/</a>
<i>libp11</i>	0.2.3	0.2.6	<a href="http://www.opensc-project.org/libp11">http://www.opensc-project.org/libp11</a>
<i>libp11-devel</i>	0.2.3	0.2.6	<a href="http://www.opensc-project.org/libp11">http://www.opensc-project.org/libp11</a>
<i>libpanelappletmm-devel</i>	2.22.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>libpano13</i>	2.9.12	2.9.14	<a href="http://panotools.sourceforge.net/">http://panotools.sourceforge.net/</a>
<i>libpano13-devel</i>	2.9.12	2.9.14	<a href="http://panotools.sourceforge.net/">http://panotools.sourceforge.net/</a>
<i>libpathfinder-nss-devel</i>	new	1.1.0	<a href="http://code.google.com/p/pathfinder-pki/">http://code.google.com/p/pathfinder-pki/</a>
<i>libpathfinder-openssl-devel</i>	new	1.1.0	<a href="http://code.google.com/p/pathfinder-pki/">http://code.google.com/p/pathfinder-pki/</a>
<i>libpcap</i>	0.9.8	1.0.0	<a href="http://www.tcpdump.org">http://www.tcpdump.org</a>
<i>libpcap-devel</i>	0.9.8	1.0.0	<a href="http://www.tcpdump.org">http://www.tcpdump.org</a>
<i>libpciaccess-devel</i>	0.10.5	0.10.9	<a href="http://gitweb.freedesktop.org/">http://gitweb.freedesktop.org/?</a>

组件	老版本	新版本	上游URL
			<a href="http://p=xorg/lib/libpciaccess.git">p=xorg/lib/libpciaccess.git</a>
<i>libplist-devel</i>	new	0.13	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>
<i>libplist-python</i>	new	0.13	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>
<i>libpng-devel</i>	1.2.35	1.2.39	<a href="http://www.libpng.org/pub/png/">http://www.libpng.org/pub/png/</a>
<i>libpng-static</i>	1.2.35	1.2.39	<a href="http://www.libpng.org/pub/png/">http://www.libpng.org/pub/png/</a>
<i>libpng10-devel</i>	1.0.43	1.0.50	<a href="http://www.libpng.org/pub/png/libpng.html">http://www.libpng.org/pub/png/libpng.html</a>
<i>libpri-devel</i>	1.4.7	1.4.10	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>libpst-devel</i>	0.6.36	0.6.44	<a href="http://www.five-ten-sg.com/libpst/">http://www.five-ten-sg.com/libpst/</a>
<i>libpst-libs</i>	0.6.36	0.6.44	<a href="http://www.five-ten-sg.com/libpst/">http://www.five-ten-sg.com/libpst/</a>
<i>libpst-python</i>	new	0.6.44	<a href="http://www.five-ten-sg.com/libpst/">http://www.five-ten-sg.com/libpst/</a>
<i>libpuzzle-devel</i>	new	0.11	<a href="http://libpuzzle.pureftpd.org/project/libpuzzle">http://libpuzzle.pureftpd.org/project/libpuzzle</a>
<i>libqinfinity-devel</i>	new	1.0	<a href="http://gregghaynes.github.com/libqinfinity/">http://gregghaynes.github.com/libqinfinity/</a>
<i>librapi-devel</i>	0.13.1	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libraw1394-devel</i>	2.0.1	2.0.4	<a href="http://www.dennedy.org/libraw1394/">http://www.dennedy.org/libraw1394/</a>
<i>librra-devel</i>	0.13	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libsamplerate-devel</i>	0.1.6	0.1.7	<a href="http://www.mega-nerd.com/SRC/">http://www.mega-nerd.com/SRC/</a>
<i>libselinux-devel</i>	2.0.80	2.0.87	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libselinux-python</i>	2.0.80	2.0.87	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libselinux-ruby</i>	2.0.80	2.0.87	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libselinux-static</i>	2.0.80	2.0.87	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libselinux-utils</i>	2.0.80	2.0.87	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>

组件	老版本	新版本	上游URL
<i>libsemanage-devel</i>	2.0.31	2.0.39	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsemanage-python</i>	2.0.31	2.0.39	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsepol-devel</i>	2.0.36	2.0.38	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsepol-static</i>	2.0.36	2.0.38	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsigc++20-devel</i>	2.2.2	2.2.4.2	<a href="http://libsigc.sourceforge.net/">http://libsigc.sourceforge.net/</a>
<i>libsilc-devel</i>	1.1.8	1.1.10	<a href="http://www.silcnet.org/">http://www.silcnet.org/</a>
<i>libsndfile-devel</i>	1.0.17	1.0.20	<a href="http://www.mega-nerd.com/libsndfile/">http://www.mega-nerd.com/libsndfile/</a>
<i>libsoup</i>	2.26.1	2.28.1	<a href="http://live.gnome.org/LibSoup">http://live.gnome.org/LibSoup</a>
<i>libsoup-devel</i>	2.26.1	2.28.1	<a href="http://live.gnome.org/LibSoup">http://live.gnome.org/LibSoup</a>
<i>libsphinxclient</i>	new	0.9.8.1	<a href="http://sphinxsearch.com">http://sphinxsearch.com</a>
<i>libsphinxclient-devel</i>	new	0.9.8.1	<a href="http://sphinxsearch.com">http://sphinxsearch.com</a>
<i>libss</i>	new	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>
<i>libss-devel</i>	new	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>
<i>libss7-devel</i>	1.0.1	1.0.2	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>libssh-devel</i>	new	0.2	<a href="http://0xbadc0de.be/?part=libssh">http://0xbadc0de.be/?part=libssh</a>
<i>libssh2-devel</i>	1.0	1.2	<a href="http://www.libssh2.org/">http://www.libssh2.org/</a>
<i>libssh2-docs</i>	1.0	1.2	<a href="http://www.libssh2.org/">http://www.libssh2.org/</a>
<i>libstdc++-devel</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libstdc++-docs</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libsynce-devel</i>	0.13	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libtalloc-devel</i>	1.2.0	2.0.0	<a href="http://talloc.samba.org/">http://talloc.samba.org/</a>
<i>libtasn1-devel</i>	1.8	2.3	<a href="http://www.gnu.org/software/libtasn1/">http://www.gnu.org/software/libtasn1/</a>
<i>libtdb-devel</i>	1.1.3	1.1.5	<a href="http://tdb.samba.org/">http://tdb.samba.org/</a>
<i>libtevent</i>	0.9.3	0.9.8	<a href="http://tevent.samba.org/">http://tevent.samba.org/</a>
<i>libtevent-devel</i>	0.9.3	0.9.8	<a href="http://tevent.samba.org/">http://tevent.samba.org/</a>
<i>libthai-devel</i>	0.1.9	0.1.12	<a href="http://linux.thai.net">http://linux.thai.net</a>

组件	老版本	新版本	上游URL
<i>libtheora-devel</i>	1.0	1.1.0	<a href="http://www.theora.org">http://www.theora.org</a>
<i>libtheora-devel-docs</i>	1.0	1.1.0	<a href="http://www.theora.org">http://www.theora.org</a>
<i>libtirpc-devel</i>	0.1.10	0.2.0	<a href="http://nfsv4.bullopensource.org/">http://nfsv4.bullopensource.org/</a>
<i>libtnc-devel</i>	new	1.22	<a href="http://libtnc.sourceforge.net/">http://libtnc.sourceforge.net/</a>
<i>libtopology-doc</i>	new	0.3	<a href="http://libtopology.ozlabs.org/">http://libtopology.ozlabs.org/</a>
<i>libtorrent-devel</i>	0.12.4	0.12.5	<a href="http://libtorrent.rakshasa.no/">http://libtorrent.rakshasa.no/</a>
<i>libudev-devel</i>	141	145	<a href="http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html">http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html</a>
<i>libusb1-devel</i>	1.0.0	1.0.3	<a href="http://libusb.wiki.sourceforge.net/Libusb1.0">http://libusb.wiki.sourceforge.net/Libusb1.0</a>
<i>libusb1-static</i>	1.0.0	1.0.3	<a href="http://libusb.wiki.sourceforge.net/Libusb1.0">http://libusb.wiki.sourceforge.net/Libusb1.0</a>
<i>libuser-devel</i>	0.56.9	0.56.12	<a href="https://fedorahosted.org/libuser/">https://fedorahosted.org/libuser/</a>
<i>libuser-python</i>	0.56.9	0.56.12	<a href="https://fedorahosted.org/libuser/">https://fedorahosted.org/libuser/</a>
<i>libuuid</i>	new	2.16	<a href="ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng">ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng</a>
<i>libuuid-devel</i>	new	2.16	<a href="ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng">ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng</a>
<i>libv4l-devel</i>	0.5.9	0.6.3	<a href="http://hansdegoede.livejournal.com/3636.html">http://hansdegoede.livejournal.com/3636.html</a>
<i>libvirt</i>	0.6.2	0.7.1	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>libvirt-cim</i>	0.5.4	0.5.7	<a href="http://libvirt.org/CIM/">http://libvirt.org/CIM/</a>
<i>libvirt-client</i>	new	0.7.1	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>libvirt-devel</i>	0.6.2	0.7.1	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>libvirt-java</i>	0.2.1	0.3.0	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>libvirt-java-devel</i>	0.2.1	0.3.0	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>libvirt-python</i>	0.6.2	0.7.1	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>libvmime-devel</i>	new	0.9.0	<a href="http://www.vmime.org/">http://www.vmime.org/</a>
<i>libvmime-static</i>	new	0.9.0	<a href="http://www.vmime.org/">http://www.vmime.org/</a>



组件	老版本	新版本	上游URL
<i>libvncserver-devel</i>	0.9.1	0.9.7	<a href="http://libvncserver.sourceforge.net/">http://libvncserver.sourceforge.net/</a>
<i>libvoikko-devel</i>	2.1	2.2.1	<a href="http://voikko.sourceforge.net/">http://voikko.sourceforge.net/</a>
<i>libvorbis-devel</i>	1.2.0	1.2.3	<a href="http://www.xiph.org/">http://www.xiph.org/</a>
<i>libvorbis-devel-docs</i>	new	1.2.3	<a href="http://www.xiph.org/">http://www.xiph.org/</a>
<i>libwnck-devel</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/libwnck/">http://download.gnome.org/sources/libwnck/</a>

表 34. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>libwvstreams-devel</i>	4.5.1	4.6	<a href="http://alumnit.ca/wiki/index.php?page=WvStreams">http://alumnit.ca/wiki/index.php?page=WvStreams</a>
<i>libxcb-devel</i>	1.2	1.4	<a href="http://xcb.freedesktop.org/">http://xcb.freedesktop.org/</a>
<i>libxcb-python</i>	new	1.4	<a href="http://xcb.freedesktop.org/">http://xcb.freedesktop.org/</a>
<i>libxdg-basedir-devel</i>	new	1.0.2	<a href="http://n.ethz.ch/student/nevillm/download/libxdg-basedir">http://n.ethz.ch/student/nevillm/download/libxdg-basedir</a>
<i>libxkbfile-devel</i>	1.0.4	1.0.6	<a href="http://www.x.org">http://www.x.org</a>
<i>libxklavier</i>	3.9	4.0	<a href="http://gswitchit.sourceforge.net/">http://gswitchit.sourceforge.net/</a>
<i>libxklavier-devel</i>	3.9	4.0	<a href="http://gswitchit.sourceforge.net/">http://gswitchit.sourceforge.net/</a>
<i>libxml2</i>	2.7.3	2.7.6	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
<i>libxml2-devel</i>	2.7.3	2.7.6	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
<i>libxml2-python</i>	2.7.3	2.7.6	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
<i>libxml2-static</i>	2.7.3	2.7.6	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
<i>libxslt</i>	1.1.24	1.1.26	<a href="http://xmlsoft.org/XSLT/">http://xmlsoft.org/XSLT/</a>
<i>libxslt-devel</i>	1.1.24	1.1.26	<a href="http://xmlsoft.org/XSLT/">http://xmlsoft.org/XSLT/</a>
<i>libxslt-python</i>	1.1.24	1.1.26	<a href="http://xmlsoft.org/XSLT/">http://xmlsoft.org/XSLT/</a>
<i>libyaz-devel</i>	3.0.41	3.0.49	<a href="http://www.indexdata.dk/yaz/">http://www.indexdata.dk/yaz/</a>
<i>libzdb-devel</i>	2.4	2.6	<a href="http://www.tildeslash.com/libzdb/">http://www.tildeslash.com/libzdb/</a>
<i>lirc-devel</i>	0.8.5	0.8.6	<a href="http://www.lirc.org/">http://www.lirc.org/</a>
<i>llvm-ocaml</i>	2.5	2.6	<a href="http://llvm.org/">http://llvm.org/</a>

组件	老版本	新版本	上游URL
<i>llvm-ocaml-devel</i>	2.5	2.6	<a href="http://llvm.org/">http://llvm.org/</a>
<i>lmms-devel</i>	0.4.3	0.4.5	<a href="http://lmms.sourceforge.net/">http://lmms.sourceforge.net/</a>
<i>loki-lib</i>	0.1.6	0.1.7	<a href="http://sourceforge.net/projects/loki-lib">http://sourceforge.net/projects/loki-lib</a>
<i>loki-lib-devel</i>	0.1.6	0.1.7	<a href="http://sourceforge.net/projects/loki-lib">http://sourceforge.net/projects/loki-lib</a>
<i>lpg</i>	new	2.0.17	<a href="http://lpg.sourceforge.net/">http://lpg.sourceforge.net/</a>
<i>lpg-java</i>	new	2.0.17	<a href="http://lpg.sourceforge.net/">http://lpg.sourceforge.net/</a>
<i>lpg-java-compatible</i>	new	1.1.0	<a href="http://lpg.sourceforge.net/">http://lpg.sourceforge.net/</a>
<i>lpsolve-devel</i>	5.5.0.14	5.5.0.15	<a href="http://sourceforge.net/projects/lpsolve">http://sourceforge.net/projects/lpsolve</a>
<i>lua-filesystem</i>	1.4.1	1.4.2	<a href="http://www.keplerproject.org/luafs/">http://www.keplerproject.org/luafs/</a>
<i>lvm2-devel</i>	new	2.02.53	<a href="http://sources.redhat.com/lvm2">http://sources.redhat.com/lvm2</a>
<i>lxc-devel</i>	new	0.6.3	<a href="http://lxc.sourceforge.net">http://lxc.sourceforge.net</a>
<i>lxpanel-devel</i>	0.4.0	0.5.3	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>m17n-db-devel</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-lib-devel</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>maloc-devel</i>	new	0.2	<a href="http://www.fetk.org">http://www.fetk.org</a>
<i>mapnik-demo</i>	0.5.2	0.6.1	<a href="http://mapnik.org/">http://mapnik.org/</a>
<i>mapnik-python</i>	0.5.2	0.6.1	<a href="http://mapnik.org/">http://mapnik.org/</a>
<i>mapnik-utils</i>	0.5.2	0.6.1	<a href="http://mapnik.org/">http://mapnik.org/</a>
<i>matio-devel</i>	new	1.3.3	<a href="http://sourceforge.net/projects/matio">http://sourceforge.net/projects/matio</a>
<i>maven-archiver</i>	new	2.2	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven-embedder</i>	new	2.0.4	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven-enforcer-rule-api</i>	new	1.0	<a href="http://svn.apache.org/repos/asf/maven/shared/tags/maven-">http://svn.apache.org/repos/asf/maven/shared/tags/maven-</a>

组件	老版本	新版本	上游URL
			<a href="#">enforcer-rule-api-1.0-alpha-2</a>
<i>maven-plugin-tools</i>	new	2.1	<a href="http://maven.apache.org/plugin-tools/">http://maven.apache.org/plugin-tools/</a>
<i>maven-scm</i>	1.0	1.2	<a href="http://maven.apache.org/scm">http://maven.apache.org/scm</a>
<i>maven-shared</i>	1.0	8	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven-shared-file-management</i>	1.0	1.2	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>memcached-devel</i>	new	1.4.1	<a href="http://www.danga.com/memcached/">http://www.danga.com/memcached/</a>
<i>menu-cache-devel</i>	0.2.3	0.2.5	<a href="http://lxde.org">http://lxde.org</a>
<i>mesa-demos</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>mesa-libGL-devel</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>mesa-libGLU-devel</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>mesa-libOSMesa-devel</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>meshmagick-devel</i>	0.5.2	0.6.0	<a href="http://www.ogre3d.org/wiki/index.php/MeshMagick">http://www.ogre3d.org/wiki/index.php/MeshMagick</a>
<i>metacity-devel</i>	2.26.0	2.28.0	<a href="http://download.gnome.org/sources/metacity/">http://download.gnome.org/sources/metacity/</a>
<i>mhash-devel</i>	0.9.9	0.9.9.9	<a href="http://mhash.sourceforge.net/">http://mhash.sourceforge.net/</a>
<i>mimetic-devel</i>	0.9.5	0.9.6	<a href="http://codesink.org/mimetic_mime_library.html">http://codesink.org/mimetic_mime_library.html</a>
<i>mingw32-atk</i>	1.25.2	1.27.90	<a href="http://projects.gnome.org/accessibility/">http://projects.gnome.org/accessibility/</a>
<i>mingw32-atk-static</i>	1.25.2	1.27.90	<a href="http://projects.gnome.org/accessibility/">http://projects.gnome.org/accessibility/</a>
<i>mingw32-binutils</i>	2.19.1	2.19.51.0.14	<a href="http://sources.redhat.com/binutils">http://sources.redhat.com/binutils</a>
<i>mingw32-boost</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>mingw32-boost-static</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>mingw32-cairo</i>	1.8.6	1.8.8	<a href="http://cairographics.org">http://cairographics.org</a>

组件	老版本	新版本	上游URL
<i>mingw32-cairo-static</i>	new	1.8.8	<a href="http://cairographics.org">http://cairographics.org</a>
<i>mingw32-cppunit</i>	new	1.12.1	<a href="http://cppunit.sourceforge.net/">http:// cppunit.sourceforge.net/</a>
<i>mingw32-enchant-static</i>	new	1.5.0	<a href="http://www.abisource.com/">http:// www.abisource.com/</a>
<i>mingw32-filesystem</i>	50	56	<a href="http://hg.et.redhat.com/misc/fedora-mingw--devel/">http://hg.et.redhat.com/ misc/fedora-mingw-- devel/</a>
<i>mingw32-gettext-static</i>	new	0.17	<a href="http://www.gnu.org/software/gettext/">http://www.gnu.org/ software/gettext/</a>
<i>mingw32-glib2</i>	2.19.10	2.22.0	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>mingw32-glib2-static</i>	2.19.10	2.22.0	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>mingw32-glibmm24</i>	2.19.2	2.22.1	<a href="http://gtkmm.sourceforge.net/">http:// gtkmm.sourceforge.net/</a>
<i>mingw32-gtk2</i>	2.15.5	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>mingw32-gtk2-static</i>	2.15.5	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>mingw32-gtkmm24</i>	new	2.18.1	<a href="http://gtkmm.sourceforge.net/">http:// gtkmm.sourceforge.net/</a>
<i>mingw32-hunspell-static</i>	new	1.2.8	<a href="http://hunspell.sourceforge.net/">http:// hunspell.sourceforge.net/</a>
<i>mingw32-jasper-static</i>	new	1.900.1	<a href="http://www.ece.uvic.ca/~mdadams/jasper/">http://www.ece.uvic.ca/ ~mdadams/jasper/</a>
<i>mingw32-libglade2</i>	new	2.6.4	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>mingw32-libglade2-static</i>	new	2.6.4	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>mingw32-libgnurx</i>	new	2.5.1	<a href="http://mingw.sourceforge.net/">http:// mingw.sourceforge.net/</a>
<i>mingw32-libgnurx-static</i>	new	2.5.1	<a href="http://mingw.sourceforge.net/">http:// mingw.sourceforge.net/</a>
<i>mingw32-libidn</i>	new	1.14	<a href="http://www.gnu.org/software/libidn/">http://www.gnu.org/ software/libidn/</a>
<i>mingw32-libidn-static</i>	new	1.14	<a href="http://www.gnu.org/software/libidn/">http://www.gnu.org/ software/libidn/</a>
<i>mingw32-libjpeg</i>	6b	7	<a href="http://www.ijg.org/">http://www.ijg.org/</a>
<i>mingw32-libjpeg-static</i>	new	7	<a href="http://www.ijg.org/">http://www.ijg.org/</a>
<i>mingw32-libp11</i>	new	0.2.6	<a href="http://www.opensc-project.org/libp11">http://www.opensc- project.org/libp11</a>
<i>mingw32-libpng</i>	1.2.35	1.2.37	<a href="http://www.libpng.org/pub/png/">http://www.libpng.org/ pub/png/</a>
<i>mingw32-libsigc++20</i>	2.2.2	2.2.4.2	<a href="http://libsigc.sourceforge.net/">http:// libsigc.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>mingw32-libsoup</i>	new	2.27.92	<a href="http://live.gnome.org/LibSoup">http://live.gnome.org/LibSoup</a>
<i>mingw32-libsoup-static</i>	new	2.27.92	<a href="http://live.gnome.org/LibSoup">http://live.gnome.org/LibSoup</a>
<i>mingw32-libsq3</i>	new	20071018	<a href="http://www.wanderinghorse.net/computing/sqlite/">http://www.wanderinghorse.net/computing/sqlite/</a>
<i>mingw32-libssh2</i>	new	1.1	<a href="http://www.libssh2.org/">http://www.libssh2.org/</a>
<i>mingw32-libssh2-static</i>	new	1.1	<a href="http://www.libssh2.org/">http://www.libssh2.org/</a>
<i>mingw32-libtiff-static</i>	new	3.8.2	<a href="http://www.remotesensing.org/libtiff/">http://www.remotesensing.org/libtiff/</a>
<i>mingw32-libxml2</i>	2.7.2	2.7.5	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
<i>mingw32-libxml2-static</i>	new	2.7.5	<a href="http://xmlsoft.org/">http://xmlsoft.org/</a>
<i>mingw32-libxslt</i>	new	1.1.26	<a href="http://xmlsoft.org/XSLT/">http://xmlsoft.org/XSLT/</a>
<i>mingw32-libxslt-static</i>	new	1.1.26	<a href="http://xmlsoft.org/XSLT/">http://xmlsoft.org/XSLT/</a>
<i>mingw32-minizip</i>	new	1.2.3	<a href="http://www.zlib.net/">http://www.zlib.net/</a>
<i>mingw32-nsis</i>	2.44	2.45	<a href="http://nsis.sourceforge.net/">http://nsis.sourceforge.net/</a>
<i>mingw32-nsiswrapper</i>	3	4	<a href="http://fedoraproject.org/wiki/MinGW">http://fedoraproject.org/wiki/MinGW</a>
<i>mingw32-opensc</i>	new	0.11.9	<a href="http://www.opensc-project.org/opensc/">http://www.opensc-project.org/opensc/</a>
<i>mingw32-openssl</i>	0.9.8j	1.0.0	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
<i>mingw32-openssl-static</i>	new	1.0.0	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
<i>mingw32-pango</i>	1.23.0	1.26.0	<a href="http://www.pango.org">http://www.pango.org</a>
<i>mingw32-pango-static</i>	1.23.0	1.26.0	<a href="http://www.pango.org">http://www.pango.org</a>
<i>mingw32-pangomm</i>	2.24.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>mingw32-pixman</i>	0.13.2	0.16.2	<a href="http://cgit.freedesktop.org/pixman/">http://cgit.freedesktop.org/pixman/</a>
<i>mingw32-pixman-static</i>	new	0.16.2	<a href="http://cgit.freedesktop.org/pixman/">http://cgit.freedesktop.org/pixman/</a>
<i>mingw32-plotmm</i>	new	0.1.2	<a href="http://plotmm.sourceforge.net/">http://plotmm.sourceforge.net/</a>
<i>mingw32-qt</i>	4.5.0	4.5.2	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>mingw32-qt-qmake</i>	4.5.0	4.5.2	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>

组件	老版本	新版本	上游URL
<i>miredo-devel</i>	new	1.1.7	<a href="http://www.simpnalempin.com/dev/miredo/">http://www.simpnalempin.com/dev/miredo/</a>
<i>mkinitrd-devel</i>	6.0.86	6.0.93	<a href="git://git.fedoraproject.org/git/hosted/mkinitrd">git://git.fedoraproject.org/git/hosted/mkinitrd</a>
<i>mmdb-devel</i>	1.19	1.21	<a href="http://www.ebi.ac.uk/~keb/cldoc/">http://www.ebi.ac.uk/~keb/cldoc/</a>
<i>mobile-broadband-provider-info-devel</i>	new	1.20090918	<a href="http://live.gnome.org/NetworkManager/MobileBroadband/ServiceProviders">http://live.gnome.org/NetworkManager/MobileBroadband/ServiceProviders</a>
<i>moblin-panel-myzone-devel</i>	new	0.0.8	<a href="http://www.moblin.org">http://www.moblin.org</a>
<i>mojito-devel</i>	new	0.21.5	<a href="http://moblin.org/projects/mojito">http://moblin.org/projects/mojito</a>
<i>mono-basic-devel</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>mono-debugger-devel</i>	2.4	2.4.2.1	<a href="http://www.go-mono.com/sources-stable/">http://www.go-mono.com/sources-stable/</a>
<i>mono-moonlight</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mono-nat</i>	1.0	1.0.2	<a href="http://anonsvn.mono-project.com/viewcvs/trunk/Mono.Nat/">http://anonsvn.mono-project.com/viewcvs/trunk/Mono.Nat/</a>
<i>mono-nat-devel</i>	1.0	1.0.2	<a href="http://anonsvn.mono-project.com/viewcvs/trunk/Mono.Nat/">http://anonsvn.mono-project.com/viewcvs/trunk/Mono.Nat/</a>
<i>mono-nunit-devel</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>monodevelop-debugger-mdb-devel</i>	new	2.1.0	<a href="http://www.monodevelop.com">http://www.monodevelop.com</a>
<i>monodevelop-devel</i>	2.0	2.1.0	<a href="http://monodevelop.com/">http://monodevelop.com/</a>
<i>mpich2</i>	1.1	1.1.1p1	<a href="http://www.mcs.anl.gov/research/projects/mpich2">http://www.mcs.anl.gov/research/projects/mpich2</a>
<i>mpich2-devel</i>	1.1	1.1.1p1	<a href="http://www.mcs.anl.gov/research/projects/mpich2">http://www.mcs.anl.gov/research/projects/mpich2</a>

组件	老版本	新版本	上游URL
<i>mrpt-aria</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-core</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-devel</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-hwdrivers</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-libs</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-monoslam</i>	new	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-reactivenav</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>mrpt-stereoslam</i>	new	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>
<i>muine-devel</i>	0.8.10	0.8.11	<a href="http://www.muine-player.org/">http://www.muine-player.org/</a>
<i>mumble-plugins</i>	new	1.1.8	<a href="http://mumble.sourceforge.net/">http://mumble.sourceforge.net/</a>
<i>mutter-devel</i>	new	2.28.0	<a href="http://git.gnome.org/cgi/mutter">http://git.gnome.org/cgi/mutter</a>
<i>mutter-moblin-devel</i>	new	0.39.3	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>nautilus-devel</i>	2.26.3	2.28.1	<a href="http://projects.gnome.org/nautilus/">http://projects.gnome.org/nautilus/</a>
<i>nautilus-extensions</i>	2.26.3	2.28.1	<a href="http://projects.gnome.org/nautilus/">http://projects.gnome.org/nautilus/</a>
<i>nbtck-devel</i>	new	1.2.0	<a href="http://moblin.org/projects/netbook-toolkit-nbtk">http://moblin.org/projects/netbook-toolkit-nbtk</a>
<i>ncl-devel</i>	5.1.0	5.1.1	<a href="http://www.ncl.ucar.edu">http://www.ncl.ucar.edu</a>
<i>ncl-examples</i>	5.1.0	5.1.1	<a href="http://www.ncl.ucar.edu">http://www.ncl.ucar.edu</a>
<i>nco-devel</i>	3.9.7	3.9.8	<a href="http://nco.sourceforge.net/">http://nco.sourceforge.net/</a>
<i>nco-static</i>	3.9.7	3.9.8	<a href="http://nco.sourceforge.net/">http://nco.sourceforge.net/</a>
<i>neon-devel</i>	0.28.4	0.29.0	<a href="http://www.webdav.org/neon/">http://www.webdav.org/neon/</a>
<i>netatalk-devel</i>	2.0.3	2.0.4	<a href="http://netatalk.sourceforge.net/">http://netatalk.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>netbeans-javaparser</i>	6.5	6.7.1	<a href="http://java.netbeans.org/javaparser/">http://java.netbeans.org/javaparser/</a>
<i>netbeans-platform</i>	6.5	6.7.1	<a href="http://platform.netbeans.org">http://platform.netbeans.org</a>
<i>netbeans-platform-harness</i>	6.5	6.7.1	<a href="http://platform.netbeans.org">http://platform.netbeans.org</a>
<i>netbeans-resolver</i>	6.1	6.7.1	<a href="http://xml.apache.org/commons/">http://xml.apache.org/commons/</a>
<i>netbeans-svnclientadapter</i>	6.5	6.7.1	<a href="http://subclipse.tigris.org/svnClientAdapter.html">http://subclipse.tigris.org/svnClientAdapter.html</a>
<i>netcdf-devel</i>	4.0.0	4.0.1	<a href="http://my.unidata.ucar.edu/content/software/netcdf/index.html">http://my.unidata.ucar.edu/content/software/netcdf/index.html</a>
<i>netcdf-perl</i>	1.2.3	1.2.4	<a href="http://www.unidata.ucar.edu/software/netcdf-perl/">http://www.unidata.ucar.edu/software/netcdf-perl/</a>
<i>netcdf-static</i>	4.0.0	4.0.1	<a href="http://my.unidata.ucar.edu/content/software/netcdf/index.html">http://my.unidata.ucar.edu/content/software/netcdf/index.html</a>
<i>netcf-devel</i>	new	0.1.2	<a href="https://fedorahosted.org/netcf/">https://fedorahosted.org/netcf/</a>
<i>netembryo</i>	0.0.5	0.0.9	<a href="http://www.lscube.org/projects/netembryo">http://www.lscube.org/projects/netembryo</a>
<i>netembryo-devel</i>	0.0.5	0.0.9	<a href="http://www.lscube.org/projects/netembryo">http://www.lscube.org/projects/netembryo</a>
<i>netpbm-devel</i>	10.35.62	10.47.04	<a href="http://netpbm.sourceforge.net/">http://netpbm.sourceforge.net/</a>
<i>newt-devel</i>	0.52.10	0.52.11	<a href="https://fedorahosted.org/newt/">https://fedorahosted.org/newt/</a>
<i>newt-python</i>	0.52.10	0.52.11	<a href="https://fedorahosted.org/newt/">https://fedorahosted.org/newt/</a>
<i>newt-static</i>	0.52.10	0.52.11	<a href="https://fedorahosted.org/newt/">https://fedorahosted.org/newt/</a>
<i>nilfs-utils-devel</i>	new	2.0.14	<a href="http://www.nilfs.org">http://www.nilfs.org</a>
<i>nopaste</i>	2835	0.15	<a href="http://search.cpan.org/dist/App-Nopaste/">http://search.cpan.org/dist/App-Nopaste/</a>
<i>nspr-devel</i>	4.7.3	4.8.2	<a href="http://www.mozilla.org/projects/nspr/">http://www.mozilla.org/projects/nspr/</a>



组件	老版本	新版本	上游URL
<i>nss-devel</i>	3.12.3	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>
<i>nss-pkcs11-devel</i>	3.12.3	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>
<i>nss-softokn-devel</i>	new	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>
<i>nss-util-devel</i>	new	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>
<i>ntl-devel</i>	5.4.2	5.5.2	<a href="http://shoup.net/ntl/">http://shoup.net/ntl/</a>
<i>nurbs++</i>	new	3.0.11	<a href="http://sourceforge.net/projects/libnurbs/">http://sourceforge.net/projects/libnurbs/</a>
<i>nurbs++-devel</i>	new	3.0.11	<a href="http://sourceforge.net/projects/libnurbs/">http://sourceforge.net/projects/libnurbs/</a>
<i>nxcl-devel</i>	new	0.9	<a href="http://freenx.berlios.de/">http://freenx.berlios.de/</a>
<i>ocaml-ancient</i>	new	0.9.0	<a href="http://merjjs.com/developers/ancient">http://merjjs.com/developers/ancient</a>
<i>ocaml-ancient-devel</i>	new	0.9.0	<a href="http://merjjs.com/developers/ancient">http://merjjs.com/developers/ancient</a>
<i>ocaml-autoconf</i>	new	1.0	<a href="http://forge.ocamlcore.org/projects/ocaml-autoconf/">http://forge.ocamlcore.org/projects/ocaml-autoconf/</a>
<i>ocaml-camlp5</i>	5.10	5.12	<a href="http://pauillac.inria.fr/~ddr/camlp5/">http://pauillac.inria.fr/~ddr/camlp5/</a>
<i>ocaml-camlp5-devel</i>	5.10	5.12	<a href="http://pauillac.inria.fr/~ddr/camlp5/">http://pauillac.inria.fr/~ddr/camlp5/</a>
<i>ocaml-cil</i>	1.3.6	1.3.7	<a href="http://cil.sourceforge.net/">http://cil.sourceforge.net/</a>
<i>ocaml-cil-cilly</i>	1.3.6	1.3.7	<a href="http://cil.sourceforge.net/">http://cil.sourceforge.net/</a>
<i>ocaml-cil-devel</i>	1.3.6	1.3.7	<a href="http://cil.sourceforge.net/">http://cil.sourceforge.net/</a>
<i>ocaml-cil-doc</i>	1.3.6	1.3.7	<a href="http://cil.sourceforge.net/">http://cil.sourceforge.net/</a>
<i>ocaml-curl</i>	0.5.0	0.5.1	<a href="http://sourceforge.net/projects/ocurl">http://sourceforge.net/projects/ocurl</a>
<i>ocaml-curl-devel</i>	0.5.0	0.5.1	<a href="http://sourceforge.net/projects/ocurl">http://sourceforge.net/projects/ocurl</a>

组件	老版本	新版本	上游URL
<i>ocaml-findlib</i>	1.2.3	1.2.4	<a href="http://projects.camlcity.org/projects/findlib.html">http://projects.camlcity.org/projects/findlib.html</a>
<i>ocaml-findlib-devel</i>	1.2.3	1.2.4	<a href="http://projects.camlcity.org/projects/findlib.html">http://projects.camlcity.org/projects/findlib.html</a>
<i>ocaml-json-wheel</i>	1.0.4	1.0.6	<a href="http://martin.jambon.free.fr/json-wheel.html">http://martin.jambon.free.fr/json-wheel.html</a>
<i>ocaml-json-wheel-devel</i>	1.0.4	1.0.6	<a href="http://martin.jambon.free.fr/json-wheel.html">http://martin.jambon.free.fr/json-wheel.html</a>
<i>ocaml-lablgl-devel</i>	1.03	1.04	<a href="http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgl.html">http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgl.html</a>
<i>ocaml-lablgtk-devel</i>	2.12.0	2.14.0	<a href="http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgtk.html">http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgtk.html</a>
<i>ocaml-lablgtk-devel</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-lacaml</i>	4.7.6	5.1.0	<a href="http://ocaml.info/home/ocaml_sources.html#lacaml">http://ocaml.info/home/ocaml_sources.html#lacaml</a>
<i>ocaml-lacaml-devel</i>	4.7.6	5.1.0	<a href="http://ocaml.info/home/ocaml_sources.html#lacaml">http://ocaml.info/home/ocaml_sources.html#lacaml</a>
<i>ocaml-libguestfs</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>ocaml-libguestfs-devel</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>

表 35. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>ocaml-ocamlgraph</i>	1.0	1.1	<a href="http://ocamlgraph.lri.fr/">http://ocamlgraph.lri.fr/</a>
<i>ocaml-ocamlgraph-devel</i>	1.0	1.1	<a href="http://ocamlgraph.lri.fr/">http://ocamlgraph.lri.fr/</a>
<i>ocaml-pa-do</i>	0.8.4	0.8.9	<a href="http://forge.ocamlcore.org/projects/pa-do/">http://forge.ocamlcore.org/projects/pa-do/</a>
<i>ocaml-pa-do-devel</i>	0.8.4	0.8.9	<a href="http://forge.ocamlcore.org/projects/pa-do/">http://forge.ocamlcore.org/projects/pa-do/</a>
<i>ocaml-pcre</i>	5.15.0	6.0.0	<a href="http://www.ocaml.info/home/ocaml_sources.html#pcre-ocaml">http://www.ocaml.info/home/ocaml_sources.html#pcre-ocaml</a>

组件	老版本	新版本	上游URL
<i>ocaml-pcre-devel</i>	5.15.0	6.0.0	<a href="http://www.ocaml.info/home/ocaml_sources.html#pcre-ocaml">http://www.ocaml.info/home/ocaml_sources.html#pcre-ocaml</a>
<i>ocaml-postgresql</i>	1.10.3	1.12.3	<a href="http://www.ocaml.info/home/ocaml_sources.html#postgresql-ocaml">http://www.ocaml.info/home/ocaml_sources.html#postgresql-ocaml</a>
<i>ocaml-postgresql-devel</i>	1.10.3	1.12.3	<a href="http://www.ocaml.info/home/ocaml_sources.html#postgresql-ocaml">http://www.ocaml.info/home/ocaml_sources.html#postgresql-ocaml</a>
<i>ocaml-pxp</i>	1.2.0test2	1.2.1	<a href="http://projects.camlcity.org/projects/pxp.html">http://projects.camlcity.org/projects/pxp.html</a>
<i>ocaml-pxp-devel</i>	1.2.0test2	1.2.1	<a href="http://projects.camlcity.org/projects/pxp.html">http://projects.camlcity.org/projects/pxp.html</a>
<i>ocaml-sexplib</i>	4.2.7	4.2.10	<a href="http://www.ocaml.info/home/ocaml_sources.html#sexplib310">http://www.ocaml.info/home/ocaml_sources.html#sexplib310</a>
<i>ocaml-sexplib-devel</i>	4.2.7	4.2.10	<a href="http://www.ocaml.info/home/ocaml_sources.html#sexplib310">http://www.ocaml.info/home/ocaml_sources.html#sexplib310</a>
<i>ocaml-sqlite</i>	1.2.0	1.5.0	<a href="http://www.ocaml.info/home/ocaml_sources.html#ocaml-sqlite3">http://www.ocaml.info/home/ocaml_sources.html#ocaml-sqlite3</a>
<i>ocaml-sqlite-devel</i>	1.2.0	1.5.0	<a href="http://www.ocaml.info/home/ocaml_sources.html#ocaml-sqlite3">http://www.ocaml.info/home/ocaml_sources.html#ocaml-sqlite3</a>
<i>ocfs2-tools-devel</i>	1.3.9	1.4.3	<a href="http://oss.oracle.com/projects/ocfs2-tools/">http://oss.oracle.com/projects/ocfs2-tools/</a>
<i>octave-devel</i>	3.0.5	3.2.3	<a href="http://www.octave.org">http://www.octave.org</a>
<i>ode-devel</i>	0.11	0.11.1	<a href="http://www.ode.org">http://www.ode.org</a>
<i>ogre-devel</i>	1.6.1	1.6.4	<a href="http://www.ogre3d.org/">http://www.ogre3d.org/</a>
<i>ogre-samples</i>	1.6.1	1.6.4	<a href="http://www.ogre3d.org/">http://www.ogre3d.org/</a>
<i>opal-devel</i>	3.6.1	3.6.6	<a href="http://www.opalvoip.org/">http://www.opalvoip.org/</a>
<i>openaislib-devel</i>	0.94	1.1.0	<a href="http://developer.osdl.org/dev/openais/">http://developer.osdl.org/dev/openais/</a>

组件	老版本	新版本	上游URL
<i>openal-soft-devel</i>	new	1.9.563	<a href="http://kcat.strangesoft.net/openal.html">http://kcat.strangesoft.net/openal.html</a>
<i>openbabel-devel</i>	2.2.1	2.2.3	<a href="http://openbabel.org/">http://openbabel.org/</a>
<i>opencryotki-devel</i>	new	2.3.0	<a href="http://sourceforge.net/projects/opencryotki">http://sourceforge.net/projects/opencryotki</a>
<i>openct-devel</i>	0.6.15	0.6.17	<a href="http://www.opensc-project.org/openct/">http://www.opensc-project.org/openct/</a>
<i>opencv</i>	1.0.0	1.1.0	<a href="http://opencv.willowgarage.com/wiki/">http://opencv.willowgarage.com/wiki/</a>
<i>opencv-devel</i>	1.0.0	1.1.0	<a href="http://opencv.willowgarage.com/wiki/">http://opencv.willowgarage.com/wiki/</a>
<i>opencv-python</i>	1.0.0	1.1.0	<a href="http://opencv.willowgarage.com/wiki/">http://opencv.willowgarage.com/wiki/</a>
<i>openldap-devel</i>	2.4.15	2.4.18	<a href="http://www.openldap.org/">http://www.openldap.org/</a>
<i>openmpi</i>	1.3.1	1.3.3	<a href="http://www.openmpi.org/">http://www.openmpi.org/</a>
<i>openmpi-devel</i>	1.3.1	1.3.3	<a href="http://www.openmpi.org/">http://www.openmpi.org/</a>
<i>openoffice.org-bsh</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-devel</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-headless</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-pyuno</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-rhino</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-sdk</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-testtools</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openoffice.org-ure</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>opensc-devel</i>	0.11.7	0.11.9	<a href="http://www.opensc-project.org/opensc/">http://www.opensc-project.org/opensc/</a>
<i>openscada-devel</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>

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<i>openscap-devel</i>	0.1.4	0.5.3	<a href="http://www.openscap.org/">http://www.openscap.org/</a>
<i>openscap-perl</i>	new	0.5.3	<a href="http://www.openscap.org/">http://www.openscap.org/</a>
<i>openscap-python</i>	0.1.4	0.5.3	<a href="http://www.openscap.org/">http://www.openscap.org/</a>
<i>openssl-devel</i>	0.9.8k	1.0.0	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
<i>openssl-static</i>	0.9.8k	1.0.0	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
<i>openvrml-devel</i>	0.17.12	0.18.3	<a href="http://openvrml.org">http://openvrml.org</a>
<i>openvrml-gl-devel</i>	0.17.12	0.18.3	<a href="http://openvrml.org">http://openvrml.org</a>
<i>openwsman-devel</i>	2.1.0	2.2.0	<a href="http://www.openwsman.org/">http://www.openwsman.org/</a>
<i>openwsman-python</i>	2.1.0	2.2.0	<a href="http://www.openwsman.org/">http://www.openwsman.org/</a>
<i>oprofile-devel</i>	0.9.4	0.9.5	<a href="http://oprofile.sf.net">http://oprofile.sf.net</a>
<i>orsa-headers</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>orsa-lam-devel</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>orsa-mpich2-devel</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>orsa-openmpi-devel</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>pacemaker-libs-devel</i>	new	1.0.5	<a href="http://www.clusterlabs.org">http://www.clusterlabs.org</a>
<i>pam-devel</i>	1.0.91	1.1.0	<a href="http://www.us.kernel.org/pub/linux/libs/pam/index.html">http://www.us.kernel.org/pub/linux/libs/pam/index.html</a>
<i>pango-devel</i>	1.24.1	1.26.0	<a href="http://www.pango.org">http://www.pango.org</a>
<i>pangomm-devel</i>	2.24.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>papyrus-devel</i>	0.11.0	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http://libpapyrus.sourceforge.net/</a>
<i>papyrus-extras-devel</i>	0.11.0	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http://libpapyrus.sourceforge.net/</a>
<i>papyrus-gtkmm-devel</i>	0.11.0	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http://libpapyrus.sourceforge.net/</a>
<i>parrot</i>	new	1.6.0	<a href="http://www.parrot.org/">http://www.parrot.org/</a>
<i>parrot-devel</i>	new	1.6.0	<a href="http://www.parrot.org/">http://www.parrot.org/</a>
<i>parrot-tools</i>	new	1.6.0	<a href="http://www.parrot.org/">http://www.parrot.org/</a>

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<i>parted-devel</i>	1.8.8	1.9.0	<a href="http://www.gnu.org/software/parted">http://www.gnu.org/software/parted</a>
<i>pathfinder-devel</i>	new	1.1.0	<a href="http://code.google.com/p/pathfinder-pki/">http://code.google.com/p/pathfinder-pki/</a>
<i>pciutils-devel</i>	3.1.2	3.1.4	<a href="http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml">http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml</a>
<i>pcsc-perl</i>	1.4.7	1.4.8	<a href="http://ludovic.rousseau.free.fr/software/pcsc-perl/">http://ludovic.rousseau.free.fr/software/pcsc-perl/</a>
<i>pdf-tools</i>	new	0.29a	<a href="http://search.cpan.org/dist/Text-PDF">http://search.cpan.org/dist/Text-PDF</a>
<i>perl-Acme-Damn</i>	0.03	0.04	<a href="http://search.cpan.org/dist/Acme-Damn/">http://search.cpan.org/dist/Acme-Damn/</a>
<i>perl-Acme-PlayCode</i>	new	0.11	<a href="http://search.cpan.org/dist/Acme-PlayCode/">http://search.cpan.org/dist/Acme-PlayCode/</a>
<i>perl-Algorithm-C3</i>	0.07	0.08	<a href="http://search.cpan.org/dist/Algorithm-C3/">http://search.cpan.org/dist/Algorithm-C3/</a>
<i>perl-Algorithm-Dependency</i>	1.108	1.110	<a href="http://search.cpan.org/dist/Algorithm-Dependency/">http://search.cpan.org/dist/Algorithm-Dependency/</a>
<i>perl-Algorithm-IncludeExclude</i>	new	0.01	<a href="http://search.cpan.org/dist/Algorithm-IncludeExclude/">http://search.cpan.org/dist/Algorithm-IncludeExclude/</a>
<i>perl-Alien-SeleniumRC</i>	new	1.00	<a href="http://search.cpan.org/dist/Alien-SeleniumRC/">http://search.cpan.org/dist/Alien-SeleniumRC/</a>
<i>perl-Alien-wxWidgets</i>	0.42	0.44	<a href="http://search.cpan.org/dist/Alien-wxWidgets/">http://search.cpan.org/dist/Alien-wxWidgets/</a>
<i>perl-Any-Moose</i>	new	0.10	<a href="http://search.cpan.org/dist/Any-Moose">http://search.cpan.org/dist/Any-Moose</a>
<i>perl-AnyEvent</i>	4.350	5.11	<a href="http://search.cpan.org/dist/AnyEvent/">http://search.cpan.org/dist/AnyEvent/</a>
<i>perl-AnyEvent-AIO</i>	1.0	1.1	<a href="http://search.cpan.org/dist/AnyEvent-AIO/">http://search.cpan.org/dist/AnyEvent-AIO/</a>
<i>perl-AnyEvent-BDB</i>	1.0	1.1	<a href="http://search.cpan.org/dist/AnyEvent-BDB/">http://search.cpan.org/dist/AnyEvent-BDB/</a>
<i>perl-Apache-RPC</i>	0.64	0.69	<a href="http://search.cpan.org/dist/RPC-XML/">http://search.cpan.org/dist/RPC-XML/</a>
<i>perl-Apache-Session</i>	1.87	1.88	<a href="http://search.cpan.org/dist/Apache-Session/">http://search.cpan.org/dist/Apache-Session/</a>
<i>perl-App-Cache</i>	0.35	0.36	<a href="http://search.cpan.org/dist/App-Cache">http://search.cpan.org/dist/App-Cache</a>

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<i>perl-App-Cmd</i>	0.203	0.301	<a href="http://search.cpan.org/dist/App-Cmd">http://search.cpan.org/dist/App-Cmd</a>
<i>perl-App-Daemon</i>	new	0.06	<a href="http://search.cpan.org/dist/App-Daemon/">http://search.cpan.org/dist/App-Daemon/</a>
<i>perl-App-Nopaste</i>	new	0.15	<a href="http://search.cpan.org/dist/App-Nopaste/">http://search.cpan.org/dist/App-Nopaste/</a>
<i>perl-Archive-Any</i>	0.093	0.0932	<a href="http://search.cpan.org/dist/Archive-Any/">http://search.cpan.org/dist/Archive-Any/</a>
<i>perl-Archive-RPM</i>	new	0.04	<a href="http://search.cpan.org/dist/Archive-RPM">http://search.cpan.org/dist/Archive-RPM</a>
<i>perl-Archive-Zip</i>	1.23	1.30	<a href="http://search.cpan.org/dist/Archive-Zip/">http://search.cpan.org/dist/Archive-Zip/</a>
<i>perl-Array-Compare</i>	1.17	2.01	<a href="http://search.cpan.org/dist/Array-Compare/">http://search.cpan.org/dist/Array-Compare/</a>
<i>perl-Array-Diff</i>	0.04	0.05002	<a href="http://search.cpan.org/dist/Array-Diff/">http://search.cpan.org/dist/Array-Diff/</a>
<i>perl-Async-MergePoint</i>	new	0.03	<a href="http://search.cpan.org/dist/Async-MergePoint/">http://search.cpan.org/dist/Async-MergePoint/</a>
<i>perl-Authen-SASL</i>	2.12	2.13	<a href="http://search.cpan.org/dist/Authen-SASL/">http://search.cpan.org/dist/Authen-SASL/</a>
<i>perl-AutoXS-Header</i>	0.03	1.02	<a href="http://search.cpan.org/dist/AutoXS-Header/">http://search.cpan.org/dist/AutoXS-Header/</a>
<i>perl-B-Hooks-EndOfScope</i>	0.07	0.08	<a href="http://search.cpan.org/dist/B-Hooks-EndOfScope">http://search.cpan.org/dist/B-Hooks-EndOfScope</a>
<i>perl-B-Hooks-OP-Check</i>	new	0.17	<a href="http://search.cpan.org/dist/B-Hooks-OP-Check">http://search.cpan.org/dist/B-Hooks-OP-Check</a>
<i>perl-B-Hooks-OP-Check-StashChange</i>	new	0.06	<a href="http://search.cpan.org/dist/B-Hooks-OP-Check-StashChange/">http://search.cpan.org/dist/B-Hooks-OP-Check-StashChange/</a>
<i>perl-B-Utills</i>	0.07	0.08	<a href="http://search.cpan.org/dist/B-Utills/">http://search.cpan.org/dist/B-Utills/</a>
<i>perl-BDB</i>	1.83	1.84	<a href="http://search.cpan.org/dist/BDB/">http://search.cpan.org/dist/BDB/</a>
<i>perl-BSD-Resource</i>	1.28	1.29.03	<a href="http://search.cpan.org/dist/BSD-Resource/">http://search.cpan.org/dist/BSD-Resource/</a>
<i>perl-BZ-Client</i>	new	1.02	<a href="http://search.cpan.org/dist/BZ-Client/">http://search.cpan.org/dist/BZ-Client/</a>
<i>perl-Beanstalk-Client</i>	new	1.05	<a href="http://search.cpan.org/dist/Beanstalk-Client/">http://search.cpan.org/dist/Beanstalk-Client/</a>
<i>perl-BerkeleyDB</i>	0.34	0.39	<a href="http://search.cpan.org/dist/BerkeleyDB/">http://search.cpan.org/dist/BerkeleyDB/</a>

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<i>perl-Bio-Graphics</i>	1.84	1.97	<a href="http://search.cpan.org/dist/Bio-Graphics/">http://search.cpan.org/dist/Bio-Graphics/</a>
<i>perl-Bit-Vector</i>	6.4	6.6	<a href="http://search.cpan.org/dist/Bit-Vector/">http://search.cpan.org/dist/Bit-Vector/</a>
<i>perl-Business-ISBN</i>	2.04_01	2.05	<a href="http://search.cpan.org/dist/Business-ISBN/">http://search.cpan.org/dist/Business-ISBN/</a>
<i>perl-Business-ISBN-Data</i>	20081020	20081208	<a href="http://search.cpan.org/dist/Business-ISBN-Data/">http://search.cpan.org/dist/Business-ISBN-Data/</a>
<i>perl-CGI-Application</i>	4.21	4.31	<a href="http://search.cpan.org/dist/CGI-Application/">http://search.cpan.org/dist/CGI-Application/</a>
<i>perl-CGI-Application-Dispatch</i>	new	2.16	<a href="http://search.cpan.org/dist/CGI-Application-Dispatch/">http://search.cpan.org/dist/CGI-Application-Dispatch/</a>
<i>perl-CGI-Application-Plugin-AutoRunmode</i>	new	0.16	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-AutoRunmode/">http://search.cpan.org/dist/CGI-Application-Plugin-AutoRunmode/</a>
<i>perl-CGI-Application-Plugin-ConfigAuto</i>	new	1.31	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-ConfigAuto/">http://search.cpan.org/dist/CGI-Application-Plugin-ConfigAuto/</a>
<i>perl-CGI-Application-Plugin-DBH</i>	new	4.00	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-DBH/">http://search.cpan.org/dist/CGI-Application-Plugin-DBH/</a>
<i>perl-CGI-Application-Plugin-DebugScreen</i>	new	0.06	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-DebugScreen/">http://search.cpan.org/dist/CGI-Application-Plugin-DebugScreen/</a>
<i>perl-CGI-Application-Plugin-DevPopup</i>	new	1.01	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-DevPopup/">http://search.cpan.org/dist/CGI-Application-Plugin-DevPopup/</a>
<i>perl-CGI-Application-Plugin-ErrorPage</i>	new	1.21	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-ErrorPage/">http://search.cpan.org/dist/CGI-Application-Plugin-ErrorPage/</a>
<i>perl-CGI-Application-Plugin-FillInForm</i>	new	1.14	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-FillInForm/">http://search.cpan.org/dist/CGI-Application-Plugin-FillInForm/</a>
<i>perl-CGI-Application-Plugin-Forward</i>	new	1.06	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-Forward/">http://search.cpan.org/dist/CGI-Application-Plugin-Forward/</a>
<i>perl-CGI-Application-Plugin-LogDispatch</i>	new	1.02	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-LogDispatch/">http://search.cpan.org/dist/CGI-Application-Plugin-LogDispatch/</a>
<i>perl-CGI-Application-Plugin-Redirect</i>	new	1.00	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-Redirect/">http://search.cpan.org/dist/CGI-Application-Plugin-Redirect/</a>



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<i>perl-CGI-Application-Plugin-Session</i>	new	1.03	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-Session/">http://search.cpan.org/dist/CGI-Application-Plugin-Session/</a>
<i>perl-CGI-Application-Plugin-Stream</i>	new	2.10	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-Stream/">http://search.cpan.org/dist/CGI-Application-Plugin-Stream/</a>
<i>perl-CGI-Application-Plugin-TT</i>	new	1.04	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-TT/">http://search.cpan.org/dist/CGI-Application-Plugin-TT/</a>
<i>perl-CGI-Application-Plugin-ValidateRM</i>	new	2.3	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-ValidateRM/">http://search.cpan.org/dist/CGI-Application-Plugin-ValidateRM/</a>
<i>perl-CGI-Application-Plugin-ViewCode</i>	new	1.02	<a href="http://search.cpan.org/dist/CGI-Application-Plugin-ViewCode/">http://search.cpan.org/dist/CGI-Application-Plugin-ViewCode/</a>
<i>perl-CGI-Application-Server</i>	new	0.061	<a href="http://search.cpan.org/dist/CGI-Application-Server/">http://search.cpan.org/dist/CGI-Application-Server/</a>
<i>perl-CGI-Application-Standard-Config</i>	new	1.01	<a href="http://search.cpan.org/dist/CGI-Application-Standard-Config/">http://search.cpan.org/dist/CGI-Application-Standard-Config/</a>
<i>perl-CPAN-DistnameInfo</i>	0.07	0.08	<a href="http://search.cpan.org/dist/CPAN-DistnameInfo/">http://search.cpan.org/dist/CPAN-DistnameInfo/</a>
<i>perl-CSS-Minifier-XS</i>	0.03	0.04	<a href="http://search.cpan.org/dist/CSS-Minifier-XS">http://search.cpan.org/dist/CSS-Minifier-XS</a>
<i>perl-CSS-Squish</i>	0.07	0.08	<a href="http://search.cpan.org/dist/CSS-Squish/">http://search.cpan.org/dist/CSS-Squish/</a>
<i>perl-Cache-Cache</i>	1.05	1.06	<a href="http://search.cpan.org/dist/Cache-Cache/">http://search.cpan.org/dist/Cache-Cache/</a>
<i>perl-Cache-FastMmap</i>	1.28	1.34	<a href="http://search.cpan.org/dist/Cache-FastMmap/">http://search.cpan.org/dist/Cache-FastMmap/</a>
<i>perl-Cache-Memcached</i>	new	1.28	<a href="http://search.cpan.org/dist/Cache-Memcached/">http://search.cpan.org/dist/Cache-Memcached/</a>
<i>perl-Capture-Tiny</i>	new	0.06	<a href="http://search.cpan.org/dist/Capture-Tiny/">http://search.cpan.org/dist/Capture-Tiny/</a>
<i>perl-Carp-Clan-Share</i>	new	0.013	<a href="http://search.cpan.org/dist/Carp-Clan-Share/">http://search.cpan.org/dist/Carp-Clan-Share/</a>
<i>perl-Catalyst-Action-RenderView</i>	0.09	0.11	<a href="http://search.cpan.org/dist/Catalyst-Action-RenderView/">http://search.cpan.org/dist/Catalyst-Action-RenderView/</a>

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<i>perl-Catalyst-Controller-FormBuilder</i>	0.04	0.05	<a href="http://search.cpan.org/dist/Catalyst-Controller-FormBuilder/">http://search.cpan.org/dist/Catalyst-Controller-FormBuilder/</a>
<i>perl-Catalyst-Controller-HTML-FormFu</i>	0.03007	0.05000	<a href="http://search.cpan.org/dist/Catalyst-Controller-HTML-FormFu/">http://search.cpan.org/dist/Catalyst-Controller-HTML-FormFu/</a>
<i>perl-Catalyst-Devel</i>	1.10	1.20	<a href="http://search.cpan.org/dist/Catalyst-Devel/">http://search.cpan.org/dist/Catalyst-Devel/</a>
<i>perl-Catalyst-Helper-FastCGI-ExternalServer</i>	new	0.05	<a href="http://search.cpan.org/dist/Catalyst-Helper-FastCGI-ExternalServer/">http://search.cpan.org/dist/Catalyst-Helper-FastCGI-ExternalServer</a>
<i>perl-Catalyst-Manual</i>	5.7020	5.8000	<a href="http://search.cpan.org/dist/Catalyst-Manual/">http://search.cpan.org/dist/Catalyst-Manual/</a>
<i>perl-Catalyst-Plugin-Authentication</i>	0.10011	0.10015	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Authentication/">http://search.cpan.org/dist/Catalyst-Plugin-Authentication/</a>
<i>perl-Catalyst-Plugin-Cache</i>	new	0.08	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Cache/">http://search.cpan.org/dist/Catalyst-Plugin-Cache/</a>
<i>perl-Catalyst-Plugin-ConfigLoader</i>	0.22	0.27	<a href="http://search.cpan.org/dist/Catalyst-Plugin-ConfigLoader/">http://search.cpan.org/dist/Catalyst-Plugin-ConfigLoader/</a>
<i>perl-Catalyst-Plugin-I18N</i>	0.08	0.09	<a href="http://search.cpan.org/dist/Catalyst-Plugin-I18N/">http://search.cpan.org/dist/Catalyst-Plugin-I18N/</a>
<i>perl-Catalyst-Plugin-PageCache</i>	new	0.22	<a href="http://search.cpan.org/dist/Catalyst-Plugin-PageCache/">http://search.cpan.org/dist/Catalyst-Plugin-PageCache/</a>
<i>perl-Catalyst-Plugin-Session</i>	0.20	0.25	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Session/">http://search.cpan.org/dist/Catalyst-Plugin-Session/</a>
<i>perl-Catalyst-Plugin-Session-State-Cookie</i>	0.10	0.14	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Session-State-Cookie/">http://search.cpan.org/dist/Catalyst-Plugin-Session-State-Cookie/</a>
<i>perl-Catalyst-Plugin-Session-State-URI</i>	0.09	0.11	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Session-State-URI/">http://search.cpan.org/dist/Catalyst-Plugin-Session-State-URI/</a>
<i>perl-Catalyst-Plugin-Session-Store-Cache</i>	new	0.01	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-Cache/">http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-Cache/</a>
<i>perl-Catalyst-Plugin-Session-Store-FastMmap</i>	0.07	0.11	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-FastMmap/">http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-FastMmap/</a>

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			<a href="#">Session-Store-FastMmap/</a>
<i>perl-Catalyst-Plugin-Session-Store-File</i>	0.13	0.17	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-File/">http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-File/</a>
<i>perl-Catalyst-Plugin-Setenv</i>	new	0.03	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Setenv/">http://search.cpan.org/dist/Catalyst-Plugin-Setenv/</a>
<i>perl-Catalyst-Plugin-StackTrace</i>	0.09	0.10	<a href="http://search.cpan.org/dist/Catalyst-Plugin-StackTrace/">http://search.cpan.org/dist/Catalyst-Plugin-StackTrace/</a>
<i>perl-Catalyst-Plugin-Static-Simple</i>	0.20	0.21	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Static-Simple/">http://search.cpan.org/dist/Catalyst-Plugin-Static-Simple/</a>
<i>perl-Catalyst-Plugin-Unicode</i>	0.8	0.91	<a href="http://search.cpan.org/dist/Catalyst-Plugin-Unicode/">http://search.cpan.org/dist/Catalyst-Plugin-Unicode/</a>
<i>perl-Catalyst-Runtime</i>	5.71001	5.80013	<a href="http://search.cpan.org/dist/Catalyst-Runtime/">http://search.cpan.org/dist/Catalyst-Runtime/</a>
<i>perl-Catalyst-Runtime-scripts</i>	5.71001	5.80013	<a href="http://search.cpan.org/dist/Catalyst-Runtime/">http://search.cpan.org/dist/Catalyst-Runtime/</a>
<i>perl-Catalyst-View-Email</i>	new	0.13	<a href="http://search.cpan.org/dist/Catalyst-View-Email/">http://search.cpan.org/dist/Catalyst-View-Email/</a>
<i>perl-Catalyst-View-JSON</i>	0.24	0.26	<a href="http://search.cpan.org/dist/Catalyst-View-JSON/">http://search.cpan.org/dist/Catalyst-View-JSON/</a>
<i>perl-Catalyst-View-Mason</i>	new	0.18	<a href="http://search.cpan.org/dist/Catalyst-View-Mason/">http://search.cpan.org/dist/Catalyst-View-Mason/</a>
<i>perl-Catalyst-View-PDF-Reuse</i>	new	0.03	<a href="http://search.cpan.org/dist/Catalyst-View-PDF-Reuse/">http://search.cpan.org/dist/Catalyst-View-PDF-Reuse</a>
<i>perl-Catalyst-View-TT</i>	0.29	0.30	<a href="http://search.cpan.org/dist/Catalyst-View-TT/">http://search.cpan.org/dist/Catalyst-View-TT/</a>
<i>perl-Class-Accessor</i>	0.31	0.34	<a href="http://search.cpan.org/dist/Class-Accessor/">http://search.cpan.org/dist/Class-Accessor/</a>
<i>perl-Class-Accessor-Grouped</i>	0.08003	0.09000	<a href="http://search.cpan.org/dist/Class-Accessor-Grouped/">http://search.cpan.org/dist/Class-Accessor-Grouped/</a>
<i>perl-Class-C3-Adopt-NEXT</i>	0.07	0.12	<a href="http://search.cpan.org/dist/Class-C3-Adopt-NEXT/">http://search.cpan.org/dist/Class-C3-Adopt-NEXT</a>

组件	老版本	新版本	上游URL
<i>perl-Class-C3-Componentised</i>	1.0003	1.0006	<a href="http://search.cpan.org/dist/Class-C3-Componentised/">http://search.cpan.org/dist/Class-C3-Componentised/</a>
<i>perl-Class-C3-XS</i>	0.11	0.13	<a href="http://search.cpan.org/dist/Class-C3-XS/">http://search.cpan.org/dist/Class-C3-XS/</a>
<i>perl-Class-DBI-Plugin-DeepAbstractSearch</i>	new	0.08	<a href="http://search.cpan.org/dist/Class-DBI-Plugin-DeepAbstractSearch">http://search.cpan.org/dist/Class-DBI-Plugin-DeepAbstractSearch</a>
<i>perl-Class-Inspector</i>	1.23	1.24	<a href="http://search.cpan.org/dist/Class-Inspector/">http://search.cpan.org/dist/Class-Inspector/</a>
<i>perl-Class-MOP</i>	0.80	0.94	<a href="http://search.cpan.org/dist/Class-MOP/">http://search.cpan.org/dist/Class-MOP/</a>
<i>perl-Class-Method-Modifiers</i>	1.01	1.04	<a href="http://search.cpan.org/dist/Class-Method-Modifiers">http://search.cpan.org/dist/Class-Method-Modifiers</a>
<i>perl-Class-Mix</i>	new	0.003	<a href="http://search.cpan.org/dist/Class-Mix/">http://search.cpan.org/dist/Class-Mix/</a>
<i>perl-Class-XSAccessor</i>	0.14	1.03	<a href="http://search.cpan.org/dist/Class-XSAccessor/">http://search.cpan.org/dist/Class-XSAccessor/</a>
<i>perl-Class-XSAccessor-Array</i>	0.14	1.04	<a href="http://search.cpan.org/dist/Class-XSAccessor-Array/">http://search.cpan.org/dist/Class-XSAccessor-Array/</a>
<i>perl-Clipboard</i>	new	0.09	<a href="http://search.cpan.org/dist/Clipboard/">http://search.cpan.org/dist/Clipboard/</a>
<i>perl-Compress-Raw-Bzip2</i>	2.005	2.020	<a href="http://search.cpan.org/dist/Compress-Raw-Bzip2/">http://search.cpan.org/dist/Compress-Raw-Bzip2/</a>
<i>perl-Config-Auto</i>	new	0.20	<a href="http://search.cpan.org/dist/Config-Auto/">http://search.cpan.org/dist/Config-Auto/</a>
<i>perl-Config-General</i>	2.42	2.44	<a href="http://search.cpan.org/dist/Config-General/">http://search.cpan.org/dist/Config-General/</a>
<i>perl-Config-INI</i>	new	0.014	<a href="http://search.cpan.org/dist/Config-INI/">http://search.cpan.org/dist/Config-INI/</a>
<i>perl-Config-JFDI</i>	new	0.063	<a href="http://search.cpan.org/dist/Config-JFDI/">http://search.cpan.org/dist/Config-JFDI/</a>
<i>perl-Config-Model</i>	new	0.638	<a href="http://search.cpan.org/dist/Config-Model/">http://search.cpan.org/dist/Config-Model/</a>
<i>perl-Config-Properties</i>	new	1.70	<a href="http://search.cpan.org/dist/Config-Properties/">http://search.cpan.org/dist/Config-Properties/</a>

表 36. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>perl-Convert-ASN1</i>	0.21	0.22	<a href="http://search.cpan.org/dist/Convert-ASN1/">http://search.cpan.org/dist/Convert-ASN1/</a>
<i>perl-Convert-Binary-C</i>	0.71	0.74	<a href="http://search.cpan.org/dist/Convert-Binary-C/">http://search.cpan.org/dist/Convert-Binary-C/</a>
<i>perl-Convert-UUlib</i>	1.11	1.12	<a href="http://search.cpan.org/dist/Convert-UUlib/">http://search.cpan.org/dist/Convert-UUlib/</a>
<i>perl-Crypt-CipherSaber</i>	new	1.00	<a href="http://search.cpan.org/dist/Crypt-CipherSaber/">http://search.cpan.org/dist/Crypt-CipherSaber/</a>
<i>perl-Crypt-DSA</i>	0.14	1.16	<a href="http://search.cpan.org/dist/Crypt-DSA/">http://search.cpan.org/dist/Crypt-DSA/</a>
<i>perl-Crypt-Eksblowfish</i>	new	0.007	<a href="http://search.cpan.org/dist/Crypt-Eksblowfish/">http://search.cpan.org/dist/Crypt-Eksblowfish/</a>
<i>perl-Crypt-GPG</i>	new	1.63	<a href="http://search.cpan.org/dist/Crypt-GPG/">http://search.cpan.org/dist/Crypt-GPG/</a>
<i>perl-Crypt-RSA</i>	1.98	1.99	<a href="http://search.cpan.org/dist/Crypt-RSA/">http://search.cpan.org/dist/Crypt-RSA/</a>
<i>perl-Crypt-Twofish</i>	new	2.13	<a href="http://search.cpan.org/dist/Crypt-Twofish/">http://search.cpan.org/dist/Crypt-Twofish/</a>
<i>perl-Curses</i>	1.20	1.27	<a href="http://search.cpan.org/dist/Curses/">http://search.cpan.org/dist/Curses/</a>
<i>perl-DBD-MySQL</i>	4.010	4.013	<a href="http://search.cpan.org/dist/DBD-mysql/">http://search.cpan.org/dist/DBD-mysql/</a>
<i>perl-DBD-Pg</i>	2.11.6	2.15.1	<a href="http://search.cpan.org/dist/DBD-Pg/">http://search.cpan.org/dist/DBD-Pg/</a>
<i>perl-DBD-SQLite</i>	1.14	1.25	<a href="http://search.cpan.org/dist/DBD-SQLite/">http://search.cpan.org/dist/DBD-SQLite/</a>
<i>perl-DBI</i>	1.607	1.609	<a href="http://dbi.perl.org/">http://dbi.perl.org/</a>
<i>perl-DBICx-TestDatabase</i>	new	0.02	<a href="http://search.cpan.org/dist/DBICx-TestDatabase">http://search.cpan.org/dist/DBICx-TestDatabase</a>
<i>perl-DBIx-Class</i>	0.08012	0.08108	<a href="http://search.cpan.org/dist/DBIx-Class/">http://search.cpan.org/dist/DBIx-Class/</a>
<i>perl-DBIx-Class-DateTime-Epoch</i>	0.03	0.05	<a href="http://search.cpan.org/dist/DBIx-Class-DateTime-Epoch">http://search.cpan.org/dist/DBIx-Class-DateTime-Epoch</a>
<i>perl-DBIx-Class-DynamicDefault</i>	new	0.03	<a href="http://search.cpan.org/dist/DBIx-Class-DynamicDefault">http://search.cpan.org/dist/DBIx-Class-DynamicDefault</a>
<i>perl-DBIx-Class-EncodedColumn</i>	new	0.00004	<a href="http://search.cpan.org/dist/DBIx-Class-EncodedColumn/">http://search.cpan.org/dist/DBIx-Class-EncodedColumn/</a>

组件	老版本	新版本	上游URL
<i>perl-DBIx-Class-Schema-Loader</i>	0.04005	0.04006	<a href="http://search.cpan.org/dist/DBIx-Class-Schema-Loader/">http://search.cpan.org/dist/DBIx-Class-Schema-Loader/</a>
<i>perl-DBIx-Class-TimeStamp</i>	new	0.12	<a href="http://search.cpan.org/dist/DBIx-Class-TimeStamp/">http://search.cpan.org/dist/DBIx-Class-TimeStamp/</a>
<i>perl-DBIx-SearchBuilder</i>	1.54	1.56	<a href="http://search.cpan.org/dist/DBIx-SearchBuilder/">http://search.cpan.org/dist/DBIx-SearchBuilder/</a>
<i>perl-Daemon-Generic</i>	new	0.61	<a href="http://search.cpan.org/dist/Daemon-Generic/">http://search.cpan.org/dist/Daemon-Generic/</a>
<i>perl-Data-Dump</i>	1.14	1.15	<a href="http://search.cpan.org/dist/Data-Dump/">http://search.cpan.org/dist/Data-Dump/</a>
<i>perl-Data-Dumper-Names</i>	new	0.03	<a href="http://search.cpan.org/dist/Data-Dumper-Names/">http://search.cpan.org/dist/Data-Dumper-Names/</a>
<i>perl-Data-FormValidator-Constraints-DateTime</i>	new	1.09	<a href="http://search.cpan.org/dist/Data-FormValidator-Constraints-DateTime/">http://search.cpan.org/dist/Data-FormValidator-Constraints-DateTime/</a>
<i>perl-Data-ICal</i>	0.15	0.16	<a href="http://search.cpan.org/dist/Data-ICal/">http://search.cpan.org/dist/Data-ICal/</a>
<i>perl-Data-ObjectDriver</i>	new	0.06	<a href="http://search.cpan.org/dist/Data-ObjectDriver/">http://search.cpan.org/dist/Data-ObjectDriver/</a>
<i>perl-Data-Report</i>	new	0.10	<a href="http://search.cpan.org/dist/Data-Report/">http://search.cpan.org/dist/Data-Report/</a>
<i>perl-Data-Section</i>	0.005	0.091820	<a href="http://search.cpan.org/dist/Data-Section/">http://search.cpan.org/dist/Data-Section/</a>
<i>perl-Data-Visitor</i>	0.22	0.25	<a href="http://search.cpan.org/dist/Data-Visitor/">http://search.cpan.org/dist/Data-Visitor/</a>
<i>perl-Date-Calc</i>	5.4	5.6	<a href="http://search.cpan.org/dist/Date-Calc/">http://search.cpan.org/dist/Date-Calc/</a>
<i>perl-DateTime-Calendar-Mayan</i>	new	0.0601	<a href="http://search.cpan.org/dist/DateTime-Calendar-Mayan/">http://search.cpan.org/dist/DateTime-Calendar-Mayan/</a>
<i>perl-DateTime-Format-Flexible</i>	0.05	0.09	<a href="http://search.cpan.org/dist/DateTime-Format-Flexible/">http://search.cpan.org/dist/DateTime-Format-Flexible/</a>
<i>perl-DateTime-Format-HTTP</i>	0.37	0.38	<a href="http://search.cpan.org/dist/DateTime-Format-HTTP/">http://search.cpan.org/dist/DateTime-Format-HTTP/</a>

组件	老版本	新版本	上游URL
<i>perl-DateTime-Format-Natural</i>	0.76	0.79	<a href="http://search.cpan.org/dist/DateTime-Format-Natural/">http://search.cpan.org/dist/DateTime-Format-Natural/</a>
<i>perl-DateTime-Format-Pg</i>	0.16003	0.16004	<a href="http://search.cpan.org/dist/DateTime-Format-Pg/">http://search.cpan.org/dist/DateTime-Format-Pg/</a>
<i>perl-DateTime-Format-SQLite</i>	new	0.10	<a href="http://search.cpan.org/dist/DateTime-Format-SQLite">http://search.cpan.org/dist/DateTime-Format-SQLite</a>
<i>perl-DateTimeX-Easy</i>	0.085	0.087	<a href="http://search.cpan.org/dist/DateTimeX-Easy">http://search.cpan.org/dist/DateTimeX-Easy</a>
<i>perl-Devel-Cycle</i>	1.10	1.11	<a href="http://search.cpan.org/dist/Devel-Cycle/">http://search.cpan.org/dist/Devel-Cycle/</a>
<i>perl-Devel-FindRef</i>	new	1.42	<a href="http://search.cpan.org/dist/Devel-FindRef/">http://search.cpan.org/dist/Devel-FindRef/</a>
<i>perl-Devel-LeakGuard-Object</i>	new	0.06	<a href="http://search.cpan.org/dist/Devel-LeakGuard-Object/">http://search.cpan.org/dist/Devel-LeakGuard-Object/</a>
<i>perl-Devel-NYTProf</i>	2.09	2.10	<a href="http://search.cpan.org/dist/Devel-NYTProf/">http://search.cpan.org/dist/Devel-NYTProf/</a>
<i>perl-Devel-REPL</i>	new	1.003007	<a href="http://search.cpan.org/dist/Devel-REPL/">http://search.cpan.org/dist/Devel-REPL/</a>
<i>perl-Devel-Refcount</i>	new	0.06	<a href="http://search.cpan.org/dist/Devel-Refcount/">http://search.cpan.org/dist/Devel-Refcount/</a>
<i>perl-Devel-StackTrace</i>	1.20	1.22	<a href="http://search.cpan.org/dist/Devel-StackTrace">http://search.cpan.org/dist/Devel-StackTrace</a>
<i>perl-Devel-Symdump</i>	2.07	2.08	<a href="http://search.cpan.org/dist/Devel-Symdump/">http://search.cpan.org/dist/Devel-Symdump/</a>
<i>perl-Digest-SHA1</i>	2.11	2.12	<a href="http://search.cpan.org/dist/Digest-SHA1/">http://search.cpan.org/dist/Digest-SHA1/</a>
<i>perl-Email-MIME-Creator</i>	1.455	1.456	<a href="http://search.cpan.org/dist/Email-MIME-Creator/">http://search.cpan.org/dist/Email-MIME-Creator/</a>
<i>perl-Email-MIME-Encodings</i>	1.312	1.313	<a href="http://search.cpan.org/dist/Email-MIME-Encodings/">http://search.cpan.org/dist/Email-MIME-Encodings/</a>
<i>perl-Email-MIME-Modifier</i>	1.443	1.444	<a href="http://search.cpan.org/dist/Email-MIME-Modifier/">http://search.cpan.org/dist/Email-MIME-Modifier/</a>
<i>perl-Event</i>	1.11	1.12	<a href="http://search.cpan.org/dist/Event/">http://search.cpan.org/dist/Event/</a>
<i>perl-Exception-Class</i>	1.26	1.29	<a href="http://search.cpan.org/dist/Exception-Class/">http://search.cpan.org/dist/Exception-Class/</a>

组件	老版本	新版本	上游URL
<i>perl-Exception-Class-TryCatch</i>	new	1.12	<a href="http://search.cpan.org/dist/Exception-Class-TryCatch/">http://search.cpan.org/dist/Exception-Class-TryCatch/</a>
<i>perl-ExtUtils-Depends</i>	0.301	0.302	<a href="http://search.cpan.org/dist/ExtUtils-Depends/">http://search.cpan.org/dist/ExtUtils-Depends/</a>
<i>perl-ExtUtils-InferConfig</i>	new	1.03	<a href="http://search.cpan.org/dist/ExtUtils-InferConfig/">http://search.cpan.org/dist/ExtUtils-InferConfig/</a>
<i>perl-ExtUtils-InstallPAR</i>	new	0.03	<a href="http://search.cpan.org/dist/ExtUtils-InstallPAR/">http://search.cpan.org/dist/ExtUtils-InstallPAR/</a>
<i>perl-FCGI-ProcManager</i>	0.18	0.19	<a href="http://search.cpan.org/dist/FCGI-ProcManager/">http://search.cpan.org/dist/FCGI-ProcManager</a>
<i>perl-Fedora-Bugzilla</i>	0.05	0.10	<a href="http://camelus.fedorahosted.org">http://camelus.fedorahosted.org</a>
<i>perl-File-ChangeNotify</i>	new	0.07	<a href="http://search.cpan.org/dist/File-ChangeNotify/">http://search.cpan.org/dist/File-ChangeNotify</a>
<i>perl-File-Find-Rule-Perl</i>	1.04	1.09	<a href="http://search.cpan.org/dist/File-Find-Rule-Perl/">http://search.cpan.org/dist/File-Find-Rule-Perl/</a>
<i>perl-File-Flock</i>	new	2008.01	<a href="http://search.cpan.org/dist/File-Flock/">http://search.cpan.org/dist/File-Flock/</a>
<i>perl-File-HomeDir</i>	0.84	0.86	<a href="http://search.cpan.org/dist/File-HomeDir/">http://search.cpan.org/dist/File-HomeDir/</a>
<i>perl-File-ShareDir-PAR</i>	0.03	0.05	<a href="http://search.cpan.org/dist/File-ShareDir-PAR/">http://search.cpan.org/dist/File-ShareDir-PAR/</a>
<i>perl-File-Which</i>	0.05	1.09	<a href="http://search.cpan.org/dist/File-Which/">http://search.cpan.org/dist/File-Which/</a>
<i>perl-FileHandle-Unget</i>	0.1622	0.1623	<a href="http://search.cpan.org/dist/FileHandle-Unget/">http://search.cpan.org/dist/FileHandle-Unget/</a>
<i>perl-Flickr-API</i>	new	1.02	<a href="http://search.cpan.org/dist/Flickr-API/">http://search.cpan.org/dist/Flickr-API/</a>
<i>perl-Flickr-Upload</i>	new	1.32	<a href="http://search.cpan.org/dist/Flickr-Upload/">http://search.cpan.org/dist/Flickr-Upload/</a>
<i>perl-GD</i>	2.41	2.44	<a href="http://search.cpan.org/dist/GD/">http://search.cpan.org/dist/GD/</a>
<i>perl-Geo-IP</i>	1.36	1.38	<a href="http://search.cpan.org/dist/Geo-IP/">http://search.cpan.org/dist/Geo-IP/</a>
<i>perl-Getopt-ArgvFile</i>	new	1.11	<a href="http://search.cpan.org/dist/Getopt-ArgvFile/">http://search.cpan.org/dist/Getopt-ArgvFile/</a>
<i>perl-Getopt-Euclid</i>	0.1.0	0.2.1	<a href="http://search.cpan.org/dist/Getopt-Euclid/">http://search.cpan.org/dist/Getopt-Euclid/</a>



组件	老版本	新版本	上游URL
<i>perl-Getopt-Long-Descriptive</i>	0.074	0.077	<a href="http://search.cpan.org/dist/Getopt-Long-Descriptive/">http://search.cpan.org/dist/Getopt-Long-Descriptive/</a>
<i>perl-Git</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>perl-Git-CPAN-Patch</i>	0.1.5	0.2.1	<a href="http://search.cpan.org/dist/Git-CPAN-Patch/">http://search.cpan.org/dist/Git-CPAN-Patch/</a>
<i>perl-Glib-devel</i>	new	1.201	<a href="http://search.cpan.org/dist/Glib/">http://search.cpan.org/dist/Glib/</a>
<i>perl-Gnome2-Wnck</i>	new	0.16	<a href="http://search.cpan.org/dist/Gnome2-Wnck/">http://search.cpan.org/dist/Gnome2-Wnck/</a>
<i>perl-Goo-Canvas</i>	new	0.06	<a href="http://search.cpan.org/dist/Goo-Canvas/">http://search.cpan.org/dist/Goo-Canvas/</a>
<i>perl-HTML-Defang</i>	new	1.02	<a href="http://search.cpan.org/dist/HTML-Defang/">http://search.cpan.org/dist/HTML-Defang/</a>
<i>perl-HTML-FillInForm</i>	new	2.00	<a href="http://search.cpan.org/dist/HTML-FillInForm/">http://search.cpan.org/dist/HTML-FillInForm/</a>
<i>perl-HTML-FormFu</i>	0.03007	0.05001	<a href="http://search.cpan.org/dist/HTML-FormFu/">http://search.cpan.org/dist/HTML-FormFu/</a>
<i>perl-HTML-FormFu-Model-DBIC</i>	0.03007	0.05002	<a href="http://search.cpan.org/dist/HTML-FormFu-Model-DBIC/">http://search.cpan.org/dist/HTML-FormFu-Model-DBIC/</a>
<i>perl-HTML-GenToc</i>	new	3.10	<a href="http://search.cpan.org/dist/HTML-GenToc/">http://search.cpan.org/dist/HTML-GenToc/</a>
<i>perl-HTML-Mason</i>	1.40	1.42	<a href="http://www.masonhq.com/">http://www.masonhq.com/</a>
<i>perl-HTML-Parser</i>	3.59	3.64	<a href="http://search.cpan.org/dist/HTML-Parser/">http://search.cpan.org/dist/HTML-Parser/</a>
<i>perl-HTML-StripScripts</i>	new	1.04	<a href="http://search.cpan.org/dist/HTML-StripScripts/">http://search.cpan.org/dist/HTML-StripScripts/</a>
<i>perl-HTML-StripScripts-Parser</i>	new	1.02	<a href="http://search.cpan.org/dist/HTML-StripScripts-Parser/">http://search.cpan.org/dist/HTML-StripScripts-Parser/</a>
<i>perl-HTML-Template-Pro</i>	0.71	0.87	<a href="http://search.cpan.org/dist/HTML-Template-Pro/">http://search.cpan.org/dist/HTML-Template-Pro/</a>
<i>perl-HTML-Toc</i>	new	1.11	<a href="http://search.cpan.org/dist/HTML-Toc/">http://search.cpan.org/dist/HTML-Toc/</a>
<i>perl-HTML-TreeBuilder-XPath</i>	new	0.11	<a href="http://search.cpan.org/dist/HTML-TreeBuilder-XPath/">http://search.cpan.org/dist/HTML-TreeBuilder-XPath/</a>
<i>perl-HTML-WikiConverter</i>	new	0.68	<a href="http://search.cpan.org/dist/HTML-WikiConverter/">http://search.cpan.org/dist/HTML-WikiConverter/</a>

组件	老版本	新版本	上游URL
<i>perl-HTML-WikiConverter-Markdown</i>	new	0.05	<a href="http://search.cpan.org/dist/HTML-WikiConverter-Markdown/">http://search.cpan.org/dist/HTML-WikiConverter-Markdown/</a>
<i>perl-HTTP-Request-AsCGI</i>	0.5	0.9	<a href="http://search.cpan.org/dist/HTTP-Request-AsCGI/">http://search.cpan.org/dist/HTTP-Request-AsCGI/</a>
<i>perl-HTTP-Response-Encoding</i>	0.05	0.06	<a href="http://search.cpan.org/dist/HTTP-Response-Encoding/">http://search.cpan.org/dist/HTTP-Response-Encoding/</a>
<i>perl-HTTP-Server-Simple</i>	0.38	0.41	<a href="http://search.cpan.org/dist/HTTP-Server-Simple/">http://search.cpan.org/dist/HTTP-Server-Simple/</a>
<i>perl-HTTP-Server-Simple-Mason</i>	0.11	0.13	<a href="http://search.cpan.org/dist/HTTP-Server-Simple-Mason/">http://search.cpan.org/dist/HTTP-Server-Simple-Mason/</a>
<i>perl-Hash-Merge</i>	new	0.11	<a href="http://search.cpan.org/dist/Hash-Merge/">http://search.cpan.org/dist/Hash-Merge/</a>
<i>perl-IO-Async</i>	new	0.23	<a href="http://search.cpan.org/dist/IO-Async/">http://search.cpan.org/dist/IO-Async/</a>
<i>perl-IO-Socket-SSL</i>	1.24	1.31	<a href="http://search.cpan.org/dist/IO-Socket-SSL/">http://search.cpan.org/dist/IO-Socket-SSL/</a>
<i>perl-IPC-Run</i>	0.82	0.84	<a href="http://search.cpan.org/dist/IPC-Run/">http://search.cpan.org/dist/IPC-Run/</a>
<i>perl-IPC-Run3</i>	0.042	0.043	<a href="http://search.cpan.org/dist/IPC-Run3/">http://search.cpan.org/dist/IPC-Run3/</a>

表 37. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>perl-JSON</i>	2.14	2.15	<a href="http://search.cpan.org/dist/JSON/">http://search.cpan.org/dist/JSON/</a>
<i>perl-JSON-RPC</i>	new	0.96	<a href="http://search.cpan.org/dist/JSON-RPC/">http://search.cpan.org/dist/JSON-RPC/</a>
<i>perl-JSON-RPC-Common</i>	new	0.03	<a href="http://search.cpan.org/dist/JSON-RPC-Common/">http://search.cpan.org/dist/JSON-RPC-Common</a>
<i>perl-JSON-XS</i>	2.2311	2.24	<a href="http://search.cpan.org/dist/JSON-XS/">http://search.cpan.org/dist/JSON-XS/</a>
<i>perl-JavaScript-Beautifier</i>	new	0.13	<a href="http://search.cpan.org/dist/JavaScript-Beautifier/">http://search.cpan.org/dist/JavaScript-Beautifier/</a>
<i>perl-JavaScript-Minifier</i>	new	1.05	<a href="http://search.cpan.org/dist/JavaScript-Minifier/">http://search.cpan.org/dist/JavaScript-Minifier/</a>

组件	老版本	新版本	上游URL
<i>perl-JavaScript-Minifier-XS</i>	new	0.06	<a href="http://search.cpan.org/dist/JavaScript-Minifier-XS/">http://search.cpan.org/dist/JavaScript-Minifier-XS/</a>
<i>perl-Jcode</i>	2.06	2.07	<a href="http://search.cpan.org/dist/Jcode/">http://search.cpan.org/dist/Jcode/</a>
<i>perl-Lexical-Persistence</i>	new	1.01	<a href="http://search.cpan.org/dist/Lexical-Persistence/">http://search.cpan.org/dist/Lexical-Persistence/</a>
<i>perl-Lingua-Flags</i>	new	0.05	<a href="http://search.cpan.org/dist/Lingua-Flags/">http://search.cpan.org/dist/Lingua-Flags/</a>
<i>perl-Linux-Inotify2</i>	new	1.2	<a href="http://search.cpan.org/dist/Linux-Inotify2/">http://search.cpan.org/dist/Linux-Inotify2</a>
<i>perl-Locale-Msgfmt</i>	new	0.14	<a href="http://search.cpan.org/dist/Locale-Msgfmt/">http://search.cpan.org/dist/Locale-Msgfmt/</a>
<i>perl-Locale-PO</i>	new	0.21	<a href="http://search.cpan.org/dist/Locale-PO/">http://search.cpan.org/dist/Locale-PO/</a>
<i>perl-Log-Log4perl</i>	1.20	1.24	<a href="http://search.cpan.org/dist/Log-Log4perl/">http://search.cpan.org/dist/Log-Log4perl/</a>
<i>perl-Log-LogLite</i>	new	0.82	<a href="http://search.cpan.org/dist/Log-LogLite/">http://search.cpan.org/dist/Log-LogLite/</a>
<i>perl-MIME-Charset</i>	new	1.006.2	<a href="http://search.cpan.org/dist/MIME-Charset/">http://search.cpan.org/dist/MIME-Charset/</a>
<i>perl-MIME-EncWords</i>	new	1.010.101	<a href="http://search.cpan.org/dist/MIME-EncWords/">http://search.cpan.org/dist/MIME-EncWords/</a>
<i>perl-MIME-Lite</i>	3.01	3.027	<a href="http://search.cpan.org/dist/MIME-Lite/">http://search.cpan.org/dist/MIME-Lite/</a>
<i>perl-MIME-Types</i>	1.27	1.28	<a href="http://search.cpan.org/dist/MIME-Types/">http://search.cpan.org/dist/MIME-Types/</a>
<i>perl-MP3-Info</i>	1.23	1.24	<a href="http://search.cpan.org/dist/MP3-Info/">http://search.cpan.org/dist/MP3-Info</a>
<i>perl-MRO-Compat</i>	0.10	0.11	<a href="http://search.cpan.org/dist/MRO-Compat/">http://search.cpan.org/dist/MRO-Compat/</a>
<i>perl-Mail-Box</i>	2.087	2.091	<a href="http://search.cpan.org/dist/Mail-Box/">http://search.cpan.org/dist/Mail-Box/</a>
<i>perl-Mail-DKIM</i>	0.32	0.37	<a href="http://dkimproxy.sourceforge.net/">http://dkimproxy.sourceforge.net/</a>
<i>perl-Mail-IMAPClient</i>	3.14	3.21	<a href="http://search.cpan.org/dist/Mail-IMAPClient/">http://search.cpan.org/dist/Mail-IMAPClient/</a>
<i>perl-Mail-Mbox-MessageParser</i>	1.5000	1.5002	<a href="http://search.cpan.org/dist/Mail-Mbox-MessageParser/">http://search.cpan.org/dist/Mail-Mbox-MessageParser/</a>
<i>perl-Mail-SPF-Query</i>	1.999.1	dropped	<a href="http://search.cpan.org/dist/Mail-SPF-Query/">http://search.cpan.org/dist/Mail-SPF-Query/</a>

组件	老版本	新版本	上游URL
<i>perl-Math-Calc-Units</i>	new	1.06	<a href="http://search.cpan.org/dist/Math-Calc-Units/">http://search.cpan.org/dist/Math-Calc-Units/</a>
<i>perl-Math-Curve-Hilbert</i>	new	0.04	<a href="http://search.cpan.org/dist/Math-Curve-Hilbert/">http://search.cpan.org/dist/Math-Curve-Hilbert/</a>
<i>perl-Math-GMP</i>	2.05	2.06	<a href="http://search.cpan.org/dist/Math-GMP/">http://search.cpan.org/dist/Math-GMP/</a>
<i>perl-Mixin-Linewise</i>	new	0.002	<a href="http://search.cpan.org/dist/Mixin-Linewise/">http://search.cpan.org/dist/Mixin-Linewise/</a>
<i>perl-Module-CPANTS-Analyse</i>	0.82	0.85	<a href="http://search.cpan.org/dist/Module-CPANTS-Analyse/">http://search.cpan.org/dist/Module-CPANTS-Analyse/</a>
<i>perl-Module-Find</i>	0.06	0.08	<a href="http://search.cpan.org/dist/Module-Find/">http://search.cpan.org/dist/Module-Find/</a>
<i>perl-Module-Install</i>	0.82	0.91	<a href="http://search.cpan.org/dist/Module-Install/">http://search.cpan.org/dist/Module-Install/</a>
<i>perl-Module-Pluggable</i>	3.60	3.90	<a href="http://www.perl.org/">http://www.perl.org/</a>
<i>perl-Module-Pluggable-Ordered</i>	new	1.5	<a href="http://search.cpan.org/dist/Module-Pluggable-Ordered/">http://search.cpan.org/dist/Module-Pluggable-Ordered/</a>
<i>perl-Module-ScanDeps</i>	0.89	0.95	<a href="http://search.cpan.org/dist/Module-ScanDeps/">http://search.cpan.org/dist/Module-ScanDeps/</a>
<i>perl-Module-Starter</i>	1.50	1.52	<a href="http://search.cpan.org/dist/Module-Starter/">http://search.cpan.org/dist/Module-Starter</a>
<i>perl-Module-Starter-Plugin-CGIApp</i>	new	0.10	<a href="http://search.cpan.org/dist/Module-Starter-Plugin-CGIApp/">http://search.cpan.org/dist/Module-Starter-Plugin-CGIApp/</a>
<i>perl-Module-Used</i>	new	1.2.0	<a href="http://search.cpan.org/dist/Module-Used/">http://search.cpan.org/dist/Module-Used/</a>
<i>perl-Module-Util</i>	1.05	1.07	<a href="http://search.cpan.org/dist/Module-Util/">http://search.cpan.org/dist/Module-Util</a>
<i>perl-Moose</i>	0.73	0.92	<a href="http://search.cpan.org/dist/Moose/">http://search.cpan.org/dist/Moose/</a>
<i>perl-MooseX-App-Cmd</i>	0.04	0.06	<a href="http://search.cpan.org/dist/MooseX-App-Cmd/">http://search.cpan.org/dist/MooseX-App-Cmd</a>
<i>perl-MooseX-AttributeHelpers</i>	0.16	0.22	<a href="http://search.cpan.org/dist/MooseX-AttributeHelpers/">http://search.cpan.org/dist/MooseX-AttributeHelpers/</a>
<i>perl-MooseX-ClassAttribute</i>	0.07	0.08	<a href="http://search.cpan.org/dist/MooseX-ClassAttribute/">http://search.cpan.org/dist/MooseX-ClassAttribute/</a>

组件	老版本	新版本	上游URL
<i>perl-MooseX-Emulate-Class-Accessor-Fast</i>	0.00800	0.00903	<a href="http://search.cpan.org/dist/MooseX-Emulate-Class-Accessor-Fast">http://search.cpan.org/dist/MooseX-Emulate-Class-Accessor-Fast</a>
<i>perl-MooseX-Getopt</i>	0.15	0.22	<a href="http://search.cpan.org/dist/MooseX-Getopt/">http://search.cpan.org/dist/MooseX-Getopt/</a>
<i>perl-MooseX-Iterator</i>	0.09	0.11	<a href="http://search.cpan.org/dist/MooseX-Iterator/">http://search.cpan.org/dist/MooseX-Iterator/</a>
<i>perl-MooseX-Log-Log4perl</i>	0.31	0.40	<a href="http://search.cpan.org/dist/MooseX-Log-Log4perl">http://search.cpan.org/dist/MooseX-Log-Log4perl</a>
<i>perl-MooseX-MethodAttributes</i>	new	0.18	<a href="http://search.cpan.org/dist/MooseX-MethodAttributes">http://search.cpan.org/dist/MooseX-MethodAttributes</a>
<i>perl-MooseX-Object-Pluggable</i>	0.0009	0.0011	<a href="http://search.cpan.org/dist/MooseX-Object-Pluggable/">http://search.cpan.org/dist/MooseX-Object-Pluggable/</a>
<i>perl-MooseX-POE</i>	0.1	0.204	<a href="http://search.cpan.org/dist/MooseX-POE/">http://search.cpan.org/dist/MooseX-POE/</a>
<i>perl-MooseX-Params-Validate</i>	0.07	0.12	<a href="http://search.cpan.org/dist/MooseX-Params-Validate/">http://search.cpan.org/dist/MooseX-Params-Validate/</a>
<i>perl-MooseX-Role-Cmd</i>	0.04	0.05	<a href="http://search.cpan.org/dist/MooseX-Role-Cmd/">http://search.cpan.org/dist/MooseX-Role-Cmd/</a>
<i>perl-MooseX-Role-Parameterized</i>	0.04	0.09	<a href="http://search.cpan.org/dist/MooseX-Role-Parameterized">http://search.cpan.org/dist/MooseX-Role-Parameterized</a>
<i>perl-MooseX-Role-XMLRPC-Client</i>	new	0.04	<a href="http://search.cpan.org/dist/MooseX-Role-XMLRPC-Client">http://search.cpan.org/dist/MooseX-Role-XMLRPC-Client</a>
<i>perl-MooseX-SemiAffordanceAccessor</i>	new	0.05	<a href="http://search.cpan.org/dist/MooseX-SemiAffordanceAccessor">http://search.cpan.org/dist/MooseX-SemiAffordanceAccessor</a>
<i>perl-MooseX-Singleton</i>	0.14	0.17	<a href="http://search.cpan.org/dist/MooseX-Singleton/">http://search.cpan.org/dist/MooseX-Singleton/</a>
<i>perl-MooseX-Storage</i>	new	0.21	<a href="http://search.cpan.org/dist/MooseX-Storage">http://search.cpan.org/dist/MooseX-Storage</a>
<i>perl-MooseX-StrictConstructor</i>	0.07	0.08	<a href="http://search.cpan.org/dist/MooseX-StrictConstructor">http://search.cpan.org/dist/MooseX-StrictConstructor</a>
<i>perl-MooseX-Types</i>	0.10	0.20	<a href="http://search.cpan.org/dist/MooseX-Types">http://search.cpan.org/dist/MooseX-Types</a>

组件	老版本	新版本	上游URL
<i>perl-MooseX-Types-URI</i>	0.01	0.02	<a href="http://search.cpan.org/dist/MooseX-Types-URI">http://search.cpan.org/dist/MooseX-Types-URI</a>
<i>perl-MooseX-Workers</i>	0.04	0.05	<a href="http://search.cpan.org/dist/MooseX-Workers/">http://search.cpan.org/dist/MooseX-Workers/</a>
<i>perl-Mouse</i>	0.19	0.35	<a href="http://search.cpan.org/dist/Mouse">http://search.cpan.org/dist/Mouse</a>
<i>perl-Nagios-Plugin</i>	new	0.33	<a href="http://search.cpan.org/dist/Nagios-Plugin/">http://search.cpan.org/dist/Nagios-Plugin/</a>
<i>perl-Net-Amazon</i>	new	0.57	<a href="http://search.cpan.org/dist/Net-Amazon/">http://search.cpan.org/dist/Net-Amazon/</a>
<i>perl-Net-CUPS</i>	0.59	0.61	<a href="http://search.cpan.org/dist/Net-CUPS/">http://search.cpan.org/dist/Net-CUPS/</a>
<i>perl-Net-DNS</i>	0.63	0.65	<a href="http://www.net-dns.org/">http://www.net-dns.org/</a>
<i>perl-Net-DNS-Nameserver</i>	0.63	0.65	<a href="http://www.net-dns.org/">http://www.net-dns.org/</a>
<i>perl-Net-LibIDN</i>	0.11	0.12	<a href="http://search.cpan.org/dist/Net-LibIDN/">http://search.cpan.org/dist/Net-LibIDN/</a>
<i>perl-Net-OAuth</i>	0.14	0.19	<a href="http://search.cpan.org/dist/Net-OAuth/">http://search.cpan.org/dist/Net-OAuth/</a>
<i>perl-Net-Patricia</i>	1.014	1.15	<a href="http://search.cpan.org/dist/Net-Patricia/">http://search.cpan.org/dist/Net-Patricia/</a>
<i>perl-Net-SSH2</i>	0.18	0.27	<a href="http://search.cpan.org/dist/Net-SSH2/">http://search.cpan.org/dist/Net-SSH2/</a>
<i>perl-Net-UPnP</i>	new	1.41	<a href="http://search.cpan.org/dist/Net-UPnP/">http://search.cpan.org/dist/Net-UPnP/</a>
<i>perl-NetAddr-IP</i>	4.007	4.027	<a href="http://search.cpan.org/dist/NetAddr-IP/">http://search.cpan.org/dist/NetAddr-IP/</a>
<i>perl-Number-Format</i>	1.70	1.72a	<a href="http://search.cpan.org/dist/Number-Format/">http://search.cpan.org/dist/Number-Format/</a>
<i>perl-ORLite</i>	1.20	1.22	<a href="http://search.cpan.org/dist/ORLite/">http://search.cpan.org/dist/ORLite/</a>
<i>perl-ORLite-Migrate</i>	0.01	0.03	<a href="http://search.cpan.org/dist/ORLite-Migrate/">http://search.cpan.org/dist/ORLite-Migrate/</a>
<i>perl-Object-InsideOut</i>	3.51	3.56	<a href="http://search.cpan.org/dist/Object-InsideOut">http://search.cpan.org/dist/Object-InsideOut</a>
<i>perl-PAR</i>	0.983	0.994	<a href="http://search.cpan.org/dist/PAR/">http://search.cpan.org/dist/PAR/</a>
<i>perl-PAR-Dist</i>	0.43	0.46	<a href="http://search.cpan.org/dist/PAR-Dist/">http://search.cpan.org/dist/PAR-Dist/</a>
<i>perl-PAR-Packer</i>	new	0.991	<a href="http://search.cpan.org/dist/PAR-Packer/">http://search.cpan.org/dist/PAR-Packer/</a>

组件	老版本	新版本	上游URL
<i>perl-PDF-Reuse</i>	new	0.35	<a href="http://search.cpan.org/dist/PDF-Reuse">http://search.cpan.org/dist/PDF-Reuse</a>
<i>perl-PDL</i>	2.4.4	2.4.4_05	<a href="http://pdl.perl.org/">http://pdl.perl.org/</a>
<i>perl-POE</i>	1.003	1.269	<a href="http://search.cpan.org/dist/POE/">http://search.cpan.org/dist/POE/</a>
<i>perl-POE-API-Peek</i>	1.0802	1.34	<a href="http://search.cpan.org/dist/POE-API-Peek/">http://search.cpan.org/dist/POE-API-Peek/</a>
<i>perl-POE-Component-Client-DNS</i>	1.00	1.050	<a href="http://search.cpan.org/dist/POE-Component-Client-DNS">http://search.cpan.org/dist/POE-Component-Client-DNS</a>
<i>perl-POE-Component-Client-Keepalive</i>	0.1000	0.2600	<a href="http://search.cpan.org/dist/POE-Component-Client-Keepalive">http://search.cpan.org/dist/POE-Component-Client-Keepalive</a>
<i>perl-POE-Component-Client-SMTP</i>	new	0.22	<a href="http://search.cpan.org/dist/POE-Component-Client-SMTP/">http://search.cpan.org/dist/POE-Component-Client-SMTP/</a>
<i>perl-POE-Component-IRC</i>	5.88	6.14	<a href="http://search.cpan.org/dist/POE-Component-IRC">http://search.cpan.org/dist/POE-Component-IRC</a>
<i>perl-POE-Component-JobQueue</i>	0.5500	0.570	<a href="http://search.cpan.org/dist/POE-Component-JobQueue">http://search.cpan.org/dist/POE-Component-JobQueue</a>
<i>perl-POE-Component-Log4perl</i>	new	0.02	<a href="http://search.cpan.org/dist/POE-Component-Log4perl/">http://search.cpan.org/dist/POE-Component-Log4perl/</a>
<i>perl-POE-Component-SSLify</i>	0.14	0.15	<a href="http://search.cpan.org/dist/POE-Component-SSLify/">http://search.cpan.org/dist/POE-Component-SSLify/</a>
<i>perl-POE-Component-Server-Bayeux</i>	new	0.02	<a href="http://search.cpan.org/dist/POE-Component-Server-Bayeux/">http://search.cpan.org/dist/POE-Component-Server-Bayeux/</a>
<i>perl-POE-Component-SimpleDBI</i>	1.18	1.27	<a href="http://search.cpan.org/dist/POE-Component-SimpleDBI/">http://search.cpan.org/dist/POE-Component-SimpleDBI/</a>
<i>perl-POE-Filter-IRCD</i>	2.2	2.40	<a href="http://search.cpan.org/dist/POE-Filter-IRCD">http://search.cpan.org/dist/POE-Filter-IRCD</a>
<i>perl-POE-Filter-Transparent-SMTP</i>	new	0.2	<a href="http://search.cpan.org/dist/POE-Filter-Transparent-SMTP/">http://search.cpan.org/dist/POE-Filter-Transparent-SMTP/</a>
<i>perl-POE-Filter-Zlib</i>	2.01	2.02	<a href="http://search.cpan.org/dist/POE-Filter-Zlib/">http://search.cpan.org/dist/POE-Filter-Zlib/</a>
<i>perl-POE-Test-Loops</i>	1.005	1.022	<a href="http://search.cpan.org/dist/POE-Test-Loops">http://search.cpan.org/dist/POE-Test-Loops</a>

组件	老版本	新版本	上游URL
<i>perl-PPI</i>	1.203	1.206	<a href="http://search.cpan.org/dist/PPI/">http://search.cpan.org/dist/PPI/</a>
<i>perl-PPIx-EditorTools</i>	new	0.07	<a href="http://search.cpan.org/dist/PPIx-EditorTools/">http://search.cpan.org/dist/PPIx-EditorTools/</a>
<i>perl-Package-Generator</i>	0.102	0.103	<a href="http://search.cpan.org/dist/Package-Generator/">http://search.cpan.org/dist/Package-Generator/</a>
<i>perl-PadWalker</i>	1.7	1.9	<a href="http://search.cpan.org/dist/PadWalker/">http://search.cpan.org/dist/PadWalker/</a>
<i>perl-Panotools-Script</i>	0.19	0.22	<a href="http://search.cpan.org/dist/Panotools-Script/">http://search.cpan.org/dist/Panotools-Script/</a>
<i>perl-Params-Util</i>	0.38	1.00	<a href="http://search.cpan.org/dist/Params-Util/">http://search.cpan.org/dist/Params-Util/</a>
<i>perl-Parse-BACKPAN-Packages</i>	0.34	0.35	<a href="http://search.cpan.org/dist/Parse-BACKPAN-Packages">http://search.cpan.org/dist/Parse-BACKPAN-Packages</a>
<i>perl-Parse-CPAN-Meta</i>	0.04	1.40	<a href="http://search.cpan.org/dist/Parse-CPAN-Meta/">http://search.cpan.org/dist/Parse-CPAN-Meta/</a>
<i>perl-Parse-CPAN-Packages</i>	2.30	2.31	<a href="http://search.cpan.org/dist/Parse-CPAN-Packages/">http://search.cpan.org/dist/Parse-CPAN-Packages/</a>
<i>perl-Parse-ExuberantCTags</i>	new	1.01	<a href="http://search.cpan.org/dist/Parse-ExuberantCTags/">http://search.cpan.org/dist/Parse-ExuberantCTags/</a>
<i>perl-Parse-RecDescent</i>	1.96	1.962.2	<a href="http://search.cpan.org/dist/Parse-RecDescent/">http://search.cpan.org/dist/Parse-RecDescent/</a>
<i>perl-Perl-Critic</i>	1.092	1.105	<a href="http://search.cpan.org/dist/Perl-Critic/">http://search.cpan.org/dist/Perl-Critic/</a>
<i>perl-Perl-MinimumVersion</i>	1.19	1.20	<a href="http://search.cpan.org/dist/Perl-MinimumVersion/">http://search.cpan.org/dist/Perl-MinimumVersion/</a>
<i>perl-Perl-Tags</i>	new	0.26	<a href="http://search.cpan.org/dist/Perl-Tags/">http://search.cpan.org/dist/Perl-Tags/</a>
<i>perl-Pod-Abstract</i>	new	0.17	<a href="http://search.cpan.org/dist/Pod-Abstract/">http://search.cpan.org/dist/Pod-Abstract/</a>
<i>perl-Pod-POM</i>	0.18	0.25	<a href="http://search.cpan.org/dist/Pod-POM/">http://search.cpan.org/dist/Pod-POM/</a>
<i>perl-Pod-Xhtml</i>	new	1.59	<a href="http://search.cpan.org/dist/Pod-Xhtml/">http://search.cpan.org/dist/Pod-Xhtml/</a>
<i>perl-Proc-Simple</i>	new	1.26	<a href="http://search.cpan.org/dist/Proc-Simple/">http://search.cpan.org/dist/Proc-Simple/</a>
<i>perl-RPC-XML</i>	0.64	0.69	<a href="http://search.cpan.org/dist/RPC-XML/">http://search.cpan.org/dist/RPC-XML/</a>



组件	老版本	新版本	上游URL
<i>perl-RT-Client-REST</i>	new	0.37	<a href="http://search.cpan.org/dist/RT-Client-REST">http://search.cpan.org/dist/RT-Client-REST</a>
<i>perl-SNMP-Info</i>	1.04	2.01	<a href="http://search.cpan.org/dist/SNMP-Info/">http://search.cpan.org/dist/SNMP-Info/</a>
<i>perl-SOAP-Lite</i>	0.710.08	0.710.10	<a href="http://search.cpan.org/dist/SOAP-Lite/">http://search.cpan.org/dist/SOAP-Lite/</a>
<i>perl-SQL-Abstract</i>	1.50	1.60	<a href="http://search.cpan.org/dist/SQL-Abstract">http://search.cpan.org/dist/SQL-Abstract</a>
<i>perl-SQL-Shell</i>	new	1.14	<a href="http://search.cpan.org/dist/SQL-Shell">http://search.cpan.org/dist/SQL-Shell</a>
<i>perl-SQL-Statement</i>	1.15	1.20	<a href="http://search.cpan.org/dist/SQL-Statement/">http://search.cpan.org/dist/SQL-Statement/</a>
<i>perl-SQL-Translator</i>	0.09004	0.11002	<a href="http://search.cpan.org/dist/SQL-Translator/">http://search.cpan.org/dist/SQL-Translator/</a>
<i>perl-SUPER</i>	1.16	1.17	<a href="http://search.cpan.org/dist/SUPER/">http://search.cpan.org/dist/SUPER/</a>
<i>perl-Sane</i>	0.02	0.03	<a href="http://search.cpan.org/dist/Sane/">http://search.cpan.org/dist/Sane/</a>
<i>perl-Scope-Upper</i>	0.07	0.09	<a href="http://search.cpan.org/dist/Scope-Upper">http://search.cpan.org/dist/Scope-Upper</a>
<i>perl-Search-Xapian</i>	new	1.0.15.0	<a href="http://search.cpan.org/~olly/Search-Xapian-1.0.15.0/Xapian.pm">http://search.cpan.org/~olly/Search-Xapian-1.0.15.0/Xapian.pm</a>
<i>perl-Sendmail-PMilter</i>	new	0.97	<a href="http://search.cpan.org/dist/Sendmail-PMilter/">http://search.cpan.org/dist/Sendmail-PMilter/</a>
<i>perl-Socket-GetAddrInfo</i>	new	0.12	<a href="http://search.cpan.org/dist/Socket-GetAddrInfo/">http://search.cpan.org/dist/Socket-GetAddrInfo/</a>
<i>perl-Software-License</i>	0.008	0.012	<a href="http://search.cpan.org/dist/Software-License/">http://search.cpan.org/dist/Software-License/</a>
<i>perl-String-Diff</i>	new	0.04	<a href="http://search.cpan.org/dist/String-Diff/">http://search.cpan.org/dist/String-Diff/</a>
<i>perl-String-Format</i>	1.15	1.16	<a href="http://search.cpan.org/dist/String-Format/">http://search.cpan.org/dist/String-Format/</a>
<i>perl-String-RewritePrefix</i>	new	0.004	<a href="http://search.cpan.org/dist/String-RewritePrefix">http://search.cpan.org/dist/String-RewritePrefix</a>

表 38. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>perl-Sub-WrapPackages</i>	new	1.3	<a href="http://search.cpan.org/dist/Sub-WrapPackages/">http://search.cpan.org/dist/Sub-WrapPackages/</a>
<i>perl-Syntax-Highlight-Engine-Kate</i>	new	0.04	<a href="http://search.cpan.org/dist/Syntax-Highlight-Engine-Kate/">http://search.cpan.org/dist/Syntax-Highlight-Engine-Kate/</a>
<i>perl-Syntax-Highlight-Perl-Improved</i>	new	1.01	<a href="http://search.cpan.org/dist/Syntax-Highlight-Perl-Improved/">http://search.cpan.org/dist/Syntax-Highlight-Perl-Improved/</a>
<i>perl-Sys-SigAction</i>	0.10	0.11	<a href="http://search.cpan.org/dist/Sys-SigAction/">http://search.cpan.org/dist/Sys-SigAction/</a>
<i>perl-Sys-Virt</i>	0.2.0	0.2.1	<a href="http://search.cpan.org/dist/Sys-Virt/">http://search.cpan.org/dist/Sys-Virt/</a>
<i>perl-Sysadm-Install</i>	0.27	0.33	<a href="http://search.cpan.org/dist/Sysadm-Install/">http://search.cpan.org/dist/Sysadm-Install/</a>
<i>perl-SystemC-Vregs</i>	1.462	1.463	<a href="http://search.cpan.org/dist/SystemC-Vregs/">http://search.cpan.org/dist/SystemC-Vregs/</a>
<i>perl-SystemPerl</i>	new	1.330	<a href="http://search.cpan.org/dist/SystemPerl/">http://search.cpan.org/dist/SystemPerl/</a>
<i>perl-SystemPerl-devel</i>	new	1.330	<a href="http://search.cpan.org/dist/SystemPerl/">http://search.cpan.org/dist/SystemPerl/</a>
<i>perl-TAP-Formatter-HTML</i>	new	0.07	<a href="http://search.cpan.org/dist/TAP-Formatter-HTML/">http://search.cpan.org/dist/TAP-Formatter-HTML/</a>
<i>perl-TAP-Harness-Archive</i>	0.12	0.14	<a href="http://search.cpan.org/dist/TAP-Harness-Archive/">http://search.cpan.org/dist/TAP-Harness-Archive/</a>
<i>perl-TAP-Harness-JUnit</i>	0.26	0.32	<a href="http://search.cpan.org/dist/TAP-Harness-JUnit/">http://search.cpan.org/dist/TAP-Harness-JUnit/</a>
<i>perl-Template-Plugin-Class</i>	0.13	0.14	<a href="http://search.cpan.org/dist/Template-Plugin-Class/">http://search.cpan.org/dist/Template-Plugin-Class/</a>
<i>perl-Template-Toolkit</i>	2.20	2.22	<a href="http://www.template-toolkit.org/">http://www.template-toolkit.org/</a>
<i>perl-Term-Completion</i>	new	0.91	<a href="http://search.cpan.org/dist/Term-Completion/">http://search.cpan.org/dist/Term-Completion</a>
<i>perl-Term-Prompt</i>	new	1.04	<a href="http://search.cpan.org/dist/Term-Prompt/">http://search.cpan.org/dist/Term-Prompt/</a>
<i>perl-Term-ReadLine-Gnu</i>	1.17a	1.19	<a href="http://search.cpan.org/dist/Term-ReadLine-Gnu/">http://search.cpan.org/dist/Term-ReadLine-Gnu/</a>

组件	老版本	新版本	上游URL
<i>perl-Test-Aggregate</i>	new	0.35	<a href="http://search.cpan.org/dist/Test-Aggregate">http://search.cpan.org/dist/Test-Aggregate</a>
<i>perl-Test-Base</i>	0.55	0.58	<a href="http://search.cpan.org/dist/Test-Base/">http://search.cpan.org/dist/Test-Base/</a>
<i>perl-Test-CPAN-Meta</i>	0.12	0.13	<a href="http://search.cpan.org/dist/Test-CPAN-Meta/">http://search.cpan.org/dist/Test-CPAN-Meta/</a>
<i>perl-Test-Class</i>	0.31	0.33	<a href="http://search.cpan.org/dist/Test-Class/">http://search.cpan.org/dist/Test-Class/</a>
<i>perl-Test-ClassAPI</i>	1.05	1.06	<a href="http://search.cpan.org/dist/Test-ClassAPI/">http://search.cpan.org/dist/Test-ClassAPI/</a>
<i>perl-Test-Deep</i>	0.103	0.106	<a href="http://search.cpan.org/dist/Test-Deep/">http://search.cpan.org/dist/Test-Deep/</a>
<i>perl-Test-HTTP-Server-Simple-StashWarnings</i>	0.03	0.04	<a href="http://search.cpan.org/dist/Test-HTTP-Server-Simple-StashWarnings/">http://search.cpan.org/dist/Test-HTTP-Server-Simple-StashWarnings/</a>
<i>perl-Test-Inline</i>	2.208	2.211	<a href="http://search.cpan.org/dist/Test-Inline/">http://search.cpan.org/dist/Test-Inline/</a>
<i>perl-Test-MinimumVersion</i>	0.008	0.011	<a href="http://search.cpan.org/dist/Test-MinimumVersion/">http://search.cpan.org/dist/Test-MinimumVersion/</a>
<i>perl-Test-MockTime</i>	0.09	0.12	<a href="http://search.cpan.org/dist/Test-MockTime/">http://search.cpan.org/dist/Test-MockTime/</a>
<i>perl-Test-Moose</i>	new	0.92	<a href="http://search.cpan.org/dist/Moose/">http://search.cpan.org/dist/Moose/</a>
<i>perl-Test-Most</i>	new	0.21	<a href="http://search.cpan.org/dist/Test-Most/">http://search.cpan.org/dist/Test-Most/</a>
<i>perl-Test-Pod</i>	1.26	1.40	<a href="http://search.cpan.org/dist/Test-Pod/">http://search.cpan.org/dist/Test-Pod/</a>
<i>perl-Test-Prereq</i>	1.036	1.037	<a href="http://search.cpan.org/dist/Test-Prereq/">http://search.cpan.org/dist/Test-Prereq/</a>
<i>perl-Test-Refcount</i>	new	0.05	<a href="http://search.cpan.org/dist/Test-Refcount/">http://search.cpan.org/dist/Test-Refcount/</a>
<i>perl-Test-Script</i>	1.03	1.06	<a href="http://search.cpan.org/dist/Test-Script/">http://search.cpan.org/dist/Test-Script/</a>
<i>perl-Test-SubCalls</i>	1.08	1.09	<a href="http://search.cpan.org/dist/Test-SubCalls/">http://search.cpan.org/dist/Test-SubCalls/</a>
<i>perl-Test-TempDir</i>	0.04	0.05	<a href="http://search.cpan.org/dist/Test-TempDir/">http://search.cpan.org/dist/Test-TempDir/</a>
<i>perl-Test-Unit-Lite</i>	0.1101	0.12	<a href="http://search.cpan.org/dist/Test-Unit-Lite/">http://search.cpan.org/dist/Test-Unit-Lite/</a>
<i>perl-Test-Unit-Runner-Xml</i>	new	0.1	<a href="http://search.cpan.org/dist/Test-Unit-Runner-Xml/">http://search.cpan.org/dist/Test-Unit-Runner-Xml/</a>

组件	老版本	新版本	上游URL
<i>perl-Test-WWW-Mechanize-CGIApp</i>	new	0.05	<a href="http://search.cpan.org/dist/Test-WWW-Mechanize-CGIApp/">http://search.cpan.org/dist/Test-WWW-Mechanize-CGIApp/</a>
<i>perl-Test-Warn</i>	0.11	0.21	<a href="http://search.cpan.org/dist/Test-Warn/">http://search.cpan.org/dist/Test-Warn/</a>
<i>perl-Test-YAML-Meta</i>	0.11	0.12	<a href="http://search.cpan.org/dist/Test-YAML-Meta/">http://search.cpan.org/dist/Test-YAML-Meta/</a>
<i>perl-Text-CSV</i>	new	1.10	<a href="http://search.cpan.org/dist/Text-CSV/">http://search.cpan.org/dist/Text-CSV/</a>
<i>perl-Text-CSV_XS</i>	0.58	0.69	<a href="http://search.cpan.org/dist/Text-CSV_XS/">http://search.cpan.org/dist/Text-CSV_XS/</a>
<i>perl-Text-Context</i>	new	3.6	<a href="http://search.cpan.org/dist/Text-Context/">http://search.cpan.org/dist/Text-Context/</a>
<i>perl-Text-Context-EitherSide</i>	new	1.4	<a href="http://search.cpan.org/dist/Text-Context-EitherSide/">http://search.cpan.org/dist/Text-Context-EitherSide/</a>
<i>perl-Text-Diff</i>	0.35	1.37	<a href="http://search.cpan.org/dist/Text-Diff/">http://search.cpan.org/dist/Text-Diff/</a>
<i>perl-Text-Emoticon</i>	new	0.04	<a href="http://search.cpan.org/dist/Text-Emoticon/">http://search.cpan.org/dist/Text-Emoticon/</a>
<i>perl-Text-Emoticon-MSN</i>	new	0.04	<a href="http://search.cpan.org/dist/Text-Emoticon-MSN/">http://search.cpan.org/dist/Text-Emoticon-MSN/</a>
<i>perl-Text-PDF</i>	new	0.29a	<a href="http://search.cpan.org/dist/Text-PDF/">http://search.cpan.org/dist/Text-PDF/</a>
<i>perl-Text-RecordParser</i>	1.2.1	1.3.0	<a href="http://search.cpan.org/dist/Text-RecordParser/">http://search.cpan.org/dist/Text-RecordParser/</a>
<i>perl-Text-SimpleTable</i>	0.05	2.0	<a href="http://search.cpan.org/dist/Text-SimpleTable/">http://search.cpan.org/dist/Text-SimpleTable/</a>
<i>perl-Text-Textile</i>	new	2.12	<a href="http://search.cpan.org/dist/Text-Textile/">http://search.cpan.org/dist/Text-Textile/</a>
<i>perl-Text-VimColor</i>	new	0.11	<a href="http://search.cpan.org/dist/Text-VimColor/">http://search.cpan.org/dist/Text-VimColor/</a>
<i>perl-TheSchwartz</i>	new	1.07	<a href="http://search.cpan.org/dist/TheSchwartz/">http://search.cpan.org/dist/TheSchwartz/</a>
<i>perl-Time-Warp</i>	new	0.5	<a href="http://search.cpan.org/dist/Time-Warp/">http://search.cpan.org/dist/Time-Warp/</a>
<i>perl-Titanium</i>	new	1.03	<a href="http://search.cpan.org/dist/Titanium/">http://search.cpan.org/dist/Titanium/</a>
<i>perl-Tk-Stderr</i>	new	1.2	<a href="http://search.cpan.org/dist/Tk-Stderr/">http://search.cpan.org/dist/Tk-Stderr/</a>
<i>perl-UNIVERSAL-can</i>	1.12	1.15	<a href="http://search.cpan.org/dist/UNIVERSAL-can/">http://search.cpan.org/dist/UNIVERSAL-can/</a>

组件	老版本	新版本	上游URL
<i>perl-UNIVERSAL-isa</i>	1.01	1.03	<a href="http://search.cpan.org/dist/UNIVERSAL-isa/">http://search.cpan.org/dist/UNIVERSAL-isa/</a>
<i>perl-UNIVERSAL-require</i>	0.11	0.13	<a href="http://search.cpan.org/dist/UNIVERSAL-require/">http://search.cpan.org/dist/UNIVERSAL-require/</a>
<i>perl-URI</i>	1.37	1.40	<a href="http://search.cpan.org/dist/URI/">http://search.cpan.org/dist/URI/</a>
<i>perl-URI-Find</i>	0.16	20090319	<a href="http://search.cpan.org/dist/URI-Find/">http://search.cpan.org/dist/URI-Find/</a>
<i>perl-Variable-Magic</i>	0.32	0.37	<a href="http://search.cpan.org/dist/Variable-Magic/">http://search.cpan.org/dist/Variable-Magic/</a>
<i>perl-WWW-Curl</i>	4.05	4.09	<a href="http://search.cpan.org/dist/WWW-Curl/">http://search.cpan.org/dist/WWW-Curl/</a>
<i>perl-WWW-Mechanize</i>	1.54	1.60	<a href="http://search.cpan.org/dist/WWW-Mechanize/">http://search.cpan.org/dist/WWW-Mechanize/</a>
<i>perl-WWW-Mechanize-TreeBuilder</i>	new	1.10000	<a href="http://search.cpan.org/dist/WWW-Mechanize-TreeBuilder/">http://search.cpan.org/dist/WWW-Mechanize-TreeBuilder/</a>
<i>perl-WWW-Pastebin-PastebinCom-Create</i>	new	0.002	<a href="http://search.cpan.org/dist/WWW-Pastebin-PastebinCom-Create/">http://search.cpan.org/dist/WWW-Pastebin-PastebinCom-Create/</a>
<i>perl-WWW-Pastebin-RafbNet-Create</i>	new	0.001	<a href="http://search.cpan.org/dist/WWW-Pastebin-RafbNet-Create/">http://search.cpan.org/dist/WWW-Pastebin-RafbNet-Create/</a>
<i>perl-WebService-Validator-CSS-W3C</i>	new	0.2	<a href="http://search.cpan.org/dist/WebService-Validator-CSS-W3C/">http://search.cpan.org/dist/WebService-Validator-CSS-W3C/</a>
<i>perl-WebService-Validator-HTML-W3C</i>	new	0.24	<a href="http://search.cpan.org/dist/WebService-Validator-HTML-W3C/">http://search.cpan.org/dist/WebService-Validator-HTML-W3C/</a>
<i>perl-Wx</i>	0.89	0.92	<a href="http://search.cpan.org/dist/Wx/">http://search.cpan.org/dist/Wx/</a>
<i>perl-Wx-Perl-DataWalker</i>	new	0.02	<a href="http://search.cpan.org/dist/Wx-Perl-DataWalker/">http://search.cpan.org/dist/Wx-Perl-DataWalker/</a>
<i>perl-XML-Atom</i>	new	0.35	<a href="http://search.cpan.org/dist/XML-Atom/">http://search.cpan.org/dist/XML-Atom/</a>
<i>perl-XML-Atom-SimpleFeed</i>	0.82	0.86	<a href="http://search.cpan.org/dist/XML-Atom-SimpleFeed/">http://search.cpan.org/dist/XML-Atom-SimpleFeed/</a>
<i>perl-XML-Feed</i>	new	0.43	<a href="http://search.cpan.org/dist/XML-Feed/">http://search.cpan.org/dist/XML-Feed/</a>

组件	老版本	新版本	上游URL
<i>perl-XML- NamespaceSupport</i>	1.09	1.10	<a href="http://search.cpan.org/dist/XML-&lt;br/&gt;NamespaceSupport/">http://search.cpan.org/ dist/XML- NamespaceSupport/</a>
<i>perl-XML-Parser-Lite- Tree</i>	new	0.12	<a href="http://search.cpan.org/dist/XML-Parser-Lite-&lt;br/&gt;Tree/">http://search.cpan.org/ dist/XML-Parser-Lite- Tree/</a>
<i>perl-XML-RSS</i>	1.43	1.45	<a href="http://search.cpan.org/dist/XML-RSS/">http://search.cpan.org/ dist/XML-RSS/</a>
<i>perl-XML-RSS-LibXML</i>	new	0.3004	<a href="http://search.cpan.org/dist/XML-RSS-LibXML/">http://search.cpan.org/ dist/XML-RSS-LibXML/</a>
<i>perl-XML-TokeParser</i>	new	0.05	<a href="http://search.cpan.org/dist/XML-TokeParser/">http://search.cpan.org/ dist/XML-TokeParser/</a>
<i>perl-XML-Twig</i>	3.32	3.33	<a href="http://search.cpan.org/dist/XML-Twig/">http://search.cpan.org/ dist/XML-Twig/</a>
<i>perl-XML-XPathEngine</i>	0.11	0.12	<a href="http://search.cpan.org/dist/XML-XPathEngine/">http://search.cpan.org/ dist/XML-XPathEngine/</a>
<i>perl-XXX</i>	new	0.12	<a href="http://search.cpan.org/dist/XXX/">http://search.cpan.org/ dist/XXX/</a>
<i>perl-YAML</i>	0.68	0.70	<a href="http://search.cpan.org/dist/YAML/">http://search.cpan.org/ dist/YAML/</a>
<i>perl-YAML-LibYAML</i>	new	0.32	<a href="http://search.cpan.org/dist/YAML-LibYAML/">http://search.cpan.org/ dist/YAML-LibYAML/</a>
<i>perl-YAML-Syck</i>	1.05	1.07	<a href="http://search.cpan.org/dist/YAML-Syck/">http://search.cpan.org/ dist/YAML-Syck/</a>
<i>perl-YAML-Tiny</i>	1.36	1.40	<a href="http://search.cpan.org/dist/YAML-Tiny/">http://search.cpan.org/ dist/YAML-Tiny/</a>
<i>perl-accessors</i>	new	1.01	<a href="http://search.cpan.org/dist/accessors/">http://search.cpan.org/ dist/accessors/</a>
<i>perl-aliased</i>	0.22	0.30	<a href="http://search.cpan.org/dist/aliased/">http://search.cpan.org/ dist/aliased/</a>
<i>perl-latest</i>	new	0.03	<a href="http://search.cpan.org/dist/latest/">http://search.cpan.org/ dist/latest/</a>
<i>perl-libguestfs</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>perl-libwww-perl</i>	5.825	5.831	<a href="http://search.cpan.org/dist/libwww-perl/">http://search.cpan.org/ dist/libwww-perl/</a>
<i>perl-local-lib</i>	1.003002	1.004007	<a href="http://search.cpan.org/dist/local-lib/">http://search.cpan.org/ dist/local-lib</a>
<i>perl-namespace- autoclean</i>	new	0.09	<a href="http://search.cpan.org/dist/namespace-&lt;br/&gt;autoclean/">http://search.cpan.org/ dist/namespace- autoclean</a>
<i>perl-p5-Palm</i>	new	1.011	<a href="http://search.cpan.org/dist/p5-Palm/">http://search.cpan.org/ dist/p5-Palm/</a>

组件	老版本	新版本	上游URL
<i>perl-parent</i>	0.221	0.223	<a href="http://search.cpan.org/dist/parent/">http://search.cpan.org/dist/parent/</a>
<i>perl-prefork</i>	1.02	1.04	<a href="http://search.cpan.org/dist/prefork/">http://search.cpan.org/dist/prefork/</a>
<i>php-IDNA_Convert</i>	new	0.6.3	<a href="http://idnaconv.phlymail.de/">http://idnaconv.phlymail.de/</a>
<i>php-LightweightPicasaAPI</i>	new	3.3	<a href="http://cameronhinkle.com/">http://cameronhinkle.com/</a>
<i>php-Smarty</i>	2.6.20	2.6.26	<a href="http://www.smarty.net">http://www.smarty.net</a>
<i>php-ZendFramework</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Auth-Adapter-Ldap</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Cache-Backend-Apc</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Cache-Backend-Memcached</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Captcha</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Db-Adapter-Mysqli</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Dojo</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Feed</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Gdata</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Ldap</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Pdf</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Search-Lucene</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Services</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-Soap</i>	new	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-demos</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-ZendFramework-extras</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>

组件	老版本	新版本	上游URL
<i>php-ZendFramework-tests</i>	1.7.7	1.8.4	<a href="http://framework.zend.com/">http://framework.zend.com/</a>
<i>php-adodb</i>	4.95	5.09a	<a href="http://adodb.sf.net">http://adodb.sf.net</a>
<i>php-devel</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-ezc-Archive</i>	new	1.3.4	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Authentication</i>	new	1.3.1	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-AuthenticationDatabaseTiein</i>	new	1.1	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Base</i>	1.6.1	1.7	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Cache</i>	new	1.4.1	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Configuration</i>	new	1.3.4	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-ConsoleTools</i>	1.5	1.5.2	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Database</i>	new	1.4.6	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-EventLog</i>	new	1.4	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Feed</i>	new	1.2.1	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-File</i>	new	1.2	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Mail</i>	new	1.6.3	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-PersistentObject</i>	new	1.6	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-SystemInformation</i>	new	1.0.8	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Template</i>	new	1.4.1	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-ezc-Webdav</i>	new	1.1.2	<a href="http://ezcomponents.org/">http://ezcomponents.org/</a>
<i>php-feedcreator</i>	new	1.7.2	<a href="http://www.bitfolge.de/rsscreator-en.html">http://www.bitfolge.de/rsscreator-en.html</a>
<i>php-geshi</i>	new	1.0.8.3	<a href="http://qbnz.com/highlighter/">http://qbnz.com/highlighter/</a>
<i>php-getid3</i>	new	2.0.0b5	<a href="http://getid3.sourceforge.net/">http://getid3.sourceforge.net/</a>



组件	老版本	新版本	上游URL
<i>php-libpuzzle</i>	new	0.11	<a href="http://libpuzzle.pureftpd.org/project/libpuzzle">http://libpuzzle.pureftpd.org/project/libpuzzle</a>
<i>php-pear-Auth-SASL</i>	1.0.2	1.0.3	<a href="http://pear.php.net/package/Auth_SASL">http://pear.php.net/package/Auth_SASL</a>
<i>php-pear-Auth_HTTP</i>	new	2.1.6	<a href="http://pear.php.net/package/Auth_HTTP">http://pear.php.net/package/Auth_HTTP</a>
<i>php-pear-Cache-Lite</i>	1.7.7	1.7.8	<a href="http://pear.php.net/package/Cache_Lite">http://pear.php.net/package/Cache_Lite</a>
<i>php-pear-DB-DataObject</i>	1.8.8	1.8.12	<a href="http://pear.php.net/package/DB_DataObject">http://pear.php.net/package/DB_DataObject</a>
<i>php-pear-Date-Holidays</i>	0.20.1	0.21.4	<a href="http://pear.php.net/package/Date_Holidays">http://pear.php.net/package/Date_Holidays</a>
<i>php-pear-Event-Dispatcher</i>	1.0.0	1.1.0	<a href="http://pear.php.net/package/Event_Dispatcher">http://pear.php.net/package/Event_Dispatcher</a>
<i>php-pear-File-Bittorrent2</i>	new	1.3.1	<a href="http://pear.php.net/package/File_Bittorrent2">http://pear.php.net/package/File_Bittorrent2</a>
<i>php-pear-HTML-QuickForm</i>	3.2.10	3.2.11	<a href="http://pear.php.net/package/HTML_QuickForm">http://pear.php.net/package/HTML_QuickForm</a>
<i>php-pear-HTML_Javascript</i>	new	1.1.1	<a href="http://pear.php.net/package/HTML_Javascript">http://pear.php.net/package/HTML_Javascript</a>
<i>php-pear-HTML_Template_PHPLIB</i>	new	1.4.0	<a href="http://pear.php.net/package/HTML_Template_PHPLIB">http://pear.php.net/package/HTML_Template_PHPLIB</a>
<i>php-pear-HTTP-Request</i>	1.4.3	1.4.4	<a href="http://pear.php.net/package/HTTP_Request">http://pear.php.net/package/HTTP_Request</a>
<i>php-pear-Image-Canvas</i>	0.3.1	0.3.2	<a href="http://pear.php.net/package/Image_Canvas">http://pear.php.net/package/Image_Canvas</a>
<i>php-pear-Image-Color</i>	1.0.2	1.0.3	<a href="http://pear.php.net/package/Image_Color">http://pear.php.net/package/Image_Color</a>
<i>php-pear-Log</i>	1.11.4	1.11.5	<a href="http://pear.php.net/package/Log">http://pear.php.net/package/Log</a>
<i>php-pear-Net-DNS</i>	1.0.0	1.0.1	<a href="http://pear.php.net/package/Net_DNS">http://pear.php.net/package/Net_DNS</a>

组件	老版本	新版本	上游URL
<i>php-pear-Net-SMTP</i>	1.3.2	1.3.3	<a href="http://pear.php.net/package/Net_SMTP">http://pear.php.net/package/Net_SMTP</a>
<i>php-pear-Net-Sieve</i>	1.1.6	1.1.7	<a href="http://pear.php.net/package/Net_Sieve">http://pear.php.net/package/Net_Sieve</a>
<i>php-pear-PHPUnit</i>	3.3.4	3.3.17	<a href="http://www.phpunit.de">http://www.phpunit.de</a>
<i>php-pear-Pager</i>	2.4.7	2.4.8	<a href="http://pear.php.net/package/Pager">http://pear.php.net/package/Pager</a>
<i>php-pear-PhpDocumentor</i>	1.4.2	1.4.3	<a href="http://www.phpdoc.org/">http://www.phpdoc.org/</a>

表 39. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>php-pear-Text-Diff</i>	new	1.1.0	<a href="http://pear.php.net/package/Text_Diff">http://pear.php.net/package/Text_Diff</a>
<i>php-pear-Validate</i>	0.8.1	0.8.2	<a href="http://pear.php.net/package/Validate">http://pear.php.net/package/Validate</a>
<i>php-pecl-parsekit</i>	new	1.2	<a href="http://pecl.php.net/package/parsekit">http://pecl.php.net/package/parsekit</a>
<i>php-phpSmug</i>	new	2.0.2	<a href="http://phpsmug.com">http://phpsmug.com</a>
<i>php-simplepie</i>	new	1.1.3	<a href="http://simplepie.org/">http://simplepie.org/</a>
<i>phpFlickr</i>	new	2.3.0.1	<a href="http://phpflickr.com/">http://phpflickr.com/</a>
<i>physfs-devel</i>	1.0.1	1.0.2	<a href="http://www.icculus.org/physfs/">http://www.icculus.org/physfs/</a>
<i>picviz-devel</i>	0.5	0.6	<a href="http://www.wallinfire.net/picviz">http://www.wallinfire.net/picviz</a>
<i>pidgin-devel</i>	2.5.5	2.6.3	<a href="http://pidgin.im/">http://pidgin.im/</a>
<i>pigment-devel</i>	0.3.16	0.3.17	<a href="https://code.fluendo.com/pigment/trac/">https://code.fluendo.com/pigment/trac/</a>
<i>pilot-link-devel</i>	0.12.3	0.12.4	<a href="http://www.pilot-link.org/">http://www.pilot-link.org/</a>
<i>pixman-devel</i>	0.14.0	0.16.2	<a href="http://cgit.freedesktop.org/pixman/">http://cgit.freedesktop.org/pixman/</a>
<i>pkcs11-helper</i>	new	1.07	<a href="http://www.opensc-project.org/pkcs11-helper/">http://www.opensc-project.org/pkcs11-helper/</a>
<i>pkcs11-helper-devel</i>	new	1.07	<a href="http://www.opensc-project.org/pkcs11-helper/">http://www.opensc-project.org/pkcs11-helper/</a>
<i>planner-devel</i>	0.14.3	0.14.4	<a href="http://live.gnome.org/Planner">http://live.gnome.org/Planner</a>

组件	老版本	新版本	上游URL
<i>plexus-classworlds</i>	new	1.2	<a href="http://plexus.codehaus.org/">http:// plexus.codehaus.org/</a>
<i>plexus-cli</i>	new	1.2	<a href="http://plexus.codehaus.org/">http:// plexus.codehaus.org/</a>
<i>plexus-containers</i>	new	1.0	<a href="http://plexus.codehaus.org/">http:// plexus.codehaus.org/</a>
<i>plexus-digest</i>	new	1.0	<a href="http://plexus.codehaus.org/">http:// plexus.codehaus.org/</a>
<i>plexus-utils</i>	1.2	1.4.5	<a href="http://plexus.codehaus.org/">http:// plexus.codehaus.org/</a>
<i>pplot-ada</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-ada-devel</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-devel</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-java</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-java-devel</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-libs</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-lua</i>	new	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-ocaml</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-ocaml-devel</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-octave</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-perl</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-tk</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-tk-devel</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-wxGTK</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>
<i>pplot-wxGTK-devel</i>	5.9.2	5.9.5	<a href="http://pplot.sourceforge.net/">http:// pplot.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>plymouth-devel</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-libs</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>podofu-devel</i>	new	0.7.0	<a href="http://podofu.sourceforge.net">http://podofu.sourceforge.net</a>
<i>poker-engine</i>	1.3.2	1.3.4	<a href="http://pokersource.org/poker-engine">http://pokersource.org/poker-engine</a>
<i>poker-engine-devel</i>	1.3.2	1.3.4	<a href="http://pokersource.org/poker-engine">http://pokersource.org/poker-engine</a>
<i>poker-eval</i>	135.0	136.0	<a href="http://pokersource.org/poker-eval">http://pokersource.org/poker-eval</a>
<i>poker-eval-devel</i>	135.0	136.0	<a href="http://pokersource.org/poker-eval">http://pokersource.org/poker-eval</a>
<i>polkit-desktop-policy</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>polkit-devel</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>polkit-docs</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>polkit-gnome-devel</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>polkit-gnome-docs</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>poppler</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>poppler-data</i>	new	0.3.0	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>poppler-devel</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>poppler-glib</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>poppler-glib-devel</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>poppler-qt-devel</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>

组件	老版本	新版本	上游URL
<i>poppler-qt4-devel</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>postgresql-devel</i>	8.3.7	8.4.1	<a href="http://www.postgresql.org/">http://www.postgresql.org/</a>
<i>postgresql-pgpool-II-devel</i>	2.2	2.2.5	<a href="http://pgpool.projects.PostgreSQL.org">http://pgpool.projects.PostgreSQL.org</a>
<i>powwow-devel</i>	new	1.2.16	<a href="http://hoopajoo.net/projects/powwow.html">http://hoopajoo.net/projects/powwow.html</a>
<i>ppl</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-devel</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-gprolog</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-gprolog-static</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-java</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-pwl</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-pwl-devel</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-pwl-static</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-static</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-swiprolog</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-swiprolog-static</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-utils</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-yap</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>prelude-lml-devel</i>	0.9.14	0.9.15	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>prelude-manager-devel</i>	0.9.14.2	0.9.15	<a href="http://www.prelude-ids.org">http://www.prelude-ids.org</a>
<i>protobuf</i>	2.0.2	2.2.0	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>
<i>protobuf-compiler</i>	2.0.2	2.2.0	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>

组件	老版本	新版本	上游URL
<i>protobuf-devel</i>	2.0.2	2.2.0	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>
<i>protobuf-static</i>	2.0.2	2.2.0	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>
<i>protobuf-vim</i>	2.0.2	2.2.0	<a href="http://code.google.com/p/protobuf/">http://code.google.com/p/protobuf/</a>
<i>ptlib-devel</i>	2.6.1	2.6.5	<a href="http://www.opalvoip.org/">http://www.opalvoip.org/</a>
<i>publican-fedora</i>	0.18	1.0	<a href="https://publican.fedorahosted.org/">https://publican.fedorahosted.org/</a>
<i>pulseaudio-libs-devel</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pyOpenSSL</i>	0.7	0.9	<a href="http://pyopenssl.sourceforge.net/">http://pyopenssl.sourceforge.net/</a>
<i>pyabiword-devel</i>	0.6.3	0.8.0	<a href="http://abisource.com/downloads/pyabiword/0.8.0/pyabiword-0.8.0.tar.gz">http://abisource.com/downloads/pyabiword/0.8.0/pyabiword-0.8.0.tar.gz</a>
<i>pycairo-devel</i>	1.8.2	1.8.6	<a href="http://cairographics.org/pycairo">http://cairographics.org/pycairo</a>
<i>pycdio</i>	new	0.15	<a href="http://www.gnu.org/software/libcdio/">http://www.gnu.org/software/libcdio/</a>
<i>pyclutter-devel</i>	0.8.2	0.9.2	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>
<i>pygsl</i>	0.9.3	0.9.4	<a href="http://pygsl.sourceforge.net">http://pygsl.sourceforge.net</a>
<i>pygsl-devel</i>	0.9.3	0.9.4	<a href="http://pygsl.sourceforge.net">http://pygsl.sourceforge.net</a>
<i>pypar</i>	new	2.1.0_66	<a href="http://sourceforge.net/projects/pypar">http://sourceforge.net/projects/pypar</a>
<i>pypoker-eval</i>	136.0	137.0	<a href="http://pokersource.org/pypoker-eval">http://pokersource.org/pypoker-eval</a>
<i>pypoker-eval-devel</i>	136.0	137.0	<a href="http://pokersource.org/pypoker-eval">http://pokersource.org/pypoker-eval</a>
<i>pyserial</i>	2.2	2.4	<a href="http://pyserial.sourceforge.net">http://pyserial.sourceforge.net</a>
<i>pysnmp</i>	2.0.9	4.1.11	<a href="http://pysnmp.sourceforge.net/">http://pysnmp.sourceforge.net/</a>
<i>python-AppTools</i>	new	3.2.0	<a href="http://pypi.python.org/pypi/AppTools/">http://pypi.python.org/pypi/AppTools/</a>
<i>python-EnthoughtBase</i>	new	3.0.2	<a href="http://pypi.python.org/pypi/EnthoughtBase/3.0.2">http://pypi.python.org/pypi/EnthoughtBase/3.0.2</a>

组件	老版本	新版本	上游URL
<i>python-EnvisageCore</i>	new	3.1.0	<a href="http://pypi.python.org/pypi/EnvisageCore">http://pypi.python.org/pypi/EnvisageCore</a>
<i>python-EnvisagePlugins</i>	new	3.1.0	<a href="http://pypi.python.org/pypi/EnvisagePlugins">http://pypi.python.org/pypi/EnvisagePlugins</a>
<i>python-Lightbox</i>	new	2.1	<a href="http://pypi.python.org/pypi/Lightbox/2.1">http://pypi.python.org/pypi/Lightbox/2.1</a>
<i>python-Scriptaculous</i>	new	1.8.2	<a href="http://pypi.python.org/pypi/Scriptaculous/2.1">http://pypi.python.org/pypi/Scriptaculous/2.1</a>
<i>python-TraitsGUI</i>	new	3.0.4	<a href="http://pypi.python.org/pypi/TraitsGUI">http://pypi.python.org/pypi/TraitsGUI</a>
<i>python-TurboMail</i>	2.1	3.0	<a href="http://www.python-turbomail.org">http://www.python-turbomail.org</a>
<i>python-biopython</i>	1.49	1.52	<a href="http://www.biopython.org/">http://www.biopython.org/</a>
<i>python-cheetah</i>	2.0.1	2.2.2	<a href="http://cheetahtemplate.org/">http://cheetahtemplate.org/</a>
<i>python-cherrypy</i>	3.1.1	3.1.2	<a href="http://www.cherrypy.org/">http://www.cherrypy.org/</a>
<i>python-cryptsetup</i>	0.0.9	0.0.10	<a href="http://git.fedorahosted.org/git/?p=python-cryptsetup.git">http://git.fedorahosted.org/git/?p=python-cryptsetup.git</a>
<i>python-devel</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>
<i>python-distutils-extra</i>	1.91.2	2.6	<a href="https://launchpad.net/python-distutils-extra">https://launchpad.net/python-distutils-extra</a>
<i>python-exo</i>	0.3.101	0.3.104	<a href="http://xfce.org/">http://xfce.org/</a>
<i>python-flup</i>	1.0	1.0.2	<a href="http://trac.saddi.com/flup">http://trac.saddi.com/flup</a>
<i>python-formencode</i>	1.2	1.2.2	<a href="http://formencode.org/">http://formencode.org/</a>
<i>python-gasp</i>	0.2.0beta1	0.3.2	<a href="http://launchpad.net/gasp-core">http://launchpad.net/gasp-core</a>
<i>python-inotify</i>	0.8.1	0.8.6	<a href="http://trac.dbzteam.org/pyinotify">http://trac.dbzteam.org/pyinotify</a>
<i>python-inotify-examples</i>	0.8.1	0.8.6	<a href="http://trac.dbzteam.org/pyinotify">http://trac.dbzteam.org/pyinotify</a>
<i>python-kinterbasdb</i>	new	3.3.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>python-kiwi</i>	1.9.23	1.9.25	<a href="http://www.async.com.br/projects/kiwi/">http://www.async.com.br/projects/kiwi/</a>

组件	老版本	新版本	上游URL
<i>python-kiwi-gazpacho</i>	1.9.23	1.9.25	<a href="http://www.async.com.br/projects/kiwi/">http://www.async.com.br/projects/kiwi/</a>
<i>python-libguestfs</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>python-logilab-common</i>	0.38.0	0.45.0	<a href="http://www.logilab.org/projects/common">http://www.logilab.org/projects/common</a>
<i>python-lxml</i>	2.2	2.2.3	<a href="http://codespeak.net/lxml/">http://codespeak.net/lxml/</a>
<i>python-netaddr</i>	0.6.2	0.7.2	<a href="http://code.google.com/p/netaddr/">http://code.google.com/p/netaddr/</a>
<i>python-paramiko</i>	1.7.4	1.7.5	<a href="http://www.lag.net/paramiko/">http://www.lag.net/paramiko/</a>
<i>python-pp</i>	1.5.6	1.5.7	<a href="http://www.parallelpython.com/">http://www.parallelpython.com/</a>
<i>python-pygments</i>	1.0	1.1.1	<a href="http://pygments.org/">http://pygments.org/</a>
<i>python-rapi</i>	0.13.1	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>python-rra</i>	0.13	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>python-simpletal</i>	4.1	4.2	<a href="http://www.owlfish.com/software/simpleTAL/index.html">http://www.owlfish.com/software/simpleTAL/index.html</a>
<i>python-sippy</i>	new	1.0.1	<a href="http://b2bua.org/">http://b2bua.org/</a>
<i>python-sqlalchemy</i>	0.5.2	0.5.5	<a href="http://www.sqlalchemy.org/">http://www.sqlalchemy.org/</a>
<i>python-storm-django</i>	new	0.15	<a href="https://storm.canonical.com/">https://storm.canonical.com/</a>
<i>python-storm-mysql</i>	0.14	0.15	<a href="https://storm.canonical.com/">https://storm.canonical.com/</a>
<i>python-storm-postgresql</i>	0.14	0.15	<a href="https://storm.canonical.com/">https://storm.canonical.com/</a>
<i>python-storm-zope</i>	new	0.15	<a href="https://storm.canonical.com/">https://storm.canonical.com/</a>
<i>python-suds</i>	0.3.5	0.3.6	<a href="https://fedorahosted.org/suds">https://fedorahosted.org/suds</a>
<i>python-urlgrabber</i>	3.0.0	3.9.1	<a href="http://urlgrabber.baseurl.org/">http://urlgrabber.baseurl.org/</a>
<i>python-virtinst</i>	0.400.3	0.500.0	<a href="http://virt-manager.org">http://virt-manager.org</a>
<i>python-webpy</i>	new	0.32	<a href="http://webpy.org/">http://webpy.org/</a>
<i>python-werkzeug</i>	new	0.5.1	<a href="http://werkzeug.pocoo.org/">http://werkzeug.pocoo.org/</a>
<i>python-zope-interface</i>	3.5.1	3.5.2	<a href="http://pypi.python.org/pypi/zope.interface">http://pypi.python.org/pypi/zope.interface</a>



组件	老版本	新版本	上游URL
<i>pywbem</i>	new	0.7.0	<a href="http://pywbem.sourceforge.net">http://pywbem.sourceforge.net</a>
<i>pyxdg</i>	0.16	0.17	<a href="http://freedesktop.org/Software/pyxdg">http://freedesktop.org/Software/pyxdg</a>
<i>qca2-devel</i>	2.0.1	2.0.2	<a href="http://delta.affinix.com/qca">http://delta.affinix.com/qca</a>
<i>qgis-devel</i>	1.0.1	1.0.2	<a href="http://qgis.org/">http://qgis.org/</a>
<i>qmmp-devel</i>	0.2.3	0.3.0	<a href="http://qmmp.ylsoftware.com/index_en.html">http://qmmp.ylsoftware.com/index_en.html</a>
<i>qrupdate</i>	new	1.0.1	<a href="http://qrupdate.sourceforge.net/">http://qrupdate.sourceforge.net/</a>
<i>qrupdate-devel</i>	new	1.0.1	<a href="http://qrupdate.sourceforge.net/">http://qrupdate.sourceforge.net/</a>
<i>qscintilla-devel</i>	2.3.2	2.4	<a href="http://www.riverbankcomputing.com/software/qscintilla/">http://www.riverbankcomputing.com/software/qscintilla/</a>
<i>qscintilla-python</i>	2.3.2	2.4	<a href="http://www.riverbankcomputing.com/software/qscintilla/">http://www.riverbankcomputing.com/software/qscintilla/</a>
<i>qscintilla-python-devel</i>	2.3.2	2.4	<a href="http://www.riverbankcomputing.com/software/qscintilla/">http://www.riverbankcomputing.com/software/qscintilla/</a>
<i>qt-devel</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>rabbitmq-server</i>	new	1.6.0	<a href="http://www.rabbitmq.com/">http://www.rabbitmq.com/</a>
<i>rb_libtorrent-devel</i>	0.14.2	0.14.4	<a href="http://www.rasterbar.com/products/libtorrent/">http://www.rasterbar.com/products/libtorrent/</a>
<i>rcssserver-devel</i>	13.2.0	13.2.2	<a href="http://sourceforge.net/projects/sserver/">http://sourceforge.net/projects/sserver/</a>
<i>readline-devel</i>	5.2	6.0	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>
<i>readline-static</i>	5.2	6.0	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>
<i>rest-devel</i>	new	0.6.1	<a href="http://moblin.org/projects/librest">http://moblin.org/projects/librest</a>

组件	老版本	新版本	上游URL
<i>rhnlib</i>	2.5.10	2.5.13	<a href="https://fedorahosted.org/spacewalk">https:// fedorahosted.org/ spacewalk</a>
<i>rmol-devel</i>	0.19.0	0.23.0	<a href="http://rmol.sourceforge.net">http:// rmol.sourceforge.net</a>
<i>rpm-devel</i>	4.7.0	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rpm-libs</i>	4.7.0	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rpm-python</i>	4.7.0	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rpmdepsize</i>	new	1.0	<a href="http://et.redhat.com/~rjones/rpmdepsize/">http://et.redhat.com/ ~rjones/rpmdepsize/</a>
<i>rpy</i>	2.0.3	2.0.6	<a href="http://rpy.sourceforge.net">http:// rpy.sourceforge.net</a>
<i>rrdtool-devel</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/ rrdtool/</a>
<i>ruby-atk-devel</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-bonobo2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-bonoboui2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gconf2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gdkpixbuf2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-glib2-devel</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gnome2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gnomecanvas2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gnomeprint2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gnomeprintui2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gnomevfs-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-goocanvas-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gstreamer-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>
<i>ruby-gtk2-devel</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby- gnome2.sourceforge.jp/</a>

组件	老版本	新版本	上游URL
<i>ruby-gtkglext-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtkhtml2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtkmozembed-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtksourceview-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtksourceview2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-libart2-devel</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-libglade2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-libguestfs</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>ruby-libs</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby-lang.org/</a>
<i>ruby-openbabel</i>	2.2.1	2.2.3	<a href="http://openbabel.org/">http://openbabel.org/</a>
<i>ruby-openid</i>	2.1.4	2.1.7	<a href="http://openidenabled.com/ruby-openid/">http://openidenabled.com/ruby-openid/</a>
<i>ruby-openwsman</i>	2.1.0	2.2.0	<a href="http://www.openwsman.org/">http://www.openwsman.org/</a>
<i>ruby-panelapplet2-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-pango-devel</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-poppler-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-rsvg-devel</i>	new	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>rubygems</i>	1.3.1	1.3.5	<a href="http://rubyforge.org/projects/rubygems/">http://rubyforge.org/projects/rubygems/</a>
<i>rygel-devel</i>	new	0.4.2	<a href="http://live.gnome.org/Rygel">http://live.gnome.org/Rygel</a>
<i>sane-backends-devel</i>	1.0.19	1.0.20	<a href="http://www.sane-project.org">http://www.sane-project.org</a>
<i>sat4j</i>	2.0.3	2.1.0	<a href="http://www.sat4j.org/">http://www.sat4j.org/</a>
<i>saxpath</i>	new	1.0	<a href="http://sourceforge.net/projects/saxpath/">http://sourceforge.net/projects/saxpath/</a>
<i>sblim-cmpi-base-devel</i>	1.5.7	1.5.9	<a href="http://sblim.wiki.sourceforge.net/">http://sblim.wiki.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>sblim-cmpi-devel</i>	1.0.5	2.0.0	<a href="http://sblim.wiki.sourceforge.net/">http://sblim.wiki.sourceforge.net/</a>
<i>sblim-indication_helper</i>	new	0.4.2	<a href="http://sblim.wiki.sourceforge.net/">http://sblim.wiki.sourceforge.net/</a>
<i>sblim-indication_helper-devel</i>	new	0.4.2	<a href="http://sblim.wiki.sourceforge.net/">http://sblim.wiki.sourceforge.net/</a>
<i>scalapack-common</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>scalapack-lam</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>scalapack-lam-devel</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>scalapack-mpich2</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>scalapack-mpich2-devel</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>scalapack-openmpi</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>scalapack-openmpi-devel</i>	new	1.7.5	<a href="http://www.netlib.org/lapack-dev/">http://www.netlib.org/lapack-dev/</a>
<i>schroedinger-devel</i>	1.0.6	1.0.7	<a href="http://www.diracvideo.org/">http://www.diracvideo.org/</a>
<i>scim-devel</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scribus-devel</i>	1.3.5	1.3.5.1	<a href="http://www.scribus.net/">http://www.scribus.net/</a>
<i>seahorse-devel</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/seahorse/">http://projects.gnome.org/seahorse/</a>
<i>setools-devel</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>sg3_utils-devel</i>	1.26	1.27	<a href="http://sg.danny.cz/sg/sg3_utils.html">http://sg.danny.cz/sg/sg3_utils.html</a>
<i>simspark</i>	0.1	0.1.2	<a href="http://simspark.sourceforge.net">http://simspark.sourceforge.net</a>
<i>simspark-devel</i>	0.1	0.1.2	<a href="http://simspark.sourceforge.net">http://simspark.sourceforge.net</a>
<i>sip-devel</i>	4.7.9	4.8.2	<a href="http://www.riverbankcomputing.com/software/sip/intro">http://www.riverbankcomputing.com/software/sip/intro</a>
<i>sipwitch-devel</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>

组件	老版本	新版本	上游URL
<i>sipwitch-runtime</i>	new	0.5.7	<a href="http://www.gnu.org/software/sipwitch">http://www.gnu.org/software/sipwitch</a>

表 40. All Development-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>slang-devel</i>	2.1.4	2.2.1	<a href="http://www.jedsoft.org/slang/">http://www.jedsoft.org/slang/</a>
<i>slang-static</i>	2.1.4	2.2.1	<a href="http://www.jedsoft.org/slang/">http://www.jedsoft.org/slang/</a>
<i>slimdata</i>	new	2.6.3	<a href="http://slimdata.sourceforge.net/">http://slimdata.sourceforge.net/</a>
<i>slimdata-devel</i>	new	2.6.3	<a href="http://slimdata.sourceforge.net/">http://slimdata.sourceforge.net/</a>
<i>slv2-devel</i>	0.6.2	0.6.6	<a href="http://drobilla.net/software/slv2/">http://drobilla.net/software/slv2/</a>
<i>soci-devel</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>soci-mysql-devel</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>soci-postgresql-devel</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>soprano-devel</i>	2.2.3	2.3.1	<a href="http://sourceforge.net/projects/soprano">http://sourceforge.net/projects/soprano</a>
<i>soundmodem-devel</i>	0.12	0.14	<a href="http://www.baycom.org/~tom/ham/soundmodem/">http://www.baycom.org/~tom/ham/soundmodem/</a>
<i>spandsp-apidoc</i>	0.0.5	0.0.6	<a href="http://www.soft-switch.org/">http://www.soft-switch.org/</a>
<i>spandsp-devel</i>	0.0.5	0.0.6	<a href="http://www.soft-switch.org/">http://www.soft-switch.org/</a>
<i>sparse-devel</i>	0.4.1	0.4.2	<a href="http://www.kernel.org/pub/software/devel/sparse/">http://www.kernel.org/pub/software/devel/sparse/</a>
<i>speech-dispatcher-devel</i>	0.6.6	0.6.7	<a href="http://www.freebsoft.org/pub/projects/speechd/">http://www.freebsoft.org/pub/projects/speechd/</a>
<i>speech-dispatcher-python</i>	0.6.6	0.6.7	<a href="http://www.freebsoft.org/pub/projects/speechd/">http://www.freebsoft.org/pub/projects/speechd/</a>
<i>sphinxbase</i>	new	0.4.1	<a href="http://www.cmusphinx.org">http://www.cmusphinx.org</a>
<i>sphinxbase-devel</i>	new	0.4.1	<a href="http://www.cmusphinx.org">http://www.cmusphinx.org</a>

组件	老版本	新版本	上游URL
<i>sphinxbase-libs</i>	new	0.4.1	<a href="http://www.cmusphinx.org/">http://www.cmusphinx.org/</a>
<i>sphinxbase-python</i>	new	0.4.1	<a href="http://www.cmusphinx.org/">http://www.cmusphinx.org/</a>
<i>spr</i>	07.15.00	3.3.2	<a href="http://www.hep.caltech.edu/~narsky/spr.html">http://www.hep.caltech.edu/~narsky/spr.html</a>
<i>spr-devel</i>	07.15.00	3.3.2	<a href="http://www.hep.caltech.edu/~narsky/spr.html">http://www.hep.caltech.edu/~narsky/spr.html</a>
<i>sqlite-devel</i>	3.6.12	3.6.17	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<i>sqlsh</i>	new	1.14	<a href="http://search.cpan.org/dist/SQL-Shell">http://search.cpan.org/dist/SQL-Shell</a>
<i>squirrel-devel</i>	2.2.2	2.2.3	<a href="http://squirrel-lang.org/">http://squirrel-lang.org/</a>
<i>ssm-devel</i>	0.1	1.0	<a href="http://www.bioxray.au.dk/~mok/ssm">http://www.bioxray.au.dk/~mok/ssm</a>
<i>startup-notification-devel</i>	0.9	0.10	<a href="http://www.freedesktop.org/software/startup-notification/">http://www.freedesktop.org/software/startup-notification/</a>
<i>strigi-devel</i>	0.6.4	0.7.0	<a href="http://www.vandenoever.info/software/strigi/">http://www.vandenoever.info/software/strigi/</a>
<i>strigi-libs</i>	0.6.4	0.7.0	<a href="http://www.vandenoever.info/software/strigi/">http://www.vandenoever.info/software/strigi/</a>
<i>stxxl</i>	new	1.2.1	<a href="http://stxxl.sourceforge.net">http://stxxl.sourceforge.net</a>
<i>stxxl-devel</i>	new	1.2.1	<a href="http://stxxl.sourceforge.net">http://stxxl.sourceforge.net</a>
<i>sublib-devel</i>	0.9	dropped	<a href="http://sublib.sourceforge.net/">http://sublib.sourceforge.net/</a>
<i>subversion-javahl</i>	1.6.1	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>subversion-perl</i>	1.6.1	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>subversion-ruby</i>	1.6.1	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>sugar-datastore</i>	0.84.0	0.86.1	<a href="http://sugarlabs.org/">http://sugarlabs.org/</a>
<i>sugar-emulator</i>	0.84.5	0.86.3	<a href="http://sugarlabs.org/">http://sugarlabs.org/</a>

组件	老版本	新版本	上游URL
<i>suitesparse-devel</i>	3.2.0	3.4.0	<a href="http://www.cise.ufl.edu/research/sparse/SuiteSparse">http://www.cise.ufl.edu/research/sparse/SuiteSparse</a>
<i>suitesparse-static</i>	3.2.0	3.4.0	<a href="http://www.cise.ufl.edu/research/sparse/SuiteSparse">http://www.cise.ufl.edu/research/sparse/SuiteSparse</a>
<i>svncpp</i>	0.9.6	0.10.0	<a href="http://www.rapidsvn.org/">http://www.rapidsvn.org/</a>
<i>svncpp-devel</i>	0.9.6	0.10.0	<a href="http://www.rapidsvn.org/">http://www.rapidsvn.org/</a>
<i>sword-devel</i>	1.5.11	1.6.0	<a href="http://www.crosswire.org/sword/">http://www.crosswire.org/sword/</a>
<i>sylpheed-devel</i>	new	2.7.1	<a href="http://sylpheed.sraoss.jp/">http://sylpheed.sraoss.jp/</a>
<i>syncevolution-devel</i>	new	0.9	<a href="http://syncevolution.org/">http://syncevolution.org/</a>
<i>synopsis-devel</i>	0.11	0.12	<a href="http://synopsis.fresco.org">http://synopsis.fresco.org</a>
<i>tabled-devel</i>	new	0.3	<a href="http://hail.wiki.kernel.org/">http://hail.wiki.kernel.org/</a>
<i>taglib-devel</i>	1.5	1.6	<a href="http://developer.kde.org/~wheeler/taglib.html">http://developer.kde.org/~wheeler/taglib.html</a>
<i>taglib-extras-devel</i>	0.1.2	1.0.1	<a href="http://websvn.kde.org/trunk/kdesupport/taglib-extras/">http://websvn.kde.org/trunk/kdesupport/taglib-extras/</a>
<i>tcl-trf-devel</i>	2.1.3	2.1.4	<a href="http://tcltrf.sourceforge.net">http://tcltrf.sourceforge.net</a>
<i>tdb-tools</i>	1.1.3	1.1.5	<a href="http://tdb.samba.org/">http://tdb.samba.org/</a>
<i>telepathy-farsight-devel</i>	0.0.6	0.0.12	<a href="http://telepathy.freedesktop.org/wiki/">http://telepathy.freedesktop.org/wiki/</a>
<i>telepathy-farsight-python</i>	0.0.6	0.0.12	<a href="http://telepathy.freedesktop.org/wiki/">http://telepathy.freedesktop.org/wiki/</a>
<i>telepathy-glib-devel</i>	0.7.29	0.9.0	<a href="http://telepathy.freedesktop.org/wiki/FrontPage">http://telepathy.freedesktop.org/wiki/FrontPage</a>
<i>telepathy-mission-control-devel</i>	4.67	5.2.5	<a href="http://telepathy.freedesktop.org/wiki/Mission_Control">http://telepathy.freedesktop.org/wiki/Mission_Control</a>

组件	老版本	新版本	上游URL
<i>tesseract-devel</i>	2.03	2.04	<a href="http://code.google.com/p/tesseract-ocr/">http://code.google.com/p/tesseract-ocr/</a>
<i>tn5250-devel</i>	0.17.3	0.17.4	<a href="http://tn5250.sourceforge.net/">http://tn5250.sourceforge.net/</a>
<i>tokyocabinet</i>	1.4.9	1.4.33	<a href="http://tokyocabinet.sourceforge.net/">http://tokyocabinet.sourceforge.net/</a>
<i>tokyocabinet-devel</i>	1.4.9	1.4.33	<a href="http://tokyocabinet.sourceforge.net/">http://tokyocabinet.sourceforge.net/</a>
<i>tokyotyran-devel</i>	new	1.1.34	<a href="http://1978th.net/tokyotyran/">http://1978th.net/tokyotyran/</a>
<i>tomboy-devel</i>	0.14.1	1.0.0	<a href="http://projects.gnome.org/tomboy/">http://projects.gnome.org/tomboy/</a>
<i>toot2</i>	new	3	<a href="http://toot.org.uk/index.html">http://toot.org.uk/index.html</a>
<i>tootaudioservers</i>	new	3	<a href="http://code.google.com/p/tootaudioservers/">http://code.google.com/p/tootaudioservers/</a>
<i>totem-devel</i>	2.26.2	2.28.2	<a href="http://projects.gnome.org/totem/">http://projects.gnome.org/totem/</a>
<i>totem-pl-parser-devel</i>	2.26.2	2.28.1	<a href="http://www.gnome.org/projects/totem/">http://www.gnome.org/projects/totem/</a>
<i>tpm-tools-devel</i>	1.3.1	1.3.3	<a href="http://trousers.sourceforge.net">http://trousers.sourceforge.net</a>
<i>tracker-devel</i>	0.6.94	0.6.95	<a href="http://projects.gnome.org/tracker/">http://projects.gnome.org/tracker/</a>
<i>tre-devel</i>	0.7.5	0.7.6	<a href="http://laurikari.net/tre/">http://laurikari.net/tre/</a>
<i>tslib-devel</i>	new	1.0	<a href="http://tslib.berlios.de/">http://tslib.berlios.de/</a>
<i>twitter-glib-devel</i>	new	0.9.8	<a href="http://live.gnome.org/TwitterGlib">http://live.gnome.org/TwitterGlib</a>
<i>uClibc-devel</i>	new	0.9.30.1	<a href="http://www.uclibc.org/">http://www.uclibc.org/</a>
<i>ucommon-devel</i>	new	2.0.5	<a href="http://www.gnu.org/software/commoncpp">http://www.gnu.org/software/commoncpp</a>
<i>uim-devel</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>unbound-devel</i>	1.2.1	1.3.4	<a href="http://www.nlnetlabs.nl/unbound/">http://www.nlnetlabs.nl/unbound/</a>
<i>unique-devel</i>	1.0.4	1.1.2	<a href="http://www.gnome.org/~ebassi/source/">http://www.gnome.org/~ebassi/source/</a>
<i>unshield-devel</i>	0.5.1	0.6	<a href="http://synce.sourceforge.net/">http://synce.sourceforge.net/</a>



组件	老版本	新版本	上游URL
<i>unuran-devel</i>	1.3.1	1.4.1	<a href="http://statistik.wu-wien.ac.at/unuran">http://statistik.wu-wien.ac.at/unuran</a>
<i>usbmuxd-devel</i>	new	0.1.4	<a href="http://cgit.pims.selfip.net/usbmuxd/">http://cgit.pims.selfip.net/usbmuxd/</a>
<i>util-vserver-devel</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>
<i>util-vserver-python</i>	new	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>
<i>vala-devel</i>	0.5.7	0.7.5	<a href="http://live.gnome.org/Vala">http://live.gnome.org/Vala</a>
<i>valide-devel</i>	new	0.5.1	<a href="http://www.valaide.org">http://www.valaide.org</a>
<i>vigra</i>	1.5.0	1.6.0	<a href="http://kogs-www.informatik.uni-hamburg.de/~koethe/vigra/">http://kogs-www.informatik.uni-hamburg.de/~koethe/vigra/</a>
<i>vigra-devel</i>	1.5.0	1.6.0	<a href="http://kogs-www.informatik.uni-hamburg.de/~koethe/vigra/">http://kogs-www.informatik.uni-hamburg.de/~koethe/vigra/</a>
<i>vinagre-devel</i>	new	2.28.1	<a href="http://projects.gnome.org/vinagre/">http://projects.gnome.org/vinagre/</a>
<i>vips-devel</i>	7.16.4	7.18.2	<a href="http://www.vips.ecs.soton.ac.uk/">http://www.vips.ecs.soton.ac.uk/</a>
<i>virt-top</i>	1.0.3	1.0.4	<a href="http://et.redhat.com/~rjones/virt-top/">http://et.redhat.com/~rjones/virt-top/</a>
<i>volume_key-devel</i>	new	0.3	<a href="https://fedorahosted.org/volume_key/">https://fedorahosted.org/volume_key/</a>
<i>vte-devel</i>	0.20.1	0.22.2	n/a
<i>vtk-devel</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>vtkdata</i>	5.2.1	5.4.2	<a href="http://www.vtk.org/">http://www.vtk.org/</a>
<i>wavpack-devel</i>	4.50.1	4.60	<a href="http://www.wavpack.com/">http://www.wavpack.com/</a>
<i>webkitgtk</i>	1.1.4	1.1.15.3	<a href="http://www.webkitgtk.org/">http://www.webkitgtk.org/</a>
<i>webkitgtk-devel</i>	1.1.4	1.1.15.3	<a href="http://www.webkitgtk.org/">http://www.webkitgtk.org/</a>
<i>wordnet-devel</i>	new	3.0	<a href="http://wordnet.princeton.edu">http://wordnet.princeton.edu</a>

组件	老版本	新版本	上游URL
<i>xapian-bindings-python</i>	1.0.11	1.0.16	<a href="http://www.xapian.org/">http://www.xapian.org/</a>
<i>xapian-bindings-ruby</i>	1.0.11	1.0.16	<a href="http://www.xapian.org/">http://www.xapian.org/</a>
<i>xapian-core-devel</i>	1.0.11	1.0.16	<a href="http://www.xapian.org/">http://www.xapian.org/</a>
<i>xbase-devel</i>	2.0.0	3.1.2	<a href="http://linux.techass.com/projects/xdb/">http://linux.techass.com/projects/xdb/</a>
<i>xblas-devel</i>	new	1.0.248	<a href="http://www.netlib.org/xblas">http://www.netlib.org/xblas</a>
<i>xcb-proto</i>	1.4	1.5	<a href="http://xcb.freedesktop.org/">http://xcb.freedesktop.org/</a>
<i>xdrfile-devel</i>	new	1.1	<a href="http://oldwiki.gromacs.org/index.php/XTC_Library">http://oldwiki.gromacs.org/index.php/XTC_Library</a>
<i>xemacs-devel</i>	21.5.28	21.5.29	<a href="http://www.xemacs.org/">http://www.xemacs.org/</a>
<i>xemacs-el</i>	21.5.28	21.5.29	<a href="http://www.xemacs.org/">http://www.xemacs.org/</a>
<i>xen</i>	3.3.1	3.4.1	<a href="http://xen.org/">http://xen.org/</a>
<i>xen-devel</i>	3.3.1	3.4.1	<a href="http://xen.org/">http://xen.org/</a>
<i>xen-hypervisor</i>	3.3.1	3.4.1	<a href="http://xen.org/">http://xen.org/</a>
<i>xen-libs</i>	3.3.1	3.4.1	<a href="http://xen.org/">http://xen.org/</a>
<i>xen-runtime</i>	3.3.1	3.4.1	<a href="http://xen.org/">http://xen.org/</a>
<i>xfce4-panel-devel</i>	4.6.1	4.6.2	<a href="http://www.xfce.org/">http://www.xfce.org/</a>
<i>xfce4-session-devel</i>	4.6.0	4.6.1	<a href="http://www.xfce.org/">http://www.xfce.org/</a>
<i>xforms-devel</i>	1.0.90	1.0.92	<a href="http://xforms-toolkit.org/">http://xforms-toolkit.org/</a>
<i>xfsprogs-devel</i>	3.0.0	3.0.3	<a href="http://oss.sgi.com/projects/xfs/">http://oss.sgi.com/projects/xfs/</a>
<i>xfsprogs-qa-devel</i>	new	3.0.3	<a href="http://oss.sgi.com/projects/xfs/">http://oss.sgi.com/projects/xfs/</a>
<i>xml-security-c-devel</i>	new	1.5.1	<a href="http://santuario.apache.org/c/">http://santuario.apache.org/c/</a>
<i>xmlsec1</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmlsec1-devel</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmlsec1-gnutls</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmlsec1-gnutls-devel</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>

组件	老版本	新版本	上游URL
<i>xmlsec1-nss</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmlsec1-nss-devel</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmlsec1-openssl</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmlsec1-openssl-devel</i>	1.2.11	1.2.12	<a href="http://www.aleksey.com/xmlsec/">http://www.aleksey.com/xmlsec/</a>
<i>xmms2-devel</i>	0.5	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>
<i>xorg-x11-drv-evdev-devel</i>	2.2.1	2.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-synaptics-devel</i>	1.1.0	1.1.99	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-source</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xpa-devel</i>	2.1.8	2.1.10	<a href="http://he-www.harvard.edu/RD/xpa/">http://he-www.harvard.edu/RD/xpa/</a>
<i>xsp-devel</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>xsupplicant-devel</i>	1.2.8	2.1.8	<a href="http://www.open1x.org/">http://www.open1x.org/</a>
<i>xulrunner-devel</i>	1.9.1	1.9.1.4	<a href="http://developer.mozilla.org/En/XULRunner">http://developer.mozilla.org/En/XULRunner</a>
<i>xulrunner-devel-unstable</i>	1.9.1	1.9.1.4	<a href="http://developer.mozilla.org/En/XULRunner">http://developer.mozilla.org/En/XULRunner</a>
<i>xulrunner-python-devel</i>	1.9.1	1.9.1.4	<a href="http://developer.mozilla.org/En/XULRunner">http://developer.mozilla.org/En/XULRunner</a>
<i>xylib</i>	new	0.4	<a href="http://www.unipress.waw.pl/fityk/xylib/">http://www.unipress.waw.pl/fityk/xylib/</a>
<i>xylib-devel</i>	new	0.4	<a href="http://www.unipress.waw.pl/fityk/xylib/">http://www.unipress.waw.pl/fityk/xylib/</a>
<i>xz-devel</i>	new	4.999.9	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>

组件	老版本	新版本	上游URL
<i>xz-lzma-compat</i>	new	4.999.9	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>
<i>zbar-devel</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>
<i>zbar-gtk</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>
<i>zbar-gtk-devel</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>
<i>zbar-pygtk</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>
<i>zbar-qt</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>
<i>zbar-qt-devel</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>
<i>zfstream-devel</i>	new	20041202	<a href="http://www.wanderinghorse.net/computing/zfstream/">http://www.wanderinghorse.net/computing/zfstream/</a>
<i>zita-convolver-devel</i>	new	1.0.0	<a href="http://www.kokkinizita.net/linuxaudio/">http://www.kokkinizita.net/linuxaudio/</a>
<i>znc-devel</i>	new	0.076	<a href="http://znc.sf.net/">http://znc.sf.net/</a>
<i>znc-extra</i>	new	0.076	<a href="http://znc.sf.net/">http://znc.sf.net/</a>

表 41. All Development-Libraries changes (cont'd)

已更改软件包	1931
未更改软件包	2390
软件包总数	4321

#### 8.4.8. 开发-Python

组件	老版本	新版本	上游URL
<i>python-qpidd</i>	0.5.752600	0.5.819819	<a href="http://qpidd.apache.org">http://qpidd.apache.org</a>

表 42. 开发-Python的所有更新

已更改软件包	1
未更改软件包	0
软件包总数	1

#### 8.4.9. 开发-Ruby

组件	老版本	新版本	上游URL
<i>ruby-qpidd</i>	0.5.752600	0.5.819819	<a href="http://qpidd.apache.org/">http://qpidd.apache.org/</a>

表 43. 开发-Ruby的所有更新

已更改软件包	1
未更改软件包	0
软件包总数	1

#### 8.4.10. 开发-系统

组件	老版本	新版本	上游URL
<i>CodeAnalyst-gui</i>	2.8.38	2.8.54	<a href="http://developer.amd.com/cpu/CodeAnalyst/codeanalystlinux">http:// developer.amd.com/ cpu/CodeAnalyst/ codeanalystlinux</a>
<i>arm4</i>	0.8.1	0.8.2	<a href="http://www.arm4.org/">http://www.arm4.org/</a>
<i>blktrace</i>	1.0.0	1.0.1	<a href="http://brick.kernel.dk/snaps">http://brick.kernel.dk/ snaps</a>
<i>brlapi-devel</i>	0.5.2	0.5.4	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>brlapi-java</i>	0.5.2	0.5.4	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>classads-devel</i>	1.0.1	1.0.4	<a href="http://www.cs.wisc.edu/condor/classad/">http://www.cs.wisc.edu/ condor/classad/</a>
<i>classads-static</i>	1.0.1	1.0.4	<a href="http://www.cs.wisc.edu/condor/classad/">http://www.cs.wisc.edu/ condor/classad/</a>
<i>fontpackages-devel</i>	1.20	1.28	<a href="http://fedoraproject.org/wiki/fontpackages/">http://fedoraproject.org/ wiki/fontpackages/</a>
<i>fontpackages-filesystem</i>	1.20	1.28	<a href="http://fedoraproject.org/wiki/fontpackages/">http://fedoraproject.org/ wiki/fontpackages/</a>
<i>freeipmi-devel</i>	0.7.8	0.7.12	<a href="http://www.gnu.org/software/freeipmi/">http://www.gnu.org/ software/freeipmi/</a>
<i>gsoap-devel</i>	2.7.12	2.7.13	<a href="http://gsoap2.sourceforge.net">http:// gsoap2.sourceforge.net</a>
<i>kernel-firmware</i>	2.6.29.4	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>
<i>kernel-headers</i>	2.6.29.4	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>
<i>lm_sensors-devel</i>	3.1.0	3.1.1	<a href="http://www.lm-sensors.org/">http://www.lm- sensors.org/</a>
<i>opensm-devel</i>	3.2.1	3.3.2	<a href="http://www.openfabrics.org/">http:// www.openfabrics.org/</a>
<i>opensm-static</i>	3.2.1	3.3.2	<a href="http://www.openfabrics.org/">http:// www.openfabrics.org/</a>
<i>oprofile</i>	0.9.4	0.9.5	<a href="http://oprofile.sf.net">http://oprofile.sf.net</a>
<i>oprofile-gui</i>	0.9.4	0.9.5	<a href="http://oprofile.sf.net">http://oprofile.sf.net</a>
<i>oprofile-jit</i>	0.9.4	0.9.5	<a href="http://oprofile.sf.net">http://oprofile.sf.net</a>
<i>perf</i>	new	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>

组件	老版本	新版本	上游URL
<i>php-pear-PEAR-Command-Packaging</i>	0.1.2	0.2.0	<a href="http://pear.php.net/package/PEAR_Command_Packaging">http://pear.php.net/package/PEAR_Command_Packaging</a>
<i>python-brlapi</i>	0.5.2	0.5.4	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>qmf-devel</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidc-devel</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidd-devel</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>systemtap</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-client</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-grapher</i>	new	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-initscript</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-runtime</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-sdt-devel</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-server</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>systemtap-testsuite</i>	0.9.5	1.0	<a href="http://sourceware.org/systemtap/">http://sourceware.org/systemtap/</a>
<i>tcl-brlapi</i>	0.5.2	0.5.4	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>xorg-x11-drv-intel-devel</i>	2.7.0	2.9.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-openchrome-devel</i>	0.2.903	0.2.904	<a href="http://www.openchrome.org">http://www.openchrome.org</a>
<i>xorg-x11-util-macros</i>	1.2.1	1.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>ykclient-devel</i>	new	2.3	<a href="http://yubico-c-client.googlecode.com/">http://yubico-c-client.googlecode.com/</a>

表 44. 开发-系统的所有更新

已更改软件包	38
未更改软件包	15
软件包总数	53

### 8.4.11. 开发-工具

组件	老版本	新版本	上游URL
<i>Cython</i>	0.11	0.11.3	<a href="http://www.cython.org">http://www.cython.org</a>
<i>RasmusDSP-editor</i>	new	0.1	<a href="http://sourceforge.net/projects/rasmudsp">http://sourceforge.net/projects/rasmudsp</a>

组件	老版本	新版本	上游URL
<i>anjuta</i>	2.26.1.0	2.28.1.0	<a href="http://www.anjuta.org/">http://www.anjuta.org/</a>
<i>apr-api-docs</i>	1.3.3	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>aqute-bndlib</i>	new	0.0.363	<a href="http://www.aQute.biz/Code/Bnd">http://www.aQute.biz/Code/Bnd</a>
<i>archmage</i>	0.1.9	0.2.3	<a href="http://archmage.sourceforge.net/">http://archmage.sourceforge.net/</a>
<i>astyle</i>	1.21	1.23	<a href="http://astyle.sourceforge.net/">http://astyle.sourceforge.net/</a>
<i>auto-destdir</i>	new	1.11	<a href="http://www.dwheeler.com/auto-destdir">http://www.dwheeler.com/auto-destdir</a>
<i>autodafe</i>	new	0.1	<a href="http://autodafe.sourceforge.net/">http://autodafe.sourceforge.net/</a>
<i>automake</i>	1.10.2	1.11	<a href="http://sources.redhat.com/automake">http://sources.redhat.com/automake</a>
<i>binutils</i>	2.19.51.0.2	2.19.51.0.14	<a href="http://sources.redhat.com/binutils">http://sources.redhat.com/binutils</a>
<i>bmake</i>	20080515	20090222	<a href="ftp://ftp.NetBSD.org/pub/NetBSD/misc/sjg/">ftp://ftp.NetBSD.org/pub/NetBSD/misc/sjg/</a>
<i>bouml</i>	4.12.1	4.14	<a href="http://bouml.free.fr/">http://bouml.free.fr/</a>
<i>buildbot</i>	0.7.10p1	0.7.11p3	<a href="http://buildbot.net">http://buildbot.net</a>
<i>bzr</i>	1.14	2.0.1	<a href="http://www.bazaar-vcs.org/">http://www.bazaar-vcs.org/</a>
<i>bzr-gtk</i>	0.95.0	0.97.0	<a href="http://bazaar-vcs.org/bzr-gtk">http://bazaar-vcs.org/bzr-gtk</a>
<i>bzrtools</i>	1.14.0	2.0.1	<a href="http://bazaar-vcs.org/BzrTools">http://bazaar-vcs.org/BzrTools</a>
<i>check</i>	0.9.6	0.9.8	<a href="http://check.sourceforge.net/">http://check.sourceforge.net/</a>
<i>clips</i>	6.24	6.30.0	<a href="http://clipsrules.sourceforge.net">http://clipsrules.sourceforge.net</a>
<i>clips-emacs</i>	new	6.30.0	<a href="http://clipsrules.sourceforge.net">http://clipsrules.sourceforge.net</a>
<i>clips-xclips</i>	6.24	6.30.0	<a href="http://clipsrules.sourceforge.net">http://clipsrules.sourceforge.net</a>
<i>cmake</i>	2.6.3	2.6.4	<a href="http://www.cmake.org">http://www.cmake.org</a>
<i>cmake-gui</i>	2.6.3	2.6.4	<a href="http://www.cmake.org">http://www.cmake.org</a>
<i>cproto</i>	4.7g	4.7h	<a href="http://invisible-island.net/">http://invisible-island.net/</a>

组件	老版本	新版本	上游URL
<i>ctags</i>	5.7	5.8	<a href="http://ctags.sourceforge.net/">http://ctags.sourceforge.net/</a>
<i>ctags-etags</i>	5.7	5.8	<a href="http://ctags.sourceforge.net/">http://ctags.sourceforge.net/</a>
<i>ctemplate</i>	0.93	0.95	<a href="http://code.google.com/p/google-ctemplate/">http://code.google.com/p/google-ctemplate/</a>
<i>cxxtest</i>	new	3.10.1	<a href="http://cxxtest.tigris.org">http://cxxtest.tigris.org</a>
<i>d-feet</i>	0.1.8	0.1.10	<a href="http://hosted.fedoraproject.org/projects/d-feet">http://hosted.fedoraproject.org/projects/d-feet</a>
<i>dbus-cxx-tools</i>	new	0.4.3	<a href="http://dbus-cxx.sourceforge.net/">http://dbus-cxx.sourceforge.net/</a>
<i>dchroot</i>	new	1.2.3	<a href="http://packages.debian.org/schroot">http://packages.debian.org/schroot</a>
<i>devhelp</i>	0.23	2.28.1	<a href="http://developer.imendio.com/projects/devhelp">http://developer.imendio.com/projects/devhelp</a>
<i>devtodo</i>	new	0.1.20	<a href="http://swapoff.org/DevTodo">http://swapoff.org/DevTodo</a>
<i>diffuse</i>	0.3.1	0.4.0	<a href="http://diffuse.sourceforge.net/">http://diffuse.sourceforge.net/</a>
<i>doxygen</i>	1.5.8	1.6.1	<a href="http://www.stack.nl/~dimitri/doxygen/index.html">http://www.stack.nl/~dimitri/doxygen/index.html</a>
<i>dumbster</i>	new	1.6	<a href="http://quintanasoft.com/dumbster/">http://quintanasoft.com/dumbster/</a>
<i>dumpasn1</i>	20090107	20090721	<a href="http://www.cs.auckland.ac.nz/~pgut001/">http://www.cs.auckland.ac.nz/~pgut001/</a>
<i>eclipse-anyedit</i>	new	2.2.0	<a href="http://andrei.gmxhome.de/anyedit/index.html">http://andrei.gmxhome.de/anyedit/index.html</a>
<i>eclipse-cdt</i>	5.0.2	6.0.0	<a href="http://www.eclipse.org/cdt">http://www.eclipse.org/cdt</a>
<i>eclipse-changelog</i>	2.6.6	2.6.7	<a href="http://sources.redhat.com/eclipse">http://sources.redhat.com/eclipse</a>
<i>eclipse-cmakeed</i>	1.1.2	1.1.4	<a href="http://cmakeed.sourceforge.net">http://cmakeed.sourceforge.net</a>
<i>eclipse-dltk-rse</i>	new	1.0.0	<a href="http://www.eclipse.org/dltk/">http://www.eclipse.org/dltk/</a>



组件	老版本	新版本	上游URL
<i>eclipse-eclEmma</i>	1.3.2	1.4.2	<a href="http://www.eclEmma.org">http://www.eclEmma.org</a>
<i>eclipse-egit</i>	0.4.0	0.5.0	<a href="http://repo.or.cz/w/egit.git">http://repo.or.cz/w/egit.git</a>
<i>eclipse-epic</i>	0.6.33	0.6.35	<a href="http://www.epic-ide.org/">http://www.epic-ide.org/</a>
<i>eclipse-linuxprofilingframework</i>	0.1.0	0.3.0	<a href="http://eclipse.org/linuxtools">http://eclipse.org/linuxtools</a>
<i>eclipse-moreunit</i>	1.3.2	1.3.3	<a href="http://moreunit.sourceforge.net">http://moreunit.sourceforge.net</a>
<i>eclipse-mylyn</i>	3.1.0	3.2.1	<a href="http://www.eclipse.org/mylyn">http://www.eclipse.org/mylyn</a>
<i>eclipse-mylyn-java</i>	3.1.0	3.2.1	<a href="http://www.eclipse.org/mylyn">http://www.eclipse.org/mylyn</a>
<i>eclipse-mylyn-pde</i>	3.1.0	3.2.1	<a href="http://www.eclipse.org/mylyn">http://www.eclipse.org/mylyn</a>
<i>eclipse-mylyn-trac</i>	3.1.0	3.2.1	<a href="http://www.eclipse.org/mylyn">http://www.eclipse.org/mylyn</a>
<i>eclipse-mylyn-webtasks</i>	3.1.0	3.2.1	<a href="http://www.eclipse.org/mylyn">http://www.eclipse.org/mylyn</a>
<i>eclipse-mylyn-wikitext</i>	3.1.0	3.2.1	<a href="http://www.eclipse.org/mylyn">http://www.eclipse.org/mylyn</a>
<i>eclipse-oprofile</i>	0.1.0	0.2.0	<a href="http://www.eclipse.org/linuxtools/projectPages/oprofile/">http://www.eclipse.org/linuxtools/projectPages/oprofile/</a>
<i>eclipse-photran</i>	4.0.0	5.0.0	<a href="http://www.eclipse.org/photran">http://www.eclipse.org/photran</a>
<i>eclipse-pydev</i>	1.4.4	1.4.7	<a href="http://pydev.sourceforge.net">http://pydev.sourceforge.net</a>
<i>eclipse-pydev-mylyn</i>	1.4.4	1.4.7	<a href="http://pydev.sourceforge.net">http://pydev.sourceforge.net</a>
<i>eclipse-rpm-editor</i>	0.4.2	0.4.3	<a href="http://www.eclipse.org/linuxtools/">http://www.eclipse.org/linuxtools/</a>
<i>eclipse-rpmstubby</i>	0.1.1	0.3.0	<a href="http://www.eclipse.org/linuxtools/projectPages/rpmstubby/">http://www.eclipse.org/linuxtools/projectPages/rpmstubby/</a>
<i>eclipse-rse</i>	new	3.1	<a href="http://www.eclipse.org/dsdp/tm/">http://www.eclipse.org/dsdp/tm/</a>
<i>eclipse-slide</i>	1.3.9	1.3.13	<a href="http://oss.tresys.com/projects/slide">http://oss.tresys.com/projects/slide</a>
<i>eclipse-subclipse</i>	1.6.0	1.6.5	<a href="http://subclipse.tigris.org/">http://subclipse.tigris.org/</a>

组件	老版本	新版本	上游URL
<i>eclipse-subclipse-graph</i>	1.6.0	1.6.5	<a href="http://subclipse.tigris.org/">http://subclipse.tigris.org/</a>
<i>eclipse-svnkit</i>	1.2.3	1.3.0	<a href="http://www.svnkit.com/">http://www.svnkit.com/</a>
<i>eclipse-testframework</i>	new	3.5.0	<a href="http://eclipse.org">http://eclipse.org</a>
<i>eclipse-valgrind</i>	0.1.0	0.3.0	<a href="http://www.eclipse.org/linuxtools/projectPages/valgrind">http://www.eclipse.org/linuxtools/projectPages/valgrind</a>
<i>elfutils</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>elfutils-devel</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>elfutils-devel-static</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>elfutils-libelf</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>elfutils-libelf-devel</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>elfutils-libelf-devel-static</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>elfutils-libs</i>	0.140	0.143	<a href="https://fedorahosted.org/elfutils/">https://fedorahosted.org/elfutils/</a>
<i>eric</i>	4.3.2	4.3.7.1	<a href="http://eric-ide.python-projects.org">http://eric-ide.python-projects.org</a>
<i>febootstrap</i>	new	2.5	<a href="http://et.redhat.com/~rjones/febootstrap/">http://et.redhat.com/~rjones/febootstrap/</a>
<i>gambas2-devel</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-chart</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-compress</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-crypt</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-db</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>gambas2-gb-db-firebird</i>	new	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-db-form</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-db-mysql</i>	new	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-db-odbc</i>	new	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-db-postgresql</i>	new	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-db-sqlite3</i>	new	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-desktop</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-form</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-form-dialog</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-form-mdi</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-gtk</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-gtk-ext</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-gtk-svg</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-gui</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-image</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-info</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-net</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-net-curl</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-net-smtp</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-opengl</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-option</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>gambas2-gb-pcre</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-pdf</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-qt</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-qt-ext</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-qt-kde</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-qt-kde-html</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-qt-opengl</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-report</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-sdl</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-sdl-sound</i>	new	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-settings</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-v4l</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-vb</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-web</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-xml</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-xml-rpc</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-gb-xml-xslt</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-ide</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-runtime</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>gambas2-script</i>	2.12.0	2.17.0	<a href="http://gambas.sourceforge.net/">http://gambas.sourceforge.net/</a>
<i>geany</i>	0.16	0.18	<a href="http://www.geany.org/">http://www.geany.org/</a>
<i>geany-devel</i>	0.16	0.18	<a href="http://www.geany.org/">http://www.geany.org/</a>

组件	老版本	新版本	上游URL
<i>geany-plugins-addons</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-common</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-geanygdb</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-geanylatex</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-geanylipsum</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-geanylua</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-geanysendmail</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-geanyvc</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-shiftcolumn</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>geany-plugins-spellcheck</i>	new	0.18	<a href="http://plugins.geany.org/">http:// plugins.geany.org/</a>
<i>gflags</i>	1.0	1.1	<a href="http://code.google.com/p/google-gflags/">http://code.google.com/ p/google-gflags/</a>
<i>gimp-devel-tools</i>	2.6.6	2.6.7	<a href="http://www.gimp.org/">http://www.gimp.org/</a>
<i>git</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-all</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-arch</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-cola</i>	1.3.6	1.3.9.14	<a href="http://cola.tuxfamily.org/">http://cola.tuxfamily.org/</a>
<i>git-cpan-patch</i>	0.1.5	0.2.1	<a href="http://search.cpan.org/dist/Git-CPAN-Patch/">http://search.cpan.org/ dist/Git-CPAN-Patch/</a>
<i>git-cvs</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-daemon</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-email</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-gui</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>git-svn</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>gitg</i>	new	0.0.5	<a href="http://trac.novowork.com/gitg">http:// trac.novowork.com/gitg</a>
<i>gitk</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>gitweb</i>	1.6.2.2	1.6.5.2	<a href="http://git-scm.com/">http://git-scm.com/</a>
<i>glade3</i>	3.6.1	3.6.7	<a href="http://glade.gnome.org/">http://glade.gnome.org/</a>

组件	老版本	新版本	上游URL
<i>glibc-utils</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>global</i>	5.7.3	5.7.5	<a href="http://www.gnu.org/software/global">http://www.gnu.org/software/global</a>
<i>gnome-common</i>	2.26.0	2.28.0	<a href="http://developer.gnome.org">http://developer.gnome.org</a>
<i>gnome-doc-utils</i>	0.16.1	0.18.0	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-doc-utils-stylesheets</i>	0.16.1	0.18.0	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnustep-make</i>	2.0.8	2.2.0	<a href="http://www.gnustep.org/">http://www.gnustep.org/</a>
<i>gob2</i>	2.0.15	2.0.16	<a href="http://www.5z.com/jirka/gob.html">http://www.5z.com/jirka/gob.html</a>
<i>google-perftools</i>	0.99.1	1.4	<a href="http://code.google.com/p/google-perftools/">http://code.google.com/p/google-perftools/</a>
<i>gpxe-bootimngs</i>	new	0.9.7	<a href="http://etherboot.org/">http://etherboot.org/</a>
<i>gpxe-roms</i>	new	0.9.7	<a href="http://etherboot.org/">http://etherboot.org/</a>
<i>gpxe-roms-qemu</i>	new	0.9.7	<a href="http://etherboot.org/">http://etherboot.org/</a>
<i>grfcodec</i>	new	0.9.11	<a href="http://www.ttdpatch.net/grfcodec/">http://www.ttdpatch.net/grfcodec/</a>
<i>gsoap</i>	2.7.12	2.7.13	<a href="http://gsoap2.sourceforge.net">http://gsoap2.sourceforge.net</a>
<i>gtest</i>	1.0.0	1.3.0	<a href="http://code.google.com/p/googletest/">http://code.google.com/p/googletest/</a>
<i>gtranslator</i>	1.1.7	1.9.6	<a href="http://gtranslator.sourceforge.net">http://gtranslator.sourceforge.net</a>
<i>guestfish</i>	new	1.0.75	<a href="http://libguestfs.org/">http://libguestfs.org/</a>
<i>guilt</i>	0.32	0.32.1	<a href="http://www.kernel.org/pub/linux/kernel/people/jsipek/guilt/">http://www.kernel.org/pub/linux/kernel/people/jsipek/guilt/</a>
<i>gxemul</i>	0.4.6.6	0.4.7.2	<a href="http://gxemul.sourceforge.net/">http://gxemul.sourceforge.net/</a>
<i>happy</i>	1.18.2	1.18.4	<a href="http://haskell.org/happy/">http://haskell.org/happy/</a>
<i>highlight</i>	2.8	2.13	<a href="http://www.andre-simon.de/">http://www.andre-simon.de/</a>
<i>highlight-gui</i>	2.8	2.13	<a href="http://www.andre-simon.de/">http://www.andre-simon.de/</a>
<i>hscolour</i>	1.12	1.15	<a href="http://www.cs.york.ac.uk/fp/darcs/hscolour/">http://www.cs.york.ac.uk/fp/darcs/hscolour/</a>

组件	老版本	新版本	上游URL
<i>html-xml-utils</i>	3.7	5.5	<a href="http://www.w3.org/Tools/HTML-XML-utils/">http://www.w3.org/Tools/HTML-XML-utils/</a>
<i>icecream</i>	0.9.3	0.9.4	<a href="http://en.opensuse.org/Icecream">http://en.opensuse.org/Icecream</a>
<i>icu</i>	4.0.1	4.2.1	<a href="http://www.icu-project.org/">http://www.icu-project.org/</a>
<i>intel-gpu-tools</i>	2.7.0	2.9.1	<a href="http://www.x.org">http://www.x.org</a>
<i>intltool</i>	0.40.6	0.41.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>jsl</i>	new	0.3.0	<a href="http://javascriptlint.com/">http://javascriptlint.com/</a>
<i>kdesvn</i>	1.2.4	1.4.1	<a href="http://kdesvn.alwings-world.de/">http://kdesvn.alwings-world.de/</a>
<i>lcov</i>	1.6	1.7	<a href="http://ltp.sourceforge.net/coverage/lcov.php">http://ltp.sourceforge.net/coverage/lcov.php</a>
<i>lemon</i>	3.6.12	3.6.17	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<i>mapnik-devel</i>	0.5.2	0.6.1	<a href="http://mapnik.org/">http://mapnik.org/</a>
<i>mapserver</i>	5.2.1	5.4.2	<a href="http://mapserver.gis.umn.edu">http://mapserver.gis.umn.edu</a>
<i>mash</i>	0.5.3	0.5.8	<a href="http://fedorahosted.org/releases/m/a/mash/">http://fedorahosted.org/releases/m/a/mash/</a>
<i>maven-doxia-sitetools</i>	new	1.0	<a href="http://maven.apache.org/doxia/">http://maven.apache.org/doxia/</a>
<i>maven-scm-test</i>	1.0	1.2	<a href="http://maven.apache.org/scm">http://maven.apache.org/scm</a>
<i>maven2-plugin-shade</i>	new	1.0	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>mediawiki</i>	1.14.0	1.15.1	<a href="http://www.mediawiki.org/">http://www.mediawiki.org/</a>
<i>mediawiki-math</i>	1.14.0	1.15.1	<a href="http://www.mediawiki.org/">http://www.mediawiki.org/</a>
<i>mediawiki-nomath</i>	1.14.0	1.15.1	<a href="http://www.mediawiki.org/">http://www.mediawiki.org/</a>
<i>meld</i>	1.2.1	1.3.0	<a href="http://meld.sourceforge.net/">http://meld.sourceforge.net/</a>
<i>mercurial</i>	1.2.1	1.3.1	<a href="http://www.selenic.com/mercurial/">http://www.selenic.com/mercurial/</a>
<i>mercurial-hgk</i>	1.2.1	1.3.1	<a href="http://www.selenic.com/mercurial/">http://www.selenic.com/mercurial/</a>
<i>mk-files</i>	20070430	20081111	<a href="ftp://ftp.NetBSD.org/pub/NetBSD/misc/sjg/">ftp://ftp.NetBSD.org/pub/NetBSD/misc/sjg/</a>

组件	老版本	新版本	上游URL
<i>mkdst</i>	0.11	0.12	<a href="https://launchpad.net/mkdst/">https://launchpad.net/mkdst/</a>
<i>mock</i>	0.9.16	0.9.19	<a href="http://fedoraproject.org/wiki/Projects/Mock">http://fedoraproject.org/wiki/Projects/Mock</a>
<i>mono-debugger</i>	2.4	2.4.2.1	<a href="http://www.go-mono.com/sources-stable/">http://www.go-mono.com/sources-stable/</a>
<i>mono-tools</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>monodevelop</i>	2.0	2.1.0	<a href="http://monodevelop.com/">http://monodevelop.com/</a>
<i>monodevelop-debugger-mdb</i>	new	2.1.0	<a href="http://www.monodevelop.com">http://www.monodevelop.com</a>
<i>monotone</i>	0.43	0.45	<a href="http://monotone.ca/">http://monotone.ca/</a>
<i>monotone-server</i>	0.43	0.45	<a href="http://monotone.ca/">http://monotone.ca/</a>
<i>misp430-binutils</i>	2.19	2.19.1	<a href="http://www.gnu.org/software/binutils/">http://www.gnu.org/software/binutils/</a>
<i>nasm-rdoff</i>	2.05.01	2.07	<a href="http://nasm.sourceforge.net/">http://nasm.sourceforge.net/</a>
<i>netbeans</i>	6.5	6.7.1	<a href="http://www.netbeans.org">http://www.netbeans.org</a>
<i>netbeans-apisupport1</i>	6.5	6.7.1	<a href="http://www.netbeans.org">http://www.netbeans.org</a>
<i>netbeans-ide11</i>	new	6.7.1	<a href="http://www.netbeans.org">http://www.netbeans.org</a>
<i>netbeans-java2</i>	6.5	6.7.1	<a href="http://www.netbeans.org">http://www.netbeans.org</a>
<i>nwsclient</i>	1.6.3	1.6.4	<a href="http://nws-py.sourceforge.net/">http://nws-py.sourceforge.net/</a>

表 45. 开发-工具的所有更新

组件	老版本	新版本	上游URL
<i>nwsserver</i>	1.5.2	2.0.0	<a href="http://www.lindaspaces.com/products/NWS_overview.html">http://www.lindaspaces.com/products/NWS_overview.html</a>
<i>opengrok</i>	0.7	0.8	<a href="http://www.opensolaris.org/os/project/opengrok/">http://www.opensolaris.org/os/project/opengrok/</a>



组件	老版本	新版本	上游URL
<i>openocd</i>	new	0.2.0	<a href="http://openocd.berlios.de/web/">http://openocd.berlios.de/web/</a>
<i>pcsc-tools</i>	1.4.14	1.4.15	<a href="http://ludovic.rousseau.free.fr/software/pcsc-tools/">http://ludovic.rousseau.free.fr/software/pcsc-tools/</a>
<i>perl-Monotone</i>	0.43	0.45	<a href="http://monotone.ca/">http://monotone.ca/</a>
<i>perl-Sys-Virt-TCK</i>	new	0.1.0	<a href="http://libvirt.org/">http://libvirt.org/</a>
<i>perltidy</i>	20071205	20090616	<a href="http://perltidy.sourceforge.net/">http://perltidy.sourceforge.net/</a>
<i>pgfouine</i>	1.0	1.1	<a href="http://pgfouine.projects.postgresql.org">http://pgfouine.projects.postgresql.org</a>
<i>php-pear-PHP-CodeSniffer</i>	1.1.0	1.2.0	<a href="http://pear.php.net/package/PHP_CodeSniffer">http://pear.php.net/package/PHP_CodeSniffer</a>
<i>phpcs</i>	1.1.0	1.2.0	<a href="http://pear.php.net/package/PHP_CodeSniffer">http://pear.php.net/package/PHP_CodeSniffer</a>
<i>phpdoc</i>	1.4.2	1.4.3	<a href="http://www.phpdoc.org/">http://www.phpdoc.org/</a>
<i>plexus-mail-sender</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-naming</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-registry</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-resources</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>proguard</i>	new	4.4	<a href="http://proguard.sourceforge.net">http://proguard.sourceforge.net</a>
<i>pungi</i>	2.0.16	2.0.20	<a href="https://fedorahosted.org/pungi">https://fedorahosted.org/pungi</a>
<i>python-cerealizer</i>	0.6	0.7	<a href="http://home.gna.org/oomadness/en/cerealizer/index.html">http://home.gna.org/oomadness/en/cerealizer/index.html</a>
<i>python-sphinx</i>	0.5.1	0.6.3	<a href="http://sphinx.pocoo.org/">http://sphinx.pocoo.org/</a>
<i>python-tools</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>
<i>qemu</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-common</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-img</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-kvm</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-kvm-tools</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>

组件	老版本	新版本	上游URL
<i>qemu-system-arm</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-cris</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-m68k</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-mips</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-ppc</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-sh4</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-sparc</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-system-x86</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qemu-user</i>	0.10	0.11.0	<a href="http://www.qemu.org/">http://www.qemu.org/</a>
<i>qgit</i>	2.2	2.3	<a href="http://digilander.libero.it/mcostalba/">http://digilander.libero.it/mcostalba/</a>
<i>qscintilla</i>	2.3.2	2.4	<a href="http://www.riverbankcomputing.com/software/qscintilla/">http://www.riverbankcomputing.com/software/qscintilla/</a>
<i>qt-creator</i>	1.0.0	1.2.90	<a href="http://www.qtsoftware.com/developer/qt-creator">http://www.qtsoftware.com/developer/qt-creator</a>
<i>ragel</i>	6.3	6.5	<a href="http://www.complang.org/ragel/">http://www.complang.org/ragel/</a>
<i>rapidsvn</i>	0.9.6	0.10.0	<a href="http://www.rapidsvn.org/">http://www.rapidsvn.org/</a>
<i>rmanage</i>	0.1.6	0.1.7	<a href="http://code.google.com/p/rmanage/">http://code.google.com/p/rmanage/</a>
<i>rpm-build</i>	4.7.0	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rpmdevtools</i>	7.1	7.5	<a href="https://fedorahosted.org/rpmdevtools/">https://fedorahosted.org/rpmdevtools/</a>
<i>rpmlint</i>	0.87	0.91	<a href="http://rpmlint.zarb.org/">http://rpmlint.zarb.org/</a>
<i>schroot</i>	new	1.2.3	<a href="http://packages.debian.org/schroot">http://packages.debian.org/schroot</a>
<i>scribus-doc</i>	1.3.5	1.3.5.1	<a href="http://www.scribus.net/">http://www.scribus.net/</a>
<i>shortrpm</i>	new	1.2	<a href="http://v3.sk/~lkundrak/shortrpm">http://v3.sk/~lkundrak/shortrpm</a>
<i>siege</i>	2.67	2.69	<a href="http://www.joedog.org/JoeDog/Siege">http://www.joedog.org/JoeDog/Siege</a>
<i>sip</i>	4.7.9	4.8.2	<a href="http://www.riverbankcomputing.com/software/sip/intro">http://www.riverbankcomputing.com/software/sip/intro</a>

组件	老版本	新版本	上游URL
<i>sparse</i>	0.4.1	0.4.2	<a href="http://www.kernel.org/pub/software/devel/sparse/">http://www.kernel.org/pub/software/devel/sparse/</a>
<i>squirrel</i>	2.2.2	2.2.3	<a href="http://squirrel-lang.org/">http://squirrel-lang.org/</a>
<i>srecord</i>	1.47	1.51	<a href="http://srecord.sourceforge.net/">http://srecord.sourceforge.net/</a>
<i>subcommander</i>	1.9.94	2.0	<a href="http://subcommander.tigris.org">http://subcommander.tigris.org</a>
<i>subversion</i>	1.6.1	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>subversion-api-docs</i>	1.6.0	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>subversion-devel</i>	1.6.1	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>subversion-gnome</i>	new	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>subversion-kde</i>	new	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>svn2cl</i>	0.11	dropped	<a href="http://ch.tudelft.nl/~arthur/svn2cl/">http://ch.tudelft.nl/~arthur/svn2cl/</a>
<i>svnkit</i>	1.2.3	1.3.0	<a href="http://www.svnkit.com/">http://www.svnkit.com/</a>
<i>swig</i>	1.3.39	1.3.40	<a href="http://swig.sourceforge.net/">http://swig.sourceforge.net/</a>
<i>swig-doc</i>	1.3.39	1.3.40	<a href="http://swig.sourceforge.net/">http://swig.sourceforge.net/</a>
<i>synopsis</i>	0.11	0.12	<a href="http://synopsis.fresco.org">http://synopsis.fresco.org</a>
<i>synopsis-idl</i>	0.11	0.12	<a href="http://synopsis.fresco.org">http://synopsis.fresco.org</a>
<i>systemtapguiserver</i>	new	1.0	<a href="http://stapgui.sourceforge.net/">http://stapgui.sourceforge.net/</a>
<i>translate-toolkit</i>	1.3.0	1.4.1	<a href="http://translate.sourceforge.net/wiki/toolkit/index">http://translate.sourceforge.net/wiki/toolkit/index</a>
<i>translate-toolkit-devel</i>	1.3.0	1.4.1	<a href="http://translate.sourceforge.net/wiki/toolkit/index">http://translate.sourceforge.net/wiki/toolkit/index</a>
<i>uncrustify</i>	0.52	0.54	<a href="http://uncrustify.sourceforge.net/">http://uncrustify.sourceforge.net/</a>
<i>valide</i>	new	0.5.1	<a href="http://www.valaide.org">http://www.valaide.org</a>
<i>viewvc</i>	1.1.0	1.1.2	<a href="http://www.viewvc.org/">http://www.viewvc.org/</a>
<i>viewvc-httpd</i>	1.1.0	1.1.2	<a href="http://www.viewvc.org/">http://www.viewvc.org/</a>

组件	老版本	新版本	上游URL
<i>virt-df</i>	2.1.5	dropped	<a href="http://et.redhat.com/~rjones/virt-df/">http://et.redhat.com/~rjones/virt-df/</a>
<i>virtaal</i>	0.3.1	0.4.1	<a href="http://translate.sourceforge.net/wiki/virtaal/index">http://translate.sourceforge.net/wiki/virtaal/index</a>
<i>waf</i>	1.5.4	1.5.9	<a href="http://code.google.com/p/waf/">http://code.google.com/p/waf/</a>
<i>xfce4-dev-tools</i>	4.5.99.1	4.7.2	<a href="http://xfce.org/~benny/projects/xfce4-dev-tools/">http://xfce.org/~benny/projects/xfce4-dev-tools/</a>
<i>xsd</i>	new	3.2.0	<a href="http://www.codesynthesis.com/products/xsd/">http://www.codesynthesis.com/products/xsd/</a>
<i>yum-presto</i>	0.4.5	0.6.1	<a href="http://www.lesbg.com/jdieter/presto/">http://www.lesbg.com/jdieter/presto/</a>
<i>yum-utils</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>z88dk</i>	1.8	1.9	<a href="http://z88dk.sourceforge.net/">http://z88dk.sourceforge.net/</a>

表 46. All Development-Tools changes (cont'd)

已更改软件包	286
未更改软件包	299
软件包总数	585

#### 8.4.12. 开发

组件	老版本	新版本	上游URL
<i>amqp</i>	1.0.752600	1.0.819819	<a href="http://www.amqp.org">http://www.amqp.org</a>
<i>libsmbclient-devel</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>samba-winbind-devel</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>

表 47. 开发工具的所有更新

已更改软件包	3
未更改软件包	0
软件包总数	3

#### 8.5. 文档

组件	老版本	新版本	上游URL
<i>389-admin-console-doc</i>	new	1.1.4	<a href="http://port389.org">http://port389.org</a>
<i>389-ds-console-doc</i>	new	1.2.0	<a href="http://port389.org">http://port389.org</a>

组件	老版本	新版本	上游URL
<i>CCfits-docs</i>	2.1	2.2	<a href="http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits">http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits</a>
<i>CGAL-demos-source</i>	3.3.1	3.5	<a href="http://www.cgal.org/">http://www.cgal.org/</a>
<i>Django-doc</i>	1.0.2	1.1	<a href="http://www.djangoproject.com/">http://www.djangoproject.com/</a>
<i>GMT-doc</i>	4.4.0	4.5.1	<a href="http://gmt.soest.hawaii.edu/">http://gmt.soest.hawaii.edu/</a>
<i>GtkAda-doc</i>	2.10.2	2.14.0	<a href="https://libre.adacore.com/GtkAda/">https://libre.adacore.com/GtkAda/</a>
<i>ImageMagick-doc</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>LuxRender-devel-docs</i>	new	0.5	<a href="http://www.luxrender.net">http://www.luxrender.net</a>
<i>MiniCopier-javadoc</i>	new	0.4	<a href="http://a.courreges.free.fr/projets/minicopier/minicopier-en.php">http://a.courreges.free.fr/projets/minicopier/minicopier-en.php</a>
<i>PgsLookAndFeel-javadoc</i>	new	1.1	<a href="https://pgslookandfeel.dev.java.net/">https://pgslookandfeel.dev.java.net/</a>
<i>Pixie-docs</i>	2.2.5	2.2.6	<a href="http://www.renderpixie.com/">http://www.renderpixie.com/</a>
<i>RasmusDSP-javadoc</i>	new	0.1	<a href="http://sourceforge.net/projects/rasmusdsp">http://sourceforge.net/projects/rasmusdsp</a>
<i>SevenZip-javadoc</i>	new	4.65	<a href="http://www.7-zip.org/sdk.html">http://www.7-zip.org/sdk.html</a>
<i>anjuta-doc</i>	2.26.1.0	2.28.1.0	<a href="http://www.anjuta.org/">http://www.anjuta.org/</a>
<i>aquite-bndlib-javadoc</i>	new	0.0.363	<a href="http://www.aQuite.biz/Code/Bnd">http://www.aQuite.biz/Code/Bnd</a>
<i>autodafe-doc</i>	new	0.1	<a href="http://autodafe.sourceforge.net/">http://autodafe.sourceforge.net/</a>
<i>backport-util-concurrent-javadoc</i>	new	3.1	<a href="http://backport-jsr166.sourceforge.net">http://backport-jsr166.sourceforge.net</a>
<i>bacula-docs</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bes-doc</i>	3.6.2	3.7.2	<a href="http://www.opendap.org/download/BES.html">http://www.opendap.org/download/BES.html</a>
<i>boinc-client-doc</i>	6.4.7	6.6.37	<a href="http://boinc.berkeley.edu/">http://boinc.berkeley.edu/</a>
<i>boost-doc</i>	1.37.0	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>

组件	老版本	新版本	上游URL
<i>bouncycastle-tsp-javadoc</i>	new	1.43	<a href="http://www.bouncycastle.org/">http://www.bouncycastle.org/</a>
<i>bugzilla-doc</i>	3.2.3	3.4.2	<a href="http://www.bugzilla.org/">http://www.bugzilla.org/</a>
<i>cim-schema-docs</i>	new	2.22.0	<a href="http://www.dmtf.org/">http://www.dmtf.org/</a>
<i>clips-doc</i>	6.24	6.30.0	<a href="http://clipsrules.sourceforge.net">http://clipsrules.sourceforge.net</a>
<i>clipsmm-doc</i>	new	0.1.0	<a href="http://clipsmm.sourceforge.net">http://clipsmm.sourceforge.net</a>
<i>clutter-doc</i>	0.8.6	1.0.6	<a href="http://www.clutter-project.org/">http://www.clutter-project.org/</a>
<i>cobertura-javadoc</i>	new	1.9	<a href="http://cobertura.sourceforge.net/">http://cobertura.sourceforge.net/</a>
<i>colossus-javadoc</i>	new	0.9.3	<a href="http://colossus.sourceforge.net/">http://colossus.sourceforge.net/</a>
<i>cone-doc</i>	0.75	0.78	<a href="http://www.courier-mta.org/cone/">http://www.courier-mta.org/cone/</a>
<i>conexus-doc</i>	new	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>cpptasks-javadoc</i>	new	1.0b5	<a href="http://ant-contrib.sourceforge.net/">http://ant-contrib.sourceforge.net/</a>
<i>csound-javadoc</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>csound-manual</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>cxxtest-doc</i>	new	3.10.1	<a href="http://cxxtest.tigris.org">http://cxxtest.tigris.org</a>
<i>dbus-cxx-doc</i>	new	0.4.3	<a href="http://dbus-cxx.sourceforge.net/">http://dbus-cxx.sourceforge.net/</a>
<i>dbus-doc</i>	1.2.12	1.2.16	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>dnsjava-javadoc</i>	new	2.0.6	<a href="http://www.dnsjava.org/">http://www.dnsjava.org/</a>
<i>dumbster-javadoc</i>	new	1.6	<a href="http://quintanasoft.com/dumbster/">http://quintanasoft.com/dumbster/</a>
<i>easymock-javadoc</i>	new	1.2	<a href="http://www.easymock.org/">http://www.easymock.org/</a>
<i>easymock2-javadoc</i>	new	2.5	<a href="http://easymock.org/">http://easymock.org/</a>
<i>electric-javadoc</i>	8.08	8.09	<a href="http://www.staticfreesoft.com/">http://www.staticfreesoft.com/</a>
<i>entertainer-doc</i>	new	0.4.2	<a href="https://launchpad.net/entertainer">https://launchpad.net/entertainer</a>
<i>fedora-security-guide-en-US</i>	new	1.0	<a href="http://docs.fedoraproject.org">http://docs.fedoraproject.org</a>

组件	老版本	新版本	上游URL
<i>findbugs-contrib-javadoc</i>	new	4.0.0	<a href="http://fb-contrib.sourceforge.net/">http://fb-contrib.sourceforge.net/</a>
<i>fpc-doc</i>	2.2.2	2.2.4	<a href="http://www.freepascal.org/">http://www.freepascal.org/</a>
<i>freecol-manual</i>	0.8.1	0.8.3	<a href="http://www.freecol.org/">http://www.freecol.org/</a>
<i>frinika-javadoc</i>	new	0.5.1	<a href="http://frinika.appspot.com/">http://frinika.appspot.com/</a>
<i>ftgl-docs</i>	2.1.2	2.1.3	<a href="http://ftgl.wiki.sourceforge.net/">http://ftgl.wiki.sourceforge.net/</a>
<i>ghostscript-doc</i>	8.64	8.70	<a href="http://www.ghostscript.com/">http://www.ghostscript.com/</a>
<i>glibmm24-doc</i>	2.20.0	2.22.1	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>globus-callout-doc</i>	new	0.7	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-ftp-client-doc</i>	new	3.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-ftp-control-doc</i>	new	2.10	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gass-copy-doc</i>	new	4.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gass-transfer-doc</i>	new	3.4	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-callback-doc</i>	new	1.10	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-cert-utils-doc</i>	new	5.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-credential-doc</i>	new	2.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-openssl-error-doc</i>	new	0.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-proxy-core-doc</i>	new	3.4	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-proxy-ssl-doc</i>	new	1.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-sysconfig-doc</i>	new	2.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gss-assist-doc</i>	new	4.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gssapi-error-doc</i>	new	2.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gssapi-gsi-doc</i>	new	5.9	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-openssl-module-doc</i>	new	0.6	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls-client-doc</i>	new	5.1	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio-doc</i>	new	2.8	<a href="http://www.globus.org/">http://www.globus.org/</a>

组件	老版本	新版本	上游URL
<i>globus-xio-gsi-driver-doc</i>	new	0.6	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>glpk-doc</i>	4.36	4.39	<a href="http://www.gnu.org/software/glpk/glpk.html">http://www.gnu.org/software/glpk/glpk.html</a>
<i>gnome-user-docs</i>	2.26.1	2.28.0	n/a
<i>gnustep-make-doc</i>	2.0.8	2.2.0	<a href="http://www.gnustep.org/">http://www.gnustep.org/</a>
<i>gstreamer-java-javadoc</i>	1.0	1.2	<a href="http://code.google.com/p/gstreamer-java/">http://code.google.com/p/gstreamer-java/</a>
<i>gtk-sharp2-doc</i>	2.12.7	2.12.9	<a href="http://gtk-sharp.sf.net">http://gtk-sharp.sf.net</a>
<i>gtkmm-utils-doc</i>	new	0.4.1	<a href="http://code.google.com/p/gtkmm-utils/">http://code.google.com/p/gtkmm-utils/</a>
<i>gtkmm-utils-example</i>	new	0.4.1	<a href="http://code.google.com/p/gtkmm-utils/">http://code.google.com/p/gtkmm-utils/</a>
<i>gtkmm24-docs</i>	2.16.0	2.18.1	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gtksourcecompletion-doc</i>	0.5.2	0.7.0	<a href="http://gtksourcecomple.sourceforge.net/">http://gtksourcecomple.sourceforge.net/</a>
<i>gutenprint-doc</i>	new	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp-print.sourceforge.net/</a>
<i>hamlib-doc</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http://hamlib.sourceforge.net</a>
<i>httpd-manual</i>	2.2.11	2.2.13	<a href="http://httpd.apache.org/">http://httpd.apache.org/</a>
<i>ini4j-javadoc</i>	0.3.2	0.4.1	<a href="http://www.ini4j.org/">http://www.ini4j.org/</a>
<i>itext-javadoc</i>	2.1.5	2.1.7	<a href="http://www.lowagie.com/iText/">http://www.lowagie.com/iText/</a>
<i>jVorbisEnc-javadoc</i>	new	0.1	<a href="http://zbignew.sudnik.org/app/vorbis/vorbis.html">http://zbignew.sudnik.org/app/vorbis/vorbis.html</a>
<i>jakarta-commons-compress-javadoc</i>	0	1.0	<a href="http://commons.apache.org/compress/">http://commons.apache.org/compress/</a>
<i>jakarta-commons-configuration-javadoc</i>	new	1.4	<a href="http://commons.apache.org/configuration/">http://commons.apache.org/configuration/</a>
<i>jakarta-commons-io-javadoc</i>	1.3.2	1.4	<a href="http://commons.apache.org/io/">http://commons.apache.org/io/</a>
<i>jakarta-commons-jxpath-javadoc</i>	new	1.2	<a href="http://jakarta.apache.org/commons/jxpath/">http://jakarta.apache.org/commons/jxpath/</a>



组件	老版本	新版本	上游URL
<i>jakarta-commons-net-javadoc</i>	1.4.1	2.0	<a href="http://commons.apache.org/net/">http://commons.apache.org/net/</a>
<i>jargs-javadoc</i>	new	1.0	<a href="http://jargs.sourceforge.net/">http://jargs.sourceforge.net/</a>
<i>javanotes</i>	new	5.1	<a href="http://math.hws.edu/javanotes/">http://math.hws.edu/javanotes/</a>
<i>jasqlite-javadoc</i>	20090409	20090430	<a href="http://www.ch-werner.de/jasqlite/">http://www.ch-werner.de/jasqlite/</a>
<i>jemmy-javadoc</i>	new	2.3.0.0	<a href="https://jemmy.dev.java.net">https://jemmy.dev.java.net</a>
<i>jetty-javadoc</i>	5.1.14	6.1.20	<a href="http://jetty.mortbay.org/jetty/">http://jetty.mortbay.org/jetty/</a>
<i>jetty-manual</i>	5.1.14	6.1.20	<a href="http://jetty.mortbay.org/jetty/">http://jetty.mortbay.org/jetty/</a>
<i>jide-oss-doc</i>	new	2.7.1	<a href="https://jide-oss.dev.java.net/">https://jide-oss.dev.java.net/</a>
<i>jide-oss-javadoc</i>	new	2.7.1	<a href="https://jide-oss.dev.java.net/">https://jide-oss.dev.java.net/</a>
<i>jjack-javadoc</i>	new	0.3	<a href="http://jjack.berlios.de/">http://jjack.berlios.de/</a>
<i>jorbis-javadoc</i>	new	0.0.17	<a href="http://www.jcraft.com/jorbis/index.html">http://www.jcraft.com/jorbis/index.html</a>
<i>json-javadoc</i>	new	3	<a href="http://www.json.org/java/index.html">http://www.json.org/java/index.html</a>
<i>jss-javadoc</i>	new	4.2.6	<a href="http://www.mozilla.org/projects/security/pki/jss/">http://www.mozilla.org/projects/security/pki/jss/</a>
<i>kannel-docs</i>	new	1.4.3	<a href="http://www.kannel.org/">http://www.kannel.org/</a>
<i>kaya-doc</i>	0.5.1	0.5.2	<a href="http://kayalang.org">http://kayalang.org</a>
<i>kicad-doc-de</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc-es</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc-fr</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc-hu</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc-it</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc-pt</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>

组件	老版本	新版本	上游URL
<i>kicad-doc-ru</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>kicad-doc-zh_CN</i>	new	2009.07.07	<a href="http://www.lis.inpg.fr/realise_au_lis/kicad/">http://www.lis.inpg.fr/realise_au_lis/kicad/</a>
<i>l2fprod-common-javadoc</i>	new	7.3	<a href="http://www.l2fprod.com/common/">http://www.l2fprod.com/common/</a>
<i>ldd-pdf</i>	new	3.0	<a href="http://lwn.net/Kernel/LDD3/">http://lwn.net/Kernel/LDD3/</a>
<i>libdap-doc</i>	3.8.2	3.9.3	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>libdc1394-docs</i>	2.1.0	2.1.2	<a href="http://sourceforge.net/projects/libdc1394/">http://sourceforge.net/projects/libdc1394/</a>
<i>libgpod-doc</i>	0.7.0	0.7.2	<a href="http://www.gtkpod.org/libgpod.html">http://www.gtkpod.org/libgpod.html</a>
<i>libicu-doc</i>	4.0.1	4.2.1	<a href="http://www.icu-project.org/">http://www.icu-project.org/</a>
<i>libinfinity-doc</i>	new	0.3.0	<a href="http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity">http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity</a>
<i>libkate-docs</i>	new	0.3.6	<a href="http://code.google.com/p/libkate/">http://code.google.com/p/libkate/</a>
<i>libmicrohttpd-doc</i>	0.4.0a	0.4.2	<a href="http://www.gnu.org/software/libmicrohttpd/">http://www.gnu.org/software/libmicrohttpd/</a>
<i>libpst-devel-doc</i>	0.6.36	0.6.44	<a href="http://www.five-ten-sg.com/libpst/">http://www.five-ten-sg.com/libpst/</a>
<i>libpst-doc</i>	0.6.36	0.6.44	<a href="http://www.five-ten-sg.com/libpst/">http://www.five-ten-sg.com/libpst/</a>
<i>libsigc++20-doc</i>	new	2.2.4.2	<a href="http://libsigc.sourceforge.net/">http://libsigc.sourceforge.net/</a>
<i>libsilc-doc</i>	1.1.8	1.1.10	<a href="http://www.silcnet.org/">http://www.silcnet.org/</a>
<i>libxcb-doc</i>	1.2	1.4	<a href="http://xcb.freedesktop.org/">http://xcb.freedesktop.org/</a>
<i>libxdg-basedir-doc</i>	new	1.0.2	<a href="http://n.ethz.ch/student/nevillm/download/libxdg-basedir">http://n.ethz.ch/student/nevillm/download/libxdg-basedir</a>
<i>lirc-doc</i>	0.8.5	0.8.6	<a href="http://www.lirc.org/">http://www.lirc.org/</a>
<i>loki-lib-doc</i>	0.1.6	0.1.7	<a href="http://sourceforge.net/projects/loki-lib">http://sourceforge.net/projects/loki-lib</a>
<i>magic-doc</i>	7.5.169	8.0.54	<a href="http://opencircuitdesign.com/magic/index.html">http://opencircuitdesign.com/magic/index.html</a>

组件	老版本	新版本	上游URL
<i>man-pages</i>	3.19	3.22	<a href="http://www.kernel.org/pub/linux/docs/manpages/">http://www.kernel.org/pub/linux/docs/manpages/</a>
<i>man-pages-cs</i>	0.17.20080113	0.18.20090209	<a href="http://sweb.cz/tropikhajma/man-pages-cs/index.html">http://sweb.cz/tropikhajma/man-pages-cs/index.html</a>
<i>man-pages-ja</i>	20090215	20090715	<a href="http://www.linux.or.jp/JM/">http://www.linux.or.jp/JM/</a>
<i>maven-archiver-javadoc</i>	new	2.2	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven-doxia-sitetools-javadoc</i>	new	1.0	<a href="http://maven.apache.org/doxia/">http://maven.apache.org/doxia/</a>
<i>maven-embedder-javadoc</i>	new	2.0.4	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>maven-enforcer-rule-api-javadoc</i>	new	1.0	<a href="http://svn.apache.org/repos/asf/maven/shared/tags/maven-enforcer-rule-api-1.0-alpha-2">http://svn.apache.org/repos/asf/maven/shared/tags/maven-enforcer-rule-api-1.0-alpha-2</a>
<i>maven-plugin-tools-javadoc</i>	new	2.1	<a href="http://maven.apache.org/plugin-tools/">http://maven.apache.org/plugin-tools/</a>
<i>maven-scm-javadoc</i>	1.0	1.2	<a href="http://maven.apache.org/scm">http://maven.apache.org/scm</a>
<i>maven-shared-javadoc</i>	new	8	<a href="http://maven.apache.org/shared/">http://maven.apache.org/shared/</a>
<i>maven2-plugin-shade-javadoc</i>	new	1.0	<a href="http://maven.apache.org/">http://maven.apache.org/</a>
<i>mono-tools-monodoc</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>mono-zeroconf-devel</i>	0.7.6	0.9.0	<a href="http://banshee-project.org/files/mono-zeroconf">http://banshee-project.org/files/mono-zeroconf</a>
<i>monodoc</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>monodoc-devel</i>	2.4	2.4.2.3	<a href="http://www.mono-project.com/Main_Page">http://www.mono-project.com/Main_Page</a>
<i>mrpt-doc</i>	0.6.5	0.7.1	<a href="http://babel.isa.uma.es/mrpt/">http://babel.isa.uma.es/mrpt/</a>

组件	老版本	新版本	上游URL
<i>netbeans-platform-javadoc</i>	6.5	6.7.1	<a href="http://platform.netbeans.org">http://platform.netbeans.org</a>
<i>ngspice-doc</i>	18	19	<a href="http://ngspice.sourceforge.net/">http://ngspice.sourceforge.net/</a>
<i>ntp-doc</i>	new	4.2.4p7	<a href="http://www.ntp.org">http://www.ntp.org</a>
<i>octave-doc</i>	new	3.2.3	<a href="http://www.octave.org">http://www.octave.org</a>
<i>ogre-devel-doc</i>	1.6.1	1.6.4	<a href="http://www.ogre3d.org/">http://www.ogre3d.org/</a>
<i>opengrok-javadoc</i>	0.7	0.8	<a href="http://www.opensolaris.org/os/project/opengrok/">http://www.opensolaris.org/os/project/opengrok/</a>
<i>openoffice.org-sdk-doc</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>openscada-doc</i>	new	0.6.4	<a href="http://oscada.org.ua">http://oscada.org.ua</a>
<i>openttd-docs</i>	new	0.7.3	<a href="http://www.openttd.org">http://www.openttd.org</a>
<i>openvml-doc</i>	new	0.18.3	<a href="http://openvml.org">http://openvml.org</a>
<i>orsa-common</i>	new	0.7.0	<a href="http://orsa.sourceforge.net">http://orsa.sourceforge.net</a>
<i>papyrus-doc</i>	new	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http://libpapyrus.sourceforge.net/</a>
<i>parrot-docs</i>	new	1.6.0	<a href="http://www.parrot.org/">http://www.parrot.org/</a>
<i>php-manual-en</i>	20090213	20090619	<a href="http://www.php.net/download-docs.php">http://www.php.net/download-docs.php</a>
<i>php-pear-PhpDocumentor-docs</i>	1.4.2	1.4.3	<a href="http://www.phpdoc.org/">http://www.phpdoc.org/</a>
<i>plexus-classworlds-javadoc</i>	new	1.2	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-cli-javadoc</i>	new	1.2	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-containers-component-annotations</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-containers-component-annotations-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-containers-container-default</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-containers-container-default-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-digest-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-mail-sender-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>

组件	老版本	新版本	上游URL
<i>plexus-naming-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-registry-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-resources-javadoc</i>	new	1.0	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>plexus-utils-javadoc</i>	1.2	1.4.5	<a href="http://plexus.codehaus.org/">http://plexus.codehaus.org/</a>
<i>pod sleuth-devel</i>	0.6.3	0.6.4	<a href="http://banshee-project.org/PodSleuth">http://banshee-project.org/PodSleuth</a>
<i>potrace-doc</i>	new	1.8	<a href="http://potrace.sourceforge.net">http://potrace.sourceforge.net</a>
<i>ppl-docs</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-java-javadoc</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>ppl-pwl-docs</i>	0.10.1	0.10.2	<a href="http://www.cs.unipr.it/ppl/">http://www.cs.unipr.it/ppl/</a>
<i>proguard-manual</i>	new	4.4	<a href="http://proguard.sourceforge.net">http://proguard.sourceforge.net</a>
<i>publican-doc</i>	0.44	1.1	<a href="https://publican.fedorahosted.org">https://publican.fedorahosted.org</a>
<i>python-docs</i>	2.6	2.6.2	<a href="http://www.python.org/">http://www.python.org/</a>
<i>python-kiwi-docs</i>	1.9.23	1.9.25	<a href="http://www.async.com.br/projects/kiwi/">http://www.async.com.br/projects/kiwi/</a>
<i>python-psycopg2-doc</i>	2.0.9	2.0.13	<a href="http://www.initd.org/software/initd/psycopg">http://www.initd.org/software/initd/psycopg</a>
<i>python-repoze-what-docs</i>	new	1.0.8	<a href="http://pypi.python.org/pypi/repoze.what">http://pypi.python.org/pypi/repoze.what</a>
<i>python-simpy-doc</i>	2.0	2.0.1	<a href="http://simpy.sourceforge.net">http://simpy.sourceforge.net</a>
<i>python-sphinx-doc</i>	0.5.1	0.6.3	<a href="http://sphinx.pocoo.org/">http://sphinx.pocoo.org/</a>
<i>python-werkzeug-doc</i>	new	0.5.1	<a href="http://werkzeug.pocoo.org/">http://werkzeug.pocoo.org/</a>
<i>qpid-devel-docs</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qt-demos</i>	new	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qt-doc</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qt-examples</i>	new	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>

组件	老版本	新版本	上游URL
<i>rmol-doc</i>	0.19.0	0.23.0	<a href="http://rmol.sourceforge.net">http:// rmol.sourceforge.net</a>
<i>rpm-apidocs</i>	4.7.0	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rrdtool-doc</i>	1.3.7	1.3.8	<a href="http://oss.oetiker.ch/rrdtool/">http://oss.oetiker.ch/ rrdtool/</a>
<i>ruby-RMagick-doc</i>	2.9.1	2.12.2	<a href="http://rmagick.rubyforge.org/">http:// rmagick.rubyforge.org/</a>
<i>ruby-aws-doc</i>	0.5.1	0.7.0	<a href="http://www.caliban.org/ruby/ruby-aws/">http://www.caliban.org/ ruby/ruby-aws/</a>
<i>ruby-docs</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby- lang.org/</a>
<i>ruby-openid-doc</i>	2.1.4	2.1.7	<a href="http://openidenabled.com/ruby-openid/">http:// openidenabled.com/ ruby-openid/</a>
<i>ruby-ri</i>	1.8.6.287	1.8.6.383	<a href="http://www.ruby-lang.org/">http://www.ruby- lang.org/</a>
<i>rubygem-allison-doc</i>	new	2.0.3	<a href="http://github.com/fauna/allison/tree/master">http://github.com/fauna/ allison/tree/master</a>
<i>rubygem-ferret-doc</i>	new	0.11.6	<a href="http://rubyforge.org/projects/ferret/">http://rubyforge.org/ projects/ferret/</a>
<i>rubygem-flexmock-doc</i>	new	0.8.6	<a href="http://flexmock.rubyforge.org">http:// flexmock.rubyforge.org</a>
<i>rubygem-gettext-doc</i>	2.0.0	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext">http:// www.yotabanana.com/ hiki/ruby-gettext.html? ruby-gettext</a>
<i>rubygem-gettext_activerecord-doc</i>	new	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext-rails.html">http:// www.yotabanana.com/ hiki/ruby-gettext- rails.html</a>
<i>rubygem-gettext_rails-doc</i>	new	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-gettext-rails.html">http:// www.yotabanana.com/ hiki/ruby-gettext- rails.html</a>
<i>rubygem-json-doc</i>	new	1.1.7	<a href="http://json.rubyforge.org">http:// json.rubyforge.org</a>
<i>rubygem-locale-doc</i>	2.0.0	2.0.4	<a href="http://locale.rubyforge.org/">http:// locale.rubyforge.org/</a>
<i>rubygem-locale_rails-doc</i>	new	2.0.4	<a href="http://www.yotabanana.com/hiki/ruby-locale-rails.html">http:// www.yotabanana.com/ hiki/ruby-locale- rails.html</a>

组件	老版本	新版本	上游URL
<i>rubygem-mechanize-doc</i>	0.9.2	0.9.3	<a href="http://mechanize.rubyforge.org/">http://mechanize.rubyforge.org/</a>
<i>rubygem-mkrf-doc</i>	new	0.2.3	<a href="http://mkrf.rubyforge.org/">http://mkrf.rubyforge.org/</a>
<i>rubygem-nokogiri-doc</i>	1.2.3	1.3.3	<a href="http://nokogiri.rubyforge.org/nokogiri/">http://nokogiri.rubyforge.org/nokogiri/</a>
<i>rubygem-rake-compiler-doc</i>	new	0.6.0	<a href="http://rake-compiler.rubyforge.org/">http://rake-compiler.rubyforge.org/</a>
<i>rubygem-ruby-opengl-doc</i>	new	0.60.1	<a href="http://ruby-opengl.rubyforge.org/">http://ruby-opengl.rubyforge.org/</a>
<i>samba-doc</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>saxpath-javadoc</i>	new	1.0	<a href="http://sourceforge.net/projects/saxpath/">http://sourceforge.net/projects/saxpath/</a>
<i>scala-apidoc</i>	2.7.3	2.7.5	<a href="http://www.scala-lang.org/">http://www.scala-lang.org/</a>
<i>scidavis-manual</i>	0.2.1	0.2.3	<a href="http://scidavis.sourceforge.net/">http://scidavis.sourceforge.net/</a>
<i>scim-doc</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>soci-doc</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>speech-dispatcher-doc</i>	0.6.6	0.6.7	<a href="http://www.freebsoft.org/pub/projects/speechd/">http://www.freebsoft.org/pub/projects/speechd/</a>

表 48. 文档的所有更新

组件	老版本	新版本	上游URL
<i>sqlite-doc</i>	new	3.6.17	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<i>stxxl-doc</i>	new	1.2.1	<a href="http://stxxl.sourceforge.net">http://stxxl.sourceforge.net</a>
<i>suitesparse-doc</i>	new	3.4.0	<a href="http://www.cise.ufl.edu/research/sparse/SuiteSparse">http://www.cise.ufl.edu/research/sparse/SuiteSparse</a>
<i>synopsis-doc</i>	0.11	0.12	<a href="http://synopsis.fresco.org">http://synopsis.fresco.org</a>
<i>system-config-date-docs</i>	1.0.7	1.0.8	<a href="https://fedorahosted.org/system-config-date-docs">https://fedorahosted.org/system-config-date-docs</a>
<i>system-config-nfs-docs</i>	1.0.6	1.0.7	<a href="https://fedorahosted.org/system-config-nfs-docs">https://fedorahosted.org/system-config-nfs-docs</a>

组件	老版本	新版本	上游URL
<i>system-config-samba-docs</i>	1.0.6	1.0.7	<a href="https://fedorahosted.org/system-config-samba-docs">https://fedorahosted.org/system-config-samba-docs</a>
<i>system-config-services-docs</i>	1.1.6	1.1.7	<a href="https://fedorahosted.org/system-config-services-docs">https://fedorahosted.org/system-config-services-docs</a>
<i>system-config-users-docs</i>	1.0.6	1.0.7	<a href="https://fedorahosted.org/system-config-users-docs">https://fedorahosted.org/system-config-users-docs</a>
<i>tachyon-docs</i>	0.98.1	0.98.7	<a href="http://jedi.ks.uiuc.edu/~johns/raytracer/">http://jedi.ks.uiuc.edu/~johns/raytracer/</a>
<i>taglib-doc</i>	new	1.6	<a href="http://developer.kde.org/~wheeler/taglib.html">http://developer.kde.org/~wheeler/taglib.html</a>
<i>tcl-html</i>	8.5.6	8.5.7	<a href="http://tcl.sourceforge.net/">http://tcl.sourceforge.net/</a>
<i>testdisk-doc</i>	6.10	6.11	<a href="http://www.cgsecurity.org/wiki/TestDisk">http://www.cgsecurity.org/wiki/TestDisk</a>
<i>toot2-javadoc</i>	new	3	<a href="http://toot.org.uk/index.html">http://toot.org.uk/index.html</a>
<i>tootudioservers-javadoc</i>	new	3	<a href="http://code.google.com/p/tootudioservers/">http://code.google.com/p/tootudioservers/</a>
<i>triton-us-javadoc</i>	new	0.3.7	<a href="http://www.triton-us.org/">http://www.triton-us.org/</a>
<i>ucommon-doc</i>	new	2.0.5	<a href="http://www.gnu.org/software/commoncpp">http://www.gnu.org/software/commoncpp</a>
<i>vala-doc</i>	0.5.7	0.7.5	<a href="http://live.gnome.org/Vala">http://live.gnome.org/Vala</a>
<i>vidalia-doc</i>	new	0.1.15	<a href="https://www.torproject.org/vidalia/">https://www.torproject.org/vidalia/</a>
<i>vips-doc</i>	7.16.4	7.18.2	<a href="http://www.vips.ecs.soton.ac.uk/">http://www.vips.ecs.soton.ac.uk/</a>
<i>virtuoso-opensource-doc</i>	new	5.0.12	<a href="http://virtuoso.sourceforge.net/">http://virtuoso.sourceforge.net/</a>
<i>webkitgtk-doc</i>	1.1.4	1.1.15.3	<a href="http://www.webkitgtk.org/">http://www.webkitgtk.org/</a>
<i>xemacs-info</i>	21.5.28	21.5.29	<a href="http://www.xemacs.org/">http://www.xemacs.org/</a>
<i>xen-doc</i>	new	3.4.1	<a href="http://xen.org/">http://xen.org/</a>
<i>xgridfit-doc</i>	1.17	1.19	<a href="http://xgridfit.sf.net/">http://xgridfit.sf.net/</a>



组件	老版本	新版本	上游URL
<i>xmms2-docs</i>	0.5	0.6	<a href="http://wiki.xmms2.xmms.se/">http://wiki.xmms2.xmms.se/</a>
<i>xsd-doc</i>	new	3.2.0	<a href="http://www.codesynthesis.com/products/xsd/">http://www.codesynthesis.com/products/xsd/</a>
<i>zabbix-docs</i>	1.6.4	1.6.6	<a href="http://www.zabbix.com/">http://www.zabbix.com/</a>

表 49. All Documentation changes (cont'd)

已更改软件包	249
未更改软件包	219
软件包总数	468

## 8.6. Sugar-活动

组件	老版本	新版本	上游URL
<i>sugar-browse</i>	108	114	<a href="http://wiki.laptop.org/go/Browse">http://wiki.laptop.org/go/Browse</a>
<i>sugar-calculator</i>	28	30	<a href="http://wiki.laptop.org/go/Calculate">http://wiki.laptop.org/go/Calculate</a>
<i>sugar-chat</i>	65	66	<a href="http://wiki.laptop.org/go/Chat">http://wiki.laptop.org/go/Chat</a>
<i>sugar-clock</i>	0	5	<a href="http://wiki.laptop.org/go/Clock">http://wiki.laptop.org/go/Clock</a>
<i>sugar-finance</i>	0	3	<a href="http://wiki.laptop.org/go/Finance">http://wiki.laptop.org/go/Finance</a>
<i>sugar-flipsticks</i>	new	2	<a href="http://wiki.sugarlabs.org/go/Activities/Flip_Sticks">http://wiki.sugarlabs.org/go/Activities/Flip_Sticks</a>
<i>sugar-help</i>	7	10	<a href="http://wiki.laptop.org/go/Help_(activity)">http://wiki.laptop.org/go/Help_(activity)</a>
<i>sugar-imageviewer</i>	7	14	<a href="http://wiki.laptop.org/go/Image_Viewer">http://wiki.laptop.org/go/Image_Viewer</a>
<i>sugar-infoslicer</i>	new	5.1	<a href="http://sugarlabs.org/go/Activities/InfoSlicer">http://sugarlabs.org/go/Activities/InfoSlicer</a>
<i>sugar-jukebox</i>	8	11	<a href="http://wiki.laptop.org/go/Jukebox">http://wiki.laptop.org/go/Jukebox</a>
<i>sugar-log</i>	18	23	<a href="http://wiki.laptop.org/go/Log">http://wiki.laptop.org/go/Log</a>
<i>sugar-memorize</i>	29	33	<a href="http://wiki.sugarlabs.org/go/Activities/Memorize">http://wiki.sugarlabs.org/go/Activities/Memorize</a>
<i>sugar-moon</i>	9	10	<a href="http://wiki.laptop.org/go/Moon">http://wiki.laptop.org/go/Moon</a>

组件	老版本	新版本	上游URL
<i>sugar-pippy</i>	25	34	<a href="http://wiki.laptop.org/go/Pippy">http://wiki.laptop.org/go/Pippy</a>
<i>sugar-read</i>	66	76	<a href="http://wiki.laptop.org/go/Read">http://wiki.laptop.org/go/Read</a>
<i>sugar-record</i>	new	64	<a href="http://wiki.laptop.org/go/Record">http://wiki.laptop.org/go/Record</a>
<i>sugar-stopwatch</i>	new	0	<a href="http://wiki.laptop.org/go/Stopwatch">http://wiki.laptop.org/go/Stopwatch</a>
<i>sugar-terminal</i>	25	28	<a href="http://wiki.laptop.org/go/Terminal">http://wiki.laptop.org/go/Terminal</a>
<i>sugar-turtleart</i>	41	72	<a href="http://sugarlabs.org/go/Activities/Turtle_Art">http://sugarlabs.org/go/Activities/Turtle_Art</a>
<i>sugar-write</i>	63	68	<a href="http://wiki.sugarlabs.org/go/Activities/Write">http://wiki.sugarlabs.org/go/Activities/Write</a>

表 50. Sugar-Activities的所有变更

已更改软件包	20
未更改软件包	8
软件包总数	28

## 8.7. 系统环境

### 8.7.1. 系统环境-基础

组件	老版本	新版本	上游URL
<i>GConf2</i>	2.26.0	2.28.0	<a href="http://projects.gnome.org/gconf/">http://projects.gnome.org/gconf/</a>
<i>GConf2-gtk</i>	2.26.0	2.28.0	<a href="http://projects.gnome.org/gconf/">http://projects.gnome.org/gconf/</a>
<i>ModemManager</i>	new	0.2	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>NetworkManager</i>	0.7.1	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>NetworkManager-openconnect</i>	0.7.0.99	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>

组件	老版本	新版本	上游URL
<i>NetworkManager-openvpn</i>	0.7.0.99	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>NetworkManager-pptp</i>	0.7.0.99	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>NetworkManager-vpnc</i>	0.7.0.99	0.7.996	<a href="http://www.gnome.org/projects/NetworkManager/">http://www.gnome.org/projects/NetworkManager/</a>
<i>PackageKit-cron</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-yum-plugin</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PolicyKit-olpc</i>	1.2	dropped	<a href="http://www.laptop.org">http://www.laptop.org</a>
<i>adjtimex</i>	1.26	1.27.1	n/a
<i>amtu</i>	1.0.6	1.0.8	<a href="http://sourceforge.net/projects/amtueal/">http://sourceforge.net/projects/amtueal/</a>
<i>appliance-tools</i>	004	004.4	<a href="http://git.et.redhat.com/?p=act.git">http://git.et.redhat.com/?p=act.git</a>
<i>authconfig</i>	5.4.10	5.4.13	<a href="https://fedorahosted.org/authconfig">https://fedorahosted.org/authconfig</a>
<i>authconfig-gtk</i>	5.4.10	5.4.13	<a href="https://fedorahosted.org/authconfig">https://fedorahosted.org/authconfig</a>
<i>b43-fwcuter</i>	011	012	<a href="http://bu3sch.de/b43/fwcuter/">http://bu3sch.de/b43/fwcuter/</a>
<i>b43-tools</i>	new	0	<a href="http://bu3sch.de/gitweb?p=b43-tools.git;a=summary">http://bu3sch.de/gitweb?p=b43-tools.git;a=summary</a>
<i>bitfrost</i>	new	1.0.1	<a href="http://dev.laptop.org/git/projects/bitfrost">http://dev.laptop.org/git/projects/bitfrost</a>
<i>btrfs-progs</i>	0.18	0.19	<a href="http://btrfs.wiki.kernel.org/index.php/Main_Page">http://btrfs.wiki.kernel.org/index.php/Main_Page</a>
<i>ca-certificates</i>	2008	2009	<a href="http://www.mozilla.org/">http://www.mozilla.org/</a>
<i>chkconfig</i>	1.3.42	1.3.44	n/a
<i>chunkd</i>	new	0.4	<a href="http://hail.wiki.kernel.org/">http://hail.wiki.kernel.org/</a>
<i>cld</i>	new	0.2.1	<a href="http://hail.wiki.kernel.org/">http://hail.wiki.kernel.org/</a>

组件	老版本	新版本	上游URL
<i>cluster-cim</i>	0.16.0	0.16.1	<a href="http://sources.redhat.com/cluster/conga">http://sources.redhat.com/cluster/conga</a>
<i>cluster-glue</i>	new	1.0	<a href="http://www.clusterlabs.org">http://www.clusterlabs.org</a>
<i>cluster-snmp</i>	0.16.0	0.16.1	<a href="http://sources.redhat.com/cluster/conga">http://sources.redhat.com/cluster/conga</a>
<i>cman</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>conntrack-tools</i>	0.9.9	0.9.12	<a href="http://netfilter.org">http://netfilter.org</a>
<i>coreutils</i>	7.2	7.6	<a href="http://www.gnu.org/software/coreutils/">http://www.gnu.org/software/coreutils/</a>
<i>corosync</i>	0.95	1.1.2	<a href="http://www.openais.org">http://www.openais.org</a>
<i>crda</i>	1.0.1_2009.03.09	1.1.0_2009.09.08	<a href="http://www.linuxwireless.org/en/developers/Regulatory/CRDA">http://www.linuxwireless.org/en/developers/Regulatory/CRDA</a>
<i>createrepo</i>	0.9.7	0.9.8	<a href="http://createrepo.baseurl.org/">http://createrepo.baseurl.org/</a>
<i>cronie</i>	1.2	1.4.3	<a href="https://fedorahosted.org/cronie">https://fedorahosted.org/cronie</a>
<i>cronie-anacron</i>	new	1.4.3	<a href="https://fedorahosted.org/cronie">https://fedorahosted.org/cronie</a>
<i>debugmode</i>	8.95	9.02	<a href="http://fedorahosted.org/releases/i/n/initscripts/">http://fedorahosted.org/releases/i/n/initscripts/</a>
<i>deltaiso</i>	new	3.5	<a href="http://gitorious.org/deltarpm/deltarpm">http://gitorious.org/deltarpm/deltarpm</a>
<i>deltarpm</i>	3.4	3.5	<a href="http://gitorious.org/deltarpm/deltarpm">http://gitorious.org/deltarpm/deltarpm</a>
<i>device-mapper</i>	1.02.31	1.02.38	<a href="http://sources.redhat.com/dm">http://sources.redhat.com/dm</a>
<i>device-mapper-multipath</i>	0.4.8	0.4.9	<a href="http://christophe.varoqui.free.fr/">http://christophe.varoqui.free.fr/</a>
<i>dhclient</i>	4.1.0	4.1.0p1	<a href="http://isc.org/products/DHCP/">http://isc.org/products/DHCP/</a>
<i>dhcpcv6-client</i>	1.2.0	dropped	<a href="http://fedorahosted.org/dhcpcv6/">http://fedorahosted.org/dhcpcv6/</a>
<i>dkms</i>	2.0.19.1	2.1.0.1	<a href="http://linux.dell.com/dkms">http://linux.dell.com/dkms</a>

组件	老版本	新版本	上游URL
<i>dmraid</i>	1.0.0.rc15	1.0.0.rc16	<a href="http://people.redhat.com/heinzm/sw/dmraid">http://people.redhat.com/heinzm/sw/dmraid</a>
<i>dracut</i>	new	002	<a href="http://apps.sourceforge.net/trac/dracut/wiki">http://apps.sourceforge.net/trac/dracut/wiki</a>
<i>dracut-generic</i>	new	002	<a href="http://apps.sourceforge.net/trac/dracut/wiki">http://apps.sourceforge.net/trac/dracut/wiki</a>
<i>dracut-kernel</i>	new	002	<a href="http://apps.sourceforge.net/trac/dracut/wiki">http://apps.sourceforge.net/trac/dracut/wiki</a>
<i>dracut-modules-olpc</i>	new	0.2.1	<a href="http://dev.laptop.org/git/users/dsd/dracut-modules-olpc">http://dev.laptop.org/git/users/dsd/dracut-modules-olpc</a>
<i>dracut-network</i>	new	002	<a href="http://apps.sourceforge.net/trac/dracut/wiki">http://apps.sourceforge.net/trac/dracut/wiki</a>
<i>dracut-tools</i>	new	002	<a href="http://apps.sourceforge.net/trac/dracut/wiki">http://apps.sourceforge.net/trac/dracut/wiki</a>
<i>drpmsync</i>	3.4	3.5	<a href="http://gitorious.org/deltarpm/deltarpm">http://gitorious.org/deltarpm/deltarpm</a>
<i>e2fsprogs</i>	1.41.4	1.41.9	<a href="http://e2fsprogs.sourceforge.net/">http://e2fsprogs.sourceforge.net/</a>
<i>ebtables</i>	2.0.8	2.0.9	<a href="http://ebtables.sourceforge.net/">http://ebtables.sourceforge.net/</a>
<i>eclipse-setools</i>	3.3.2.4	3.3.5.1	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>ecryptfs-utils</i>	73	81	<a href="https://launchpad.net/ecryptfs">https://launchpad.net/ecryptfs</a>
<i>ecryptfs-utils-devel</i>	73	81	<a href="https://launchpad.net/ecryptfs">https://launchpad.net/ecryptfs</a>
<i>ecryptfs-utils-python</i>	73	81	<a href="https://launchpad.net/ecryptfs">https://launchpad.net/ecryptfs</a>
<i>environment-modules</i>	3.2.6	3.2.7b	<a href="http://modules.sourceforge.net/">http://modules.sourceforge.net/</a>
<i>facter</i>	1.5.4	1.5.7	<a href="http://reductivelabs.com/projects/facter">http://reductivelabs.com/projects/facter</a>
<i>fedora-logos</i>	11.0.6	12.0.3	<a href="http://git.fedorahosted.org/git/fedora-logos.git/">http://git.fedorahosted.org/git/fedora-logos.git/</a>

组件	老版本	新版本	上游URL
<i>fedora-package-config-apt</i>	11	11.89	<a href="http://fedoraproject.org/">http://fedoraproject.org/</a>
<i>fedora-package-config-smart</i>	11	11.89	<a href="http://fedoraproject.org/">http://fedoraproject.org/</a>
<i>fedora-release</i>	11	12	<a href="http://fedoraproject.org/">http://fedoraproject.org</a>
<i>fedora-release-notes</i>	11.0.0	12.0.0	<a href="http://fedoraproject.org/wiki/Documentation_Beats">http://fedoraproject.org/wiki/Documentation_Beats</a>
<i>fence-agents</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>filesystem</i>	2.4.21	2.4.30	<a href="https://fedorahosted.org/filesystem">https://fedorahosted.org/filesystem</a>
<i>firstboot</i>	1.106	1.110	<a href="http://fedoraproject.org/wiki/FirstBoot">http://fedoraproject.org/wiki/FirstBoot</a>
<i>foomatic-db-filesystem</i>	new	4.0	<a href="http://www.openprinting.org">http://www.openprinting.org</a>
<i>fuse</i>	2.7.4	2.8.1	<a href="http://fuse.sf.net">http://fuse.sf.net</a>
<i>generic-logos</i>	11.0.1	12.2	n/a
<i>generic-release</i>	11	11.90	n/a
<i>generic-release-notes</i>	11	11.90	n/a
<i>glibc-common</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>grubby</i>	6.0.86	7.0.8	<a href="http://git.fedorahosted.org/git/grubby.git">http://git.fedorahosted.org/git/grubby.git</a>
<i>gutenprint</i>	5.2.3	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp-print.sourceforge.net/</a>
<i>gutenprint-plugin</i>	5.2.3	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp-print.sourceforge.net/</a>
<i>hmacalc</i>	0.9.6	0.9.11	<a href="https://fedorahosted.org/hmacalc/">https://fedorahosted.org/hmacalc/</a>
<i>initscripts</i>	8.95	9.02	<a href="http://fedorahosted.org/releases/i/n/initscripts/">http://fedorahosted.org/releases/i/n/initscripts/</a>
<i>ipa-admintools</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>
<i>ipa-client</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>
<i>ipa-radius-admintools</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>
<i>ipa-radius-server</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>
<i>ipa-server</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>

组件	老版本	新版本	上游URL
<i>ipa-server-selinux</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>
<i>ipsec-tools</i>	0.7.1	0.7.3	<a href="http://ipsec-tools.sourceforge.net/">http://ipsec-tools.sourceforge.net/</a>
<i>iptables</i>	1.4.3.1	1.4.5	<a href="http://www.netfilter.org/">http://www.netfilter.org/</a>
<i>iptables-devel</i>	1.4.3.1	1.4.5	<a href="http://www.netfilter.org/">http://www.netfilter.org/</a>
<i>iptables-ipv6</i>	1.4.3.1	1.4.5	<a href="http://www.netfilter.org/">http://www.netfilter.org/</a>
<i>iscan-firmware</i>	2.1.0	2.1.1	<a href="http://www.avasys.jp/english/linux_e/index.html">http://www.avasys.jp/english/linux_e/index.html</a>
<i>iso-codes</i>	3.7	3.11	<a href="http://alioth.debian.org/projects/pkg-isocodes/">http://alioth.debian.org/projects/pkg-isocodes/</a>
<i>iw</i>	0.9.11	0.9.17	<a href="http://www.linuxwireless.org/en/users/Documentation/iw">http://www.linuxwireless.org/en/users/Documentation/iw</a>
<i>kde-settings</i>	4.2	4.3	<a href="http://fedorahosted.org/kde-settings">http://fedorahosted.org/kde-settings</a>
<i>kde-settings-kdm</i>	4.2	4.3	<a href="http://fedorahosted.org/kde-settings">http://fedorahosted.org/kde-settings</a>
<i>kde-settings-pulseaudio</i>	4.2	4.3	<a href="http://fedorahosted.org/kde-settings">http://fedorahosted.org/kde-settings</a>
<i>kerneloops</i>	0.12	dropped	<a href="http://www.kerneloops.org">http://www.kerneloops.org</a>
<i>kpartx</i>	0.4.8	0.4.9	<a href="http://christophe.varoqui.free.fr/">http://christophe.varoqui.free.fr/</a>
<i>krb5-workstation</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>krb5-workstation-clients</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>krb5-workstation-servers</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>ladvd-selinux</i>	0.6.1	0.8	<a href="http://www.blinkenlights.nl/software/ladvd/">http://www.blinkenlights.nl/software/ladvd/</a>
<i>libuser</i>	0.56.9	0.56.12	<a href="https://fedorahosted.org/libuser/">https://fedorahosted.org/libuser/</a>
<i>livecd-tools</i>	024	031	<a href="http://git.fedorahosted.org/git/livecd">http://git.fedorahosted.org/git/livecd</a>
<i>ltspfs</i>	0.5.8	0.5.13	<a href="https://code.launchpad.net/ltspfs">https://code.launchpad.net/ltspfs</a>

组件	老版本	新版本	上游URL
<i>ltspfsd</i>	0.5.8	0.5.13	<a href="https://code.launchpad.net/ltspfs">https://code.launchpad.net/ltspfs</a>
<i>lvm2</i>	2.02.45	2.02.53	<a href="http://sources.redhat.com/lvm2">http://sources.redhat.com/lvm2</a>
<i>lvm2-cluster</i>	2.02.45	2.02.53	<a href="http://sources.redhat.com/lvm2">http://sources.redhat.com/lvm2</a>
<i>mailcap</i>	2.1.29	2.1.30	<a href="http://git.fedoraproject.org/git/mailcap.git">http://git.fedoraproject.org/git/mailcap.git</a>
<i>mdadm</i>	3.0	3.0.2	<a href="http://www.kernel.org/pub/linux/utils/raid/mdadm/">http://www.kernel.org/pub/linux/utils/raid/mdadm/</a>
<i>media-player-info</i>	new	3	<a href="http://cgit.freedesktop.org/~teuf/media-player-id/">http://cgit.freedesktop.org/~teuf/media-player-id/</a>
<i>memcached-selinux</i>	1.2.6	1.4.1	<a href="http://www.danga.com/memcached/">http://www.danga.com/memcached/</a>
<i>memtest86+</i>	2.11	4.00	<a href="http://www.memtest.org">http://www.memtest.org</a>
<i>memtester</i>	4.0.8	4.1.2	<a href="http://pyropus.ca/software/memtester/">http://pyropus.ca/software/memtester/</a>
<i>microcode_ctl</i>	new	1.17	<a href="http://www.urbanmyth.org/microcode/">http://www.urbanmyth.org/microcode/</a>
<i>mkinitrd</i>	6.0.86	6.0.93	<a href="git://git.fedoraproject.org/git/hosted/mkinitrd">git://git.fedoraproject.org/git/hosted/mkinitrd</a>
<i>mobile-broadband-provider-info</i>	new	1.20090918	<a href="http://live.gnome.org/NetworkManager/MobileBroadband/ServiceProviders">http://live.gnome.org/NetworkManager/MobileBroadband/ServiceProviders</a>
<i>modcluster</i>	0.16.0	0.16.1	<a href="http://sources.redhat.com/cluster/conga">http://sources.redhat.com/cluster/conga</a>
<i>monitor-edid</i>	2.0	2.4	<a href="http://wiki.mandriva.com/en/Tools/monitor-edid">http://wiki.mandriva.com/en/Tools/monitor-edid</a>
<i>mrepo</i>	new	0.8.6	<a href="http://dag.wieers.com/home-made/mrepo/">http://dag.wieers.com/home-made/mrepo/</a>
<i>nash</i>	6.0.86	6.0.93	<a href="git://git.fedoraproject.org/git/hosted/mkinitrd">git://git.fedoraproject.org/git/hosted/mkinitrd</a>



组件	老版本	新版本	上游URL
<i>nilfs-utils</i>	new	2.0.14	<a href="http://www.nilfs.org">http://www.nilfs.org</a>
<i>nss-ldapd</i>	new	0.6.11	<a href="http://arthurdejong.org/nss-ldapd/">http://arthurdejong.org/nss-ldapd/</a>
<i>nss-softokn-freebl</i>	3.12.3	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>
<i>nss-tools</i>	3.12.3	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/projects/security/pki/nss/</a>
<i>ntsysv</i>	1.3.42	1.3.44	n/a
<i>numactl</i>	2.0.2	2.0.3	<a href="ftp://oss.sgi.com/www/projects/libnuma/download">ftp://oss.sgi.com/www/projects/libnuma/download</a>
<i>obexfs</i>	0.11	0.12	<a href="http://openobex.triq.net/">http://openobex.triq.net/</a>
<i>ocfs2-tools</i>	1.3.9	1.4.3	<a href="http://oss.oracle.com/projects/ocfs2-tools/">http://oss.oracle.com/projects/ocfs2-tools/</a>
<i>ocfs2-tools-cman</i>	new	1.4.3	<a href="http://oss.oracle.com/projects/ocfs2-tools/">http://oss.oracle.com/projects/ocfs2-tools/</a>
<i>ocfs2-tools-pcmk</i>	new	1.4.3	<a href="http://oss.oracle.com/projects/ocfs2-tools/">http://oss.oracle.com/projects/ocfs2-tools/</a>
<i>olpc-contents</i>	new	2.6	<a href="http://dev.laptop.org/git/users/cscott/olpc-contents">http://dev.laptop.org/git/users/cscott/olpc-contents</a>
<i>olpc-kbdshim</i>	new	7	<a href="http://dev.laptop.org/git/users/pgf/olpc-kbdshim/tree/README">http://dev.laptop.org/git/users/pgf/olpc-kbdshim/tree/README</a>
<i>olpc-powerd</i>	new	10	<a href="http://dev.laptop.org/git/users/pgf/powerd/tree/powerd">http://dev.laptop.org/git/users/pgf/powerd/tree/powerd</a>
<i>olpc-switch-desktop</i>	new	0.6	<a href="http://dev.laptop.org/git/users/dsd/olpc-switch-desktop">http://dev.laptop.org/git/users/dsd/olpc-switch-desktop</a>
<i>olpc-update</i>	new	2.20	<a href="http://dev.laptop.org/git/projects/olpc-update">http://dev.laptop.org/git/projects/olpc-update</a>
<i>olpc-utils</i>	0.89	1.0.3	<a href="http://dev.laptop.org/git?p=projects/olpc-utils;a=summary">http://dev.laptop.org/git?p=projects/olpc-utils;a=summary</a>
<i>openais</i>	0.94	1.1.0	<a href="http://developer.osdl.org/dev/openais/">http://developer.osdl.org/dev/openais/</a>
<i>opencryptoki</i>	new	2.3.0	<a href="http://sourceforge.net/projects/opencryptoki">http://sourceforge.net/projects/opencryptoki</a>

组件	老版本	新版本	上游URL
<i>osr-dracut-module</i>	new	0.8	<a href="http://www.open-sharedroot.org/development/osr-dracut-module/">http://www.open-sharedroot.org/development/osr-dracut-module/</a>
<i>osr-dracut-module-chroot</i>	new	0.8	<a href="http://www.open-sharedroot.org/development/osr-dracut-module/">http://www.open-sharedroot.org/development/osr-dracut-module/</a>
<i>osr-dracut-module-cluster</i>	new	0.8	<a href="http://www.open-sharedroot.org/development/osr-dracut-module/">http://www.open-sharedroot.org/development/osr-dracut-module/</a>
<i>pam</i>	1.0.91	1.1.0	<a href="http://www.us.kernel.org/pub/linux/libs/pam/index.html">http://www.us.kernel.org/pub/linux/libs/pam/index.html</a>
<i>pam_ccreds</i>	7	10	<a href="http://www.padl.com/OSS/pam_ccreds.html">http://www.padl.com/OSS/pam_ccreds.html</a>
<i>pam_krb5</i>	2.3.4	2.3.7	<a href="https://fedorahosted.org/pam_krb5/">https://fedorahosted.org/pam_krb5/</a>
<i>pam_mount</i>	1.22	1.32	<a href="http://pam-mount.sourceforge.net/">http://pam-mount.sourceforge.net/</a>
<i>pam_ssh</i>	1.92	1.97	<a href="http://sourceforge.net/projects/pam-ssh/">http://sourceforge.net/projects/pam-ssh/</a>
<i>pam_yubico</i>	new	2.1	<a href="http://yubico-pam.googlecode.com/">http://yubico-pam.googlecode.com/</a>
<i>passwd</i>	0.76	0.77	<a href="http://fedorahosted.org/passwd">http://fedorahosted.org/passwd</a>
<i>pdsh-mod-nodeupdown</i>	new	2.18	<a href="http://sourceforge.net/projects/pdsh/">http://sourceforge.net/projects/pdsh/</a>
<i>plymouth</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-plugin-fade-throbber</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-plugin-label</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-plugin-script</i>	new	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>

组件	老版本	新版本	上游URL
<i>plymouth-plugin-space-flares</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-plugin-throbgress</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-plugin-two-step</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-system-theme</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-theme-charge</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-theme-fade-in</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-theme-script</i>	new	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-theme-solar</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>plymouth-theme-spinfinity</i>	0.7.0	0.8.0	<a href="http://freedesktop.org/software/plymouth/releases">http://freedesktop.org/software/plymouth/releases</a>
<i>pmount</i>	0.9.17	0.9.20	<a href="http://pmount.alioth.debian.org/">http://pmount.alioth.debian.org/</a>
<i>policycoreutils</i>	2.0.62	2.0.74	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>policycoreutils-gui</i>	2.0.62	2.0.74	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>policycoreutils-newrole</i>	2.0.62	2.0.74	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>policycoreutils-python</i>	2.0.62	2.0.74	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>policycoreutils-sandbox</i>	new	2.0.74	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>prelink</i>	0.4.0	0.4.2	n/a
<i>preupgrade</i>	1.0.1	1.1.0	<a href="https://fedorahosted.org/preupgrade/">https://fedorahosted.org/preupgrade/</a>

组件	老版本	新版本	上游URL
<i>python-deltarpm</i>	new	3.5	<a href="http://gitorious.org/deltarpm/deltarpm">http://gitorious.org/deltarpm/deltarpm</a>
<i>python-imgcreate</i>	024	031	<a href="http://git.fedorahosted.org/git/livecd">http://git.fedorahosted.org/git/livecd</a>
<i>readahead</i>	1.4.9	1.5.4	<a href="https://fedorahosted.org/readahead/">https://fedorahosted.org/readahead/</a>
<i>resource-agents</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>rgmanager</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>ricci</i>	0.16.0	0.16.1	<a href="http://sources.redhat.com/cluster/conga/">http://sources.redhat.com/cluster/conga/</a>
<i>rpm</i>	4.7.0	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rpm-cron</i>	new	4.7.1	<a href="http://www.rpm.org/">http://www.rpm.org/</a>
<i>rtkit</i>	new	0.4	<a href="http://git.0pointer.de/?p=rtkit.git">http://git.0pointer.de/?p=rtkit.git</a>
<i>selinux-policy</i>	3.6.12	3.6.32	<a href="http://oss.tresys.com/repos/refpolicy/">http://oss.tresys.com/repos/refpolicy/</a>
<i>selinux-policy-doc</i>	3.6.12	3.6.32	<a href="http://oss.tresys.com/repos/refpolicy/">http://oss.tresys.com/repos/refpolicy/</a>
<i>selinux-policy-minimum</i>	3.6.12	3.6.32	<a href="http://oss.tresys.com/repos/refpolicy/">http://oss.tresys.com/repos/refpolicy/</a>
<i>selinux-policy-mls</i>	3.6.12	3.6.32	<a href="http://oss.tresys.com/repos/refpolicy/">http://oss.tresys.com/repos/refpolicy/</a>
<i>selinux-policy-targeted</i>	3.6.12	3.6.32	<a href="http://oss.tresys.com/repos/refpolicy/">http://oss.tresys.com/repos/refpolicy/</a>
<i>setools</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>setools-console</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>setools-gui</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>setroubleshoot-doc</i>	2.1.8	2.2.42	<a href="https://fedorahosted.org/setroubleshoot">https://fedorahosted.org/setroubleshoot</a>
<i>setup</i>	2.8.3	2.8.9	<a href="https://fedorahosted.org/setup/">https://fedorahosted.org/setup/</a>

组件	老版本	新版本	上游URL
<i>sgpio</i>	new	1.2.0.10	<a href="http://sources.redhat.com/lvm2/wiki/DMRAID_Eventing">http://sources.redhat.com/lvm2/wiki/DMRAID_Eventing</a>
<i>shadow-utils</i>	4.1.2	4.1.4.2	<a href="http://pkg-shadow.alioth.debian.org/">http://pkg-shadow.alioth.debian.org/</a>
<i>shared-mime-info</i>	0.60	0.70	<a href="http://freedesktop.org/Software/shared-mime-info">http://freedesktop.org/Software/shared-mime-info</a>
<i>sugar-update-control</i>	0.20	dropped	<a href="http://git.sugarlabs.org/projects/sugar-update-control">http://git.sugarlabs.org/projects/sugar-update-control</a>
<i>system-autodeath</i>	0.2	0.3	<a href="http://skvidal.fedorapeople.org/system-autodeath/">http://skvidal.fedorapeople.org/system-autodeath/</a>
<i>system-config-date</i>	1.9.38	1.9.53	<a href="http://fedorahosted.org/system-config-date">http://fedorahosted.org/system-config-date</a>
<i>system-config-display</i>	1.1.3	2.2	<a href="http://fedoraproject.org/wiki/SystemConfig/Tools">http://fedoraproject.org/wiki/SystemConfig/Tools</a>
<i>system-config-firewall</i>	1.2.16	1.2.21	<a href="http://fedorahosted.org/system-config-firewall">http://fedorahosted.org/system-config-firewall</a>
<i>system-config-firewall-tui</i>	1.2.16	1.2.21	<a href="http://fedorahosted.org/system-config-firewall">http://fedorahosted.org/system-config-firewall</a>
<i>system-config-kdump</i>	1.0.14	2.0.1	<a href="http://fedorahosted.org/system-config-kdump/">http://fedorahosted.org/system-config-kdump/</a>
<i>system-config-keyboard</i>	1.2.15	1.3.1	<a href="https://fedorahosted.org/system-config-keyboard/">https://fedorahosted.org/system-config-keyboard/</a>
<i>system-config-kickstart</i>	2.7.22	2.8.2	<a href="http://fedoraproject.org/wiki/SystemConfig/Tools">http://fedoraproject.org/wiki/SystemConfig/Tools</a>
<i>system-config-language</i>	1.3.2	1.3.3	<a href="http://fedoraproject.org/wiki/SystemConfig/language">http://fedoraproject.org/wiki/SystemConfig/language</a>
<i>system-config-nfs</i>	1.3.44	1.3.49	<a href="http://fedorahosted.org/system-config-nfs">http://fedorahosted.org/system-config-nfs</a>
<i>system-config-printer</i>	1.1.7	1.1.13	<a href="http://cyberelk.net/tim/software/system-config-printer/">http://cyberelk.net/tim/software/system-config-printer/</a>
<i>system-config-printer-kde</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>

组件	老版本	新版本	上游URL
<i>system-config-printer-libs</i>	1.1.7	1.1.13	<a href="http://cyberelk.net/tim/software/system-config-printer/">http://cyberelk.net/tim/software/system-config-printer/</a>
<i>system-config-printer-udev</i>	new	1.1.13	<a href="http://cyberelk.net/tim/software/system-config-printer/">http://cyberelk.net/tim/software/system-config-printer/</a>
<i>system-config-rootpassword</i>	1.99.4	1.99.6	<a href="http://fedora.redhat.com/">http://fedora.redhat.com/</a>
<i>system-config-samba</i>	1.2.75	1.2.83	<a href="http://fedorahosted.org/system-config-samba">http://fedorahosted.org/system-config-samba</a>
<i>sysvinit-tools</i>	2.86	2.87	<a href="https://alioth.debian.org/projects/pkg-sysvinit/">https://alioth.debian.org/projects/pkg-sysvinit/</a>
<i>tabled</i>	new	0.3	<a href="http://hail.wiki.kernel.org/">http://hail.wiki.kernel.org/</a>
<i>telepathy-filesystem</i>	0.0.1	0.0.2	n/a
<i>tmpwatch</i>	2.9.14	2.9.15	<a href="https://fedorahosted.org/tmpwatch/">https://fedorahosted.org/tmpwatch/</a>
<i>tor-upstart</i>	0.2.0.34	0.2.1.19	<a href="http://tor.eff.org">http://tor.eff.org</a>
<i>tzdata</i>	2009f	2009o	<a href="ftp://elsie.nci.nih.gov/pub/">ftp://elsie.nci.nih.gov/pub/</a>
<i>tzdata-java</i>	2009f	2009o	<a href="ftp://elsie.nci.nih.gov/pub/">ftp://elsie.nci.nih.gov/pub/</a>
<i>udev</i>	141	145	<a href="http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html">http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html</a>
<i>udev-extras</i>	20090226	dropped	<a href="http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html">http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html</a>
<i>unetbootin</i>	new	0	<a href="http://unetbootin.sourceforge.net/">http://unetbootin.sourceforge.net/</a>
<i>unoconv</i>	new	0.3	<a href="http://dag.wieers.com/home-made/unoconv/">http://dag.wieers.com/home-made/unoconv/</a>
<i>upstart</i>	0.3.9	0.3.11	<a href="http://upstart.ubuntu.com">http://upstart.ubuntu.com</a>
<i>util-linux-ng</i>	2.14.2	2.16	<a href="ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng">ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng</a>
<i>util-vserver</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>

组件	老版本	新版本	上游URL
<i>util-vserver-sysv</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>
<i>vbetool</i>	1.1	1.2.2	<a href="http://www.codon.org.uk/~mjb59/vbetool/">http://www.codon.org.uk/~mjb59/vbetool/</a>
<i>wacomexpresskeys</i>	new	0.4.2	<a href="http://expresskeys.ruivo.org/">http://expresskeys.ruivo.org/</a>
<i>x86info</i>	1.24	1.25	<a href="http://www.codemonkey.org.uk/projects/x86info">http://www.codemonkey.org.uk/projects/x86info</a>
<i>xfsdump</i>	3.0.0	3.0.1	<a href="http://oss.sgi.com/projects/xfs/">http://oss.sgi.com/projects/xfs/</a>
<i>xfsprogs</i>	3.0.0	3.0.3	<a href="http://oss.sgi.com/projects/xfs/">http://oss.sgi.com/projects/xfs/</a>
<i>xsupplicant</i>	1.2.8	2.1.8	<a href="http://www.open1x.org/">http://www.open1x.org/</a>
<i>xsupplicant-ui</i>	new	2.1.8	<a href="http://www.open1x.org/">http://www.open1x.org/</a>

表 51. 系统环境-基础的所有更新

组件	老版本	新版本	上游URL
<i>yum</i>	3.2.22	3.2.25	<a href="http://yum.baseurl.org/">http://yum.baseurl.org/</a>
<i>yum-NetworkManager-dispatcher</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-cron</i>	0.8.3	0.9.1	<a href="http://linux.duke.edu/yum/">http://linux.duke.edu/yum/</a>
<i>yum-plugin-aliases</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-auto-update-debug-info</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-basearchonly</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-changelog</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-downloadonly</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-fastestmirror</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-filter-data</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-keys</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-list-data</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>

组件	老版本	新版本	上游URL
<i>yum-plugin-merge-conf</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-post-transaction-actions</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-priorities</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-protect-packages</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-protectbase</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-refresh-updatesd</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-remove-with-leaves</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-rpm-warm-cache</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-security</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-show-leaves</i>	new	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-tmprepo</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-tsflags</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-upgrade-helper</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-verify</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-plugin-versionlock</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>
<i>yum-updateonboot</i>	1.1.21	1.1.23	<a href="http://yum.baseurl.org/download/yum-utils/">http://yum.baseurl.org/download/yum-utils/</a>

表 52. All System\_Environment-Base changes (cont'd)

已更改软件包	258
未更改软件包	173
软件包总数	431

### 8.7.2. 系统环境-守护程序

组件	老版本	新版本	上游URL
<b>389-admin</b>	new	1.1.9	<a href="http://port389.org/">http://port389.org/</a>



组件	老版本	新版本	上游URL
<i>389-ds</i>	new	1.1.3	<a href="http://port389.org/">http://port389.org/</a>
<i>389-ds-base</i>	new	1.2.3	<a href="http://port389.org/">http://port389.org/</a>
<i>389-dsgw</i>	new	1.1.4	<a href="http://port389.org/">http://port389.org/</a>
<i>3proxy</i>	new	0.6	<a href="http://3proxy.ru/?l=EN">http://3proxy.ru/?l=EN</a>
<i>acpid</i>	1.0.8	1.0.10	<a href="http://acpid.sourceforge.net/">http://acpid.sourceforge.net/</a>
<i>apcupsd</i>	3.14.5	3.14.7	<a href="http://www.apcupsd.com">http://www.apcupsd.com</a>
<i>audispd-plugins</i>	1.7.12	2.0.1	<a href="http://people.redhat.com/sgrubb/audit/">http://people.redhat.com/sgrubb/audit/</a>
<i>audit</i>	1.7.12	2.0.1	<a href="http://people.redhat.com/sgrubb/audit/">http://people.redhat.com/sgrubb/audit/</a>
<i>bacula-client</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-common</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-console</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-console-bat</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-console-gnome</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-console-wxwidgets</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-director-common</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-director-mysql</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-director-postgresql</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-director-sqlite</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-storage-common</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-storage-mysql</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-storage-postgresql</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-storage-sqlite</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-sysconfdir</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>bacula-traymonitor</i>	2.4.4	3.0.2	<a href="http://www.bacula.org">http://www.bacula.org</a>
<i>beanstalkd</i>	1.3	1.4.2	<a href="http://xph.us/software/beanstalkd/">http://xph.us/software/beanstalkd/</a>
<i>bitlbee</i>	1.2.3	1.2.4	<a href="http://www.bitlbee.org/">http://www.bitlbee.org/</a>
<i>bluez-alsa</i>	4.37	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>bluez-compatible</i>	new	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>

组件	老版本	新版本	上游URL
<i>bluez-cups</i>	4.37	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>bluez-gstreamer</i>	4.37	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>brltty</i>	3.10	4.1	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>brltty-at-spi</i>	3.10	4.1	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>brltty-xw</i>	3.10	4.1	<a href="http://mielke.cc/brltty/">http://mielke.cc/brltty/</a>
<i>clamav-milter</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-milter-sysvinit</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-milter-upstart</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-scanner</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-scanner-sysvinit</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-scanner-upstart</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-server</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clamav-server-sysvinit</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clement</i>	new	2.1.320	<a href="http://www.clement.safe.ca">http://www.clement.safe.ca</a>
<i>collectd</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-apache</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-dns</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-email</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-ipmi</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-mysql</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-nginx</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-nut</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-postgresql</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-rrdtool</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-sensors</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-snmp</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>collectd-virt</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>ctdb</i>	1.0.73	1.0.91	<a href="http://ctdb.samba.org/">http://ctdb.samba.org/</a>
<i>cups</i>	1.4	1.4.1	<a href="http://www.cups.org/">http://www.cups.org/</a>
<i>cups-bjnp</i>	new	0.5.4	<a href="https://sourceforge.net/projects/cups-bjnp/">https://sourceforge.net/projects/cups-bjnp/</a>
<i>cups-lpd</i>	1.4	1.4.1	<a href="http://www.cups.org/">http://www.cups.org/</a>
<i>cyrus-imapd</i>	2.3.14	2.3.15	<a href="http://cyrusimap.web.cmu.edu/">http://cyrusimap.web.cmu.edu/</a>
<i>dansguardian</i>	new	2.10.1.1	<a href="http://www.dansguardian.org/">http://www.dansguardian.org/</a>

组件	老版本	新版本	上游URL
<i>dap-freeform_handler</i>	3.7.9	3.7.12	<a href="http://opendap.org/download/ff_server.html">http://opendap.org/download/ff_server.html</a>
<i>dap-hdf4_handler</i>	3.7.9	3.7.14	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>dap-netcdf_handler</i>	3.7.9	3.8.3	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>dap-server</i>	3.8.5	3.9.3	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>dap-server-cgi</i>	3.8.5	3.9.3	<a href="http://www.opendap.org/">http://www.opendap.org/</a>
<i>dcbd</i>	0.9.7	0.9.15	<a href="http://e1000.sourceforge.net">http://e1000.sourceforge.net</a>
<i>dhcp</i>	4.1.0	4.1.0p1	<a href="http://isc.org/products/DHCP/">http://isc.org/products/DHCP/</a>
<i>dhcpcv6</i>	1.2.0	dropped	<a href="http://fedorahosted.org/dhcpcv6/">http://fedorahosted.org/dhcpcv6/</a>
<i>dkim-milter</i>	2.8.1	2.8.3	<a href="http://www.dkim.org/">http://www.dkim.org/</a>
<i>dnsmasq</i>	2.46	2.48	<a href="http://www.thekelleys.org.uk/dnsmasq/">http://www.thekelleys.org.uk/dnsmasq/</a>
<i>dnssec-conf</i>	1.20	1.21	<a href="http://www.xelerance.com/software/dnssec-conf/">http://www.xelerance.com/software/dnssec-conf/</a>
<i>dovecot</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-gssapi</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-ldap</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-managesieve</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-mysql</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-pgsql</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-sieve</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>dovecot-sqlite</i>	1.2	1.2.6	<a href="http://www.dovecot.org/">http://www.dovecot.org/</a>
<i>fail2ban</i>	0.8.3	0.8.4	<a href="http://fail2ban.sourceforge.net/">http://fail2ban.sourceforge.net/</a>
<i>freeradius</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http://www.freeradius.org/</a>
<i>freeradius-krb5</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http://www.freeradius.org/</a>
<i>freeradius-ldap</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http://www.freeradius.org/</a>

组件	老版本	新版本	上游URL
<i>freeradius-libs</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>freeradius-mysql</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>freeradius-perl</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>freeradius-postgresql</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>freeradius-python</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>freeradius-unixODBC</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>freeradius-utils</i>	2.1.3	2.1.7	<a href="http://www.freeradius.org/">http:// www.freeradius.org/</a>
<i>fwknop</i>	1.9.9	1.9.12	<a href="http://www.cipherdyne.org/fwknop/">http:// www.cipherdyne.org/ fwknop/</a>
<i>gearmand</i>	new	0.9	<a href="http://www.gearman.org">http:// www.gearman.org</a>
<i>glusterfs-server</i>	2.0.0	2.0.6	<a href="http://www.gluster.org/">http://www.gluster.org/</a>
<i>gnokii-smsd</i>	0.6.27	0.6.28	<a href="http://www.gnokii.org/">http://www.gnokii.org/</a>
<i>gnokii-smsd-mysql</i>	0.6.27	0.6.28	<a href="http://www.gnokii.org/">http://www.gnokii.org/</a>
<i>gnokii-smsd-pgsql</i>	0.6.27	0.6.28	<a href="http://www.gnokii.org/">http://www.gnokii.org/</a>
<i>gnome-settings-daemon</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gnome-settings-daemon">http:// download.gnome.org/ sources/gnome- settings-daemon</a>
<i>gvrpcd</i>	new	1.3	<a href="http://socrates.mimuw.edu.pl/~sebek/gvrpcd/">http:// socrates.mimuw.edu.pl/ ~sebek/gvrpcd/</a>
<i>haproxy</i>	1.3.17	1.3.22	<a href="http://haproxy.1wt.eu/">http://haproxy.1wt.eu/</a>
<i>heartbeat</i>	2.1.4	3.0.0	<a href="http://linux-ha.org/">http://linux-ha.org/</a>
<i>heartbeat-devel</i>	2.1.4	3.0.0	<a href="http://linux-ha.org/">http://linux-ha.org/</a>
<i>heartbeat-libs</i>	new	3.0.0	<a href="http://linux-ha.org/">http://linux-ha.org/</a>
<i>hplip</i>	3.9.2	3.9.8	<a href="http://hplip.sourceforge.net/">http:// hplip.sourceforge.net/</a>
<i>httpd</i>	2.2.11	2.2.13	<a href="http://httpd.apache.org/">http://httpd.apache.org/</a>
<i>httpd-tools</i>	2.2.11	2.2.13	<a href="http://httpd.apache.org/">http://httpd.apache.org/</a>
<i>inadyn</i>	1.96.2	dropped	<a href="http://inadyn.ina-tech.net">http://inadyn.ina- tech.net</a>

组件	老版本	新版本	上游URL
<i>inews</i>	2.4.6	2.5.0	<a href="https://www.isc.org/software/INN/">https://www.isc.org/software/INN/</a>
<i>infinoted</i>	new	0.3.0	<a href="http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity">http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity</a>
<i>inn</i>	2.4.6	2.5.0	<a href="https://www.isc.org/software/INN/">https://www.isc.org/software/INN/</a>
<i>jabberd</i>	2.2.7.1	2.2.8	<a href="http://jabberd2.xiaoka.com/">http://jabberd2.xiaoka.com/</a>
<i>jack-audio-connection-kit</i>	0.116.1	0.116.2	<a href="http://www.jackaudio.org">http://www.jackaudio.org</a>
<i>kannel</i>	1.4.1	1.4.3	<a href="http://www.kannel.org/">http://www.kannel.org/</a>
<i>krb5-server</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>krb5-server-ldap</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>ksysguardd</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>ldirectord</i>	new	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>libsane-hpaio</i>	3.9.2	3.9.8	<a href="http://hplip.sourceforge.net/">http://hplip.sourceforge.net/</a>
<i>libtalloc</i>	1.2.0	2.0.0	<a href="http://talloc.samba.org/">http://talloc.samba.org/</a>
<i>libtdb</i>	1.1.3	1.1.5	<a href="http://tdb.samba.org/">http://tdb.samba.org/</a>
<i>lighttpd</i>	1.4.22	1.4.23	<a href="http://www.lighttpd.net/">http://www.lighttpd.net/</a>
<i>lighttpd-fastcgi</i>	1.4.22	1.4.23	<a href="http://www.lighttpd.net/">http://www.lighttpd.net/</a>
<i>lighttpd-mod_geoip</i>	1.4.22	1.4.23	<a href="http://www.lighttpd.net/">http://www.lighttpd.net/</a>
<i>lighttpd-mod_mysql_vhost</i>	1.4.22	1.4.23	<a href="http://www.lighttpd.net/">http://www.lighttpd.net/</a>
<i>lirc</i>	0.8.5	0.8.6	<a href="http://www.lirc.org/">http://www.lirc.org/</a>
<i>lirc-remotes</i>	0.8.5	0.8.6	<a href="http://www.lirc.org/">http://www.lirc.org/</a>
<i>lm_sensors-sensord</i>	3.1.0	3.1.1	<a href="http://www.lm-sensors.org/">http://www.lm-sensors.org/</a>
<i>memcached</i>	1.2.6	1.4.1	<a href="http://www.danga.com/memcached/">http://www.danga.com/memcached/</a>
<i>milter-greylis</i>	4.2.2	4.2.3	<a href="http://hcpnet.free.fr/milter-greylis/">http://hcpnet.free.fr/milter-greylis/</a>
<i>milter-greylis-sysvinit</i>	4.2.2	4.2.3	<a href="http://hcpnet.free.fr/milter-greylis/">http://hcpnet.free.fr/milter-greylis/</a>
<i>milter-greylis-upstart</i>	4.2.2	4.2.3	<a href="http://hcpnet.free.fr/milter-greylis/">http://hcpnet.free.fr/milter-greylis/</a>

组件	老版本	新版本	上游URL
<i>mip6-daemon</i>	new	0.4	<a href="http://www.linux-ipv6.org/memo/mip6/">http://www.linux-ipv6.org/memo/mip6/</a>
<i>mod_dav_svn</i>	1.6.1	1.6.5	<a href="http://subversion.tigris.org/">http://subversion.tigris.org/</a>
<i>mod_fcgid</i>	2.2	2.3.4	<a href="http://httpd.apache.org/mod_fcgid/">http://httpd.apache.org/mod_fcgid/</a>
<i>mod_log_post</i>	new	0.1.0	<a href="http://ftp.robert-scheck.de/linux/mod_log_post/">http://ftp.robert-scheck.de/linux/mod_log_post/</a>
<i>mod_mono</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>mod_perlite</i>	0.09	0.10	<a href="http://modperlite.org">http://modperlite.org</a>
<i>mod_selinux</i>	new	2.2.2015	<a href="http://code.google.com/p/sepysql/">http://code.google.com/p/sepysql/</a>
<i>mod_ssl</i>	2.2.11	2.2.13	<a href="http://httpd.apache.org/">http://httpd.apache.org/</a>
<i>murmur</i>	new	1.1.8	<a href="http://mumble.sourceforge.net/">http://mumble.sourceforge.net/</a>
<i>mydns</i>	1.2.8.25	1.2.8.27	<a href="http://mydns-ng.com/">http://mydns-ng.com/</a>
<i>mydns-mysql</i>	1.2.8.25	1.2.8.27	<a href="http://mydns-ng.com/">http://mydns-ng.com/</a>
<i>mydns-pgsql</i>	1.2.8.25	1.2.8.27	<a href="http://mydns-ng.com/">http://mydns-ng.com/</a>
<i>netatalk</i>	2.0.3	2.0.4	<a href="http://netatalk.sourceforge.net/">http://netatalk.sourceforge.net/</a>
<i>nfs-utils</i>	1.1.5	1.2.0	<a href="http://sourceforge.net/projects/nfs">http://sourceforge.net/projects/nfs</a>
<i>nginx</i>	0.6.36	0.7.62	<a href="http://nginx.net/">http://nginx.net/</a>
<i>nscd</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>nsd</i>	3.2.2	3.2.3	<a href="http://www.nlnetlabs.nl/nsd/">http://www.nlnetlabs.nl/nsd/</a>
<i>ntp</i>	4.2.4p6	4.2.4p7	<a href="http://www.ntp.org">http://www.ntp.org</a>
<i>obexd</i>	0.10	0.18	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>openldap</i>	2.4.15	2.4.18	<a href="http://www.openldap.org/">http://www.openldap.org/</a>
<i>openldap-servers</i>	2.4.15	2.4.18	<a href="http://www.openldap.org/">http://www.openldap.org/</a>
<i>openldap-servers-sql</i>	2.4.15	2.4.18	<a href="http://www.openldap.org/">http://www.openldap.org/</a>
<i>opensm</i>	3.2.1	3.3.2	<a href="http://www.openfabrics.org/">http://www.openfabrics.org/</a>

组件	老版本	新版本	上游URL
<i>openswan</i>	2.6.21	2.6.23	<a href="http://www.openswan.org/">http://www.openswan.org/</a>
<i>openswan-doc</i>	2.6.21	2.6.23	<a href="http://www.openswan.org/">http://www.openswan.org/</a>
<i>openwsman</i>	2.1.0	2.2.0	<a href="http://www.openwsman.org/">http://www.openwsman.org/</a>
<i>pacemaker</i>	new	1.0.5	<a href="http://www.clusterlabs.org">http://www.clusterlabs.org</a>
<i>pacemaker-libs</i>	new	1.0.5	<a href="http://www.clusterlabs.org">http://www.clusterlabs.org</a>
<i>pathfinderd</i>	new	1.1.0	<a href="http://code.google.com/p/pathfinder-pki/">http://code.google.com/p/pathfinder-pki/</a>
<i>pcsc-lite-openct</i>	0.6.15	0.6.17	<a href="http://www.opensc-project.org/openct/">http://www.opensc-project.org/openct/</a>
<i>pdns-recursor</i>	3.1.7	3.1.7.1	<a href="http://powerdns.com">http://powerdns.com</a>
<i>perl-Collectd</i>	4.5.3	4.6.5	<a href="http://collectd.org/">http://collectd.org/</a>
<i>postfix</i>	2.5.6	2.6.5	<a href="http://www.postfix.org">http://www.postfix.org</a>
<i>privoxy</i>	3.0.10	3.0.13	<a href="http://www.privoxy.org/">http://www.privoxy.org/</a>
<i>proftpd</i>	1.3.2	1.3.2b	<a href="http://www.proftpd.org/">http://www.proftpd.org/</a>
<i>proftpd-ldap</i>	1.3.2	1.3.2b	<a href="http://www.proftpd.org/">http://www.proftpd.org/</a>
<i>proftpd-mysql</i>	1.3.2	1.3.2b	<a href="http://www.proftpd.org/">http://www.proftpd.org/</a>
<i>proftpd-postgresql</i>	1.3.2	1.3.2b	<a href="http://www.proftpd.org/">http://www.proftpd.org/</a>
<i>pulseaudio</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-esound-compat</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-module-bluetooth</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-module-gconf</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-module-jack</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-module-lirc</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-module-x11</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-module-zeroconf</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pure-ftpd</i>	1.0.21	1.0.22	<a href="http://www.pureftpd.org">http://www.pureftpd.org</a>
<i>pure-ftpd-selinux</i>	1.0.21	1.0.22	<a href="http://www.pureftpd.org">http://www.pureftpd.org</a>
<i>python-morbid</i>	new	0.8.7.3	<a href="http://www.morbidq.com">http://www.morbidq.com</a>
<i>qmf</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>

组件	老版本	新版本	上游URL
<i>qpidd</i>	0.5.752600	0.5.829175	<a href="http://qpidd.apache.org">http://qpidd.apache.org</a>
<i>qpidd-cluster</i>	0.5.752600	0.5.829175	<a href="http://qpidd.apache.org">http://qpidd.apache.org</a>
<i>quagga</i>	0.99.11	0.99.12	<a href="http://www.quagga.net">http://www.quagga.net</a>
<i>quagga-contrib</i>	0.99.11	0.99.12	<a href="http://www.quagga.net">http://www.quagga.net</a>
<i>quagga-devel</i>	0.99.11	0.99.12	<a href="http://www.quagga.net">http://www.quagga.net</a>
<i>radvd</i>	1.1	1.3	<a href="http://www.litech.org/radvd/">http://www.litech.org/radvd/</a>
<i>rpcbind</i>	0.1.7	0.2.0	<a href="http://nfsv4.bullopen-source.org">http://nfsv4.bullopen-source.org</a>
<i>rsyslog</i>	3.21.11	4.4.1	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>
<i>rsyslog-gnutls</i>	3.21.11	4.4.1	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>
<i>rsyslog-gssapi</i>	3.21.11	4.4.1	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>
<i>rsyslog-mysql</i>	3.21.11	4.4.1	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>
<i>rsyslog-pgsql</i>	3.21.11	4.4.1	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>
<i>rsyslog-relp</i>	3.21.11	4.4.1	<a href="http://www.rsyslog.com/">http://www.rsyslog.com/</a>
<i>rubygem-mongrel_cluster</i>	new	1.0.5	<a href="http://mongrel.rubyforge.org/wiki/MongrelCluster">http://mongrel.rubyforge.org/wiki/MongrelCluster</a>
<i>samba</i>	3.3.2	3.4.2	<a href="http://www.samba.org/">http://www.samba.org/</a>
<i>sec</i>	2.4.1	2.5.2	<a href="http://simple-evcorr.sourceforge.net/">http://simple-evcorr.sourceforge.net/</a>

表 53. 系统环境-守护程序的所有更新

组件	老版本	新版本	上游URL
<i>shmpgs</i>	new	1.03	<a href="http://time.qnan.org/">http://time.qnan.org/</a>
<i>slapi-nis</i>	0.10	0.17	<a href="http://slapi-nis.fedorahosted.org/">http://slapi-nis.fedorahosted.org/</a>
<i>spawn-fcgi</i>	1.4.22	1.6.2	<a href="http://redmine.lighttpd.net/projects/spawn-fcgi/">http://redmine.lighttpd.net/projects/spawn-fcgi/</a>
<i>squid</i>	3.0.STABLE13	3.1.0.14	<a href="http://www.squid-cache.org">http://www.squid-cache.org</a>
<i>sysusage</i>	2.9	2.10	<a href="http://sysusage.sourceforge.net">http://sysusage.sourceforge.net</a>
<i>tinyproxy</i>	1.6.4	1.6.5	<a href="http://tinyproxy.banu.com/">http://tinyproxy.banu.com/</a>
<i>tog-pegasus</i>	2.7.2	2.9.0	<a href="http://www.openpegasus.org">http://www.openpegasus.org</a>
<i>tor</i>	0.2.0.34	0.2.1.19	<a href="http://tor.eff.org">http://tor.eff.org</a>
<i>tor-core</i>	0.2.0.34	0.2.1.19	<a href="http://tor.eff.org">http://tor.eff.org</a>
<i>tor-lsb</i>	0.2.0.34	0.2.1.19	<a href="http://tor.eff.org">http://tor.eff.org</a>



组件	老版本	新版本	上游URL
<i>trytond</i>	1.0.3	1.2.2	<a href="http://www.tryton.org">http://www.tryton.org</a>
<i>tuned</i>	0.1.5	0.2.5	<a href="https://fedorahosted.org/tuned/">https://fedorahosted.org/tuned/</a>
<i>ucarp</i>	1.5	1.5.1	<a href="http://www.ucarp.org/">http://www.ucarp.org/</a>
<i>unbound</i>	1.2.1	1.3.4	<a href="http://www.nlnetlabs.nl/unbound/">http://www.nlnetlabs.nl/unbound/</a>
<i>unbound-munin</i>	1.2.1	1.3.4	<a href="http://www.nlnetlabs.nl/unbound/">http://www.nlnetlabs.nl/unbound/</a>
<i>uuidd</i>	1.41.4	2.16	<a href="ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng">ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng</a>
<i>varnish</i>	2.0.3	2.0.4	<a href="http://www.varnish-cache.org/">http://www.varnish-cache.org/</a>
<i>vsftpd</i>	2.1.0	2.2.0	<a href="http://vsftpd.beasts.org/">http://vsftpd.beasts.org/</a>
<i>xsp</i>	2.4	2.4.2	<a href="http://mono.ximian.com/monobuild/preview/sources-preview/">http://mono.ximian.com/monobuild/preview/sources-preview/</a>
<i>znc</i>	new	0.076	<a href="http://znc.sf.net/">http://znc.sf.net/</a>
<i>znc-extra</i>	new	0.076	<a href="http://znc.sf.net/">http://znc.sf.net/</a>
<i>zoneminder</i>	1.24.1	1.24.2	<a href="http://www.zoneminder.com/">http://www.zoneminder.com/</a>

表 54. All System\_Environment-Daemons changes (cont'd)

已更改软件包	220
未更改软件包	244
软件包总数	464

### 8.7.3. 系统环境-内核

组件	老版本	新版本	上游URL
<i>b43-openfwfwf</i>	new	5.2	<a href="http://www.ing.unibs.it/openfwfwf/">http://www.ing.unibs.it/openfwfwf/</a>
<i>gfs-utils</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>gfs2-utils</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http://sources.redhat.com/cluster/wiki/</a>
<i>iwl3945-firmware</i>	15.28.2.8	15.32.2.9	<a href="http://intellinuxwireless.org/">http://intellinuxwireless.org/</a>
<i>iwl4965-firmware</i>	228.57.2.23	228.61.2.24	<a href="http://intellinuxwireless.org/">http://intellinuxwireless.org/</a>

组件	老版本	新版本	上游URL
<i>iwl5000-firmware</i>	5.4.A.11	8.24.2.12	<a href="http://intellinuxwireless.org/">http://intellinuxwireless.org/</a>
<i>kernel</i>	2.6.29.4	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>
<i>kernel-PAE</i>	2.6.29.4	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>
<i>kernel-PAE-devel</i>	2.6.29.4	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>
<i>kernel-devel</i>	2.6.29.4	2.6.31.5	<a href="http://www.kernel.org/">http://www.kernel.org/</a>
<i>ksplICE</i>	0.9.7	0.9.9	<a href="http://ksplICE.com">http://ksplICE.com</a>
<i>module-init-tools</i>	3.7	3.9	n/a
<i>ocfs2console</i>	1.3.9	1.4.3	<a href="http://oss.oracle.com/projects/ocfs2-tools/">http://oss.oracle.com/projects/ocfs2-tools/</a>
<i>ql2400-firmware</i>	4.04.05	4.04.09	<a href="ftp://ftp.qlogic.com/outgoing/linux/firmware/">ftp://ftp.qlogic.com/outgoing/linux/firmware/</a>
<i>ql2500-firmware</i>	4.04.05	4.04.09	<a href="ftp://ftp.qlogic.com/outgoing/linux/firmware/">ftp://ftp.qlogic.com/outgoing/linux/firmware/</a>

表 55. 系统环境-内核的所有更新

已更改软件包	15
未更改软件包	18
软件包总数	33

#### 8.7.4. 系统环境-库

组件	老版本	新版本	上游URL
<i>CGAL</i>	3.3.1	3.5	<a href="http://www.cgal.org/">http://www.cgal.org/</a>
<i>ClanLib</i>	0.8.1	1.0.0	<a href="http://www.clanlib.org/">http://www.clanlib.org/</a>
<i>ConsoleKit</i>	0.3.0	0.4.1	<a href="http://www.freedesktop.org/wiki/Software/ConsoleKit">http://www.freedesktop.org/wiki/Software/ConsoleKit</a>
<i>DeviceKit</i>	003	dropped	<a href="http://gitweb.freedesktop.org/?p=users/david/DeviceKit.git;a=summary">http://gitweb.freedesktop.org/?p=users/david/DeviceKit.git;a=summary</a>
<i>DeviceKit-disks</i>	004	009	<a href="http://cgit.freedesktop.org/DeviceKit/DeviceKit-disks/">http://cgit.freedesktop.org/DeviceKit/DeviceKit-disks/</a>
<i>DeviceKit-power</i>	008	012	<a href="http://cgit.freedesktop.org/DeviceKit/DeviceKit-power/">http://cgit.freedesktop.org/DeviceKit/DeviceKit-power/</a>

组件	老版本	新版本	上游URL
<i>GraphicsMagick-c++</i>	1.1.14	1.3.7	<a href="http://www.graphicsmagick.org/">http://www.graphicsmagick.org/</a>
<i>GraphicsMagick-perl</i>	1.1.14	1.3.7	<a href="http://www.graphicsmagick.org/">http://www.graphicsmagick.org/</a>
<i>GtkAda</i>	2.10.2	2.14.0	<a href="https://libre.adacore.com/GtkAda/">https://libre.adacore.com/GtkAda/</a>
<i>ImageMagick-c++</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>ImageMagick-perl</i>	6.5.1.2	6.5.4.7	<a href="http://www.imagemagick.org/">http://www.imagemagick.org/</a>
<i>LuxRender-lib</i>	new	0.5	<a href="http://www.luxrender.net">http://www.luxrender.net</a>
<i>PackageKit</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-smart</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PackageKit-yum</i>	0.4.6	0.5.4	<a href="http://www.packagekit.org">http://www.packagekit.org</a>
<i>PolicyKit</i>	0.9	dropped	<a href="http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary">http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary</a>
<i>PolicyKit-gnome</i>	0.9.2	dropped	<a href="http://svn.gnome.org/viewvc/policykit-gnome/trunk">http://svn.gnome.org/viewvc/policykit-gnome/trunk</a>
<i>PolicyKit-kde</i>	4.2.0	dropped	<a href="http://www.kde.org">http://www.kde.org</a>
<i>SDL_image</i>	1.2.6	1.2.7	<a href="http://www.libsdl.org/projects/SDL_image/">http://www.libsdl.org/projects/SDL_image/</a>
<i>SevenZip</i>	new	4.65	<a href="http://www.7-zip.org/sdk.html">http://www.7-zip.org/sdk.html</a>
<i>abrt-addon-ccpp</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-addon-kerneloops</i>	new	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-addon-python</i>	new	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-libs</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-bugzilla</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-filetransfer</i>	new	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>

组件	老版本	新版本	上游URL
<i>abrt-plugin-kerneloopsreporter</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-logger</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-mailx</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-runapp</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-sosreport</i>	new	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-plugin-sqlite3</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>afflib</i>	3.3.4	3.4.1	<a href="http://www.afflib.org">http://www.afflib.org</a>
<i>akonadi</i>	1.1.2	1.2.1	<a href="http://download.akonadi-project.org/">http://download.akonadi-project.org/</a>
<i>alsa-lib</i>	1.0.20	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-arcamav</i>	new	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-jack</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-oss</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-pulseaudio</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-samplerate</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-speex</i>	new	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-upmix</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-usbstream</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>alsa-plugins-vdownmix</i>	1.0.18	1.0.21	<a href="http://www.alsa-project.org/">http://www.alsa-project.org/</a>
<i>amarok-libs</i>	new	2.2.0	<a href="http://amarok.kde.org/">http://amarok.kde.org/</a>
<i>anerley</i>	new	0.1.7	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>apr</i>	1.3.3	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>apr-util</i>	1.3.4	1.3.9	<a href="http://apr.apache.org/">http://apr.apache.org/</a>
<i>aqsis-libs</i>	1.4.2	1.6.0	<a href="http://www.aqsis.org">http://www.aqsis.org</a>

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<i>at-spi</i>	1.26.0	1.28.1	<a href="http://developer.gnome.org/projects/gap/">http:// developer.gnome.org/ projects/gap/</a>
<i>atk</i>	1.25.2	1.28.0	<a href="http://developer.gnome.org/projects/gap/">http:// developer.gnome.org/ projects/gap/</a>
<i>audacious-libs</i>	1.5.1	2.1	<a href="http://audacious-media-player.org/">http://audacious-media- player.org/</a>
<i>augeas</i>	0.5.0	0.5.3	<a href="http://augeas.net/">http://augeas.net/</a>
<i>augeas-libs</i>	0.5.0	0.5.3	<a href="http://augeas.net/">http://augeas.net/</a>
<i>autotrust</i>	0.2.1	0.3.1	<a href="http://www.nlnetlabs.nl/autotrust/">http://www.nlnetlabs.nl/ autotrust/</a>
<i>avogadro-libs</i>	0.9.3	1.0.0	<a href="http://avogadro.openmolecules.net/">http:// avogadro.openmolecules.net/</a>
<i>babl</i>	0.0.22	0.1.0	<a href="http://www.gegl.org/babl/">http://www.gegl.org/ babl/</a>
<i>banshee-musicbrainz</i>	1.4.3	1.5.1	<a href="http://banshee-project.org/">http://banshee- project.org/</a>
<i>bes</i>	3.6.2	3.7.2	<a href="http://www.opendap.org/download/BES.html">http:// www.opendap.org/ download/BES.html</a>
<i>bigloo-libs</i>	3.1b	3.2b	<a href="http://www-sop.inria.fr/mimosa/fp/Bigloo">http://www-sop.inria.fr/ mimosa/fp/Bigloo</a>
<i>bind-dyndb-ldap</i>	new	0.1.0	<a href="http://mnagy.github.com/bind-dyndb-ldap">http:// mnagy.github.com/ bind-dyndb-ldap</a>
<i>binutils-devel</i>	2.19.51.0.2	2.19.51.0.14	<a href="http://sources.redhat.com/binutils">http:// sources.redhat.com/ binutils</a>
<i>bisho</i>	new	0.16	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>bluez-libs</i>	4.37	4.57	<a href="http://www.bluez.org/">http://www.bluez.org/</a>
<i>boost</i>	1.37.0	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-date-time</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-filesystem</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-graph</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-iostreams</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-math</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-program-options</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-python</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-regex</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-serialization</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>

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<i>boost-signals</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-system</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-test</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-thread</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>boost-wave</i>	new	1.39.0	<a href="http://www.boost.org/">http://www.boost.org/</a>
<i>botan</i>	1.8.1	1.8.7	<a href="http://botan.randombit.net/">http:// botan.randombit.net/</a>
<i>bouncycastle-tsp</i>	new	1.43	<a href="http://www.bouncycastle.org/">http:// www.bouncycastle.org/</a>
<i>brasero-libs</i>	2.26.1	2.28.2	<a href="http://www.gnome.org/projects/brasero/">http://www.gnome.org/ projects/brasero/</a>
<i>c-ares</i>	1.5.3	1.6.0	<a href="http://c-ares.haxx.se/">http://c-ares.haxx.se/</a>
<i>cairo</i>	1.8.6	1.8.8	<a href="http://cairographics.org">http://cairographics.org</a>
<i>celt</i>	0.5.2	0.7.0	<a href="http://www.celt-codec.org/">http://www.celt- codec.org/</a>
<i>chealpix</i>	2.11c	2.12a	<a href="http://healpix.jpl.nasa.gov/">http:// healpix.jpl.nasa.gov/</a>
<i>clamav-lib</i>	0.95.1	0.95.2	<a href="http://www.clamav.net">http://www.clamav.net</a>
<i>clips-libs</i>	6.24	6.30.0	<a href="http://clipsrules.sourceforge.net">http:// clipsrules.sourceforge.net</a>
<i>clipsmm</i>	0.0.7	0.1.0	<a href="http://clipsmm.sourceforge.net">http:// clipsmm.sourceforge.net</a>
<i>cln</i>	1.2.2	1.3.0	<a href="http://www.ginac.de/CLN/">http://www.ginac.de/ CLN/</a>
<i>clthreads</i>	new	2.4.0	<a href="http://www.kokkinizita.net/linuxaudio/">http:// www.kokkinizita.net/ linuxaudio/</a>
<i>clusterlib</i>	3.0.0	3.0.4	<a href="http://sources.redhat.com/cluster/wiki/">http:// sources.redhat.com/ cluster/wiki/</a>
<i>clutter-caiomm</i>	0.7.4	dropped	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>clutter-gtkmm</i>	0.7.4	0.9.4	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>clutter-imcontext</i>	new	0.1.4	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>cluttermm</i>	0.7.5	0.9.4	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>compat-libgdammm</i>	new	3.0.1	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>
<i>compat-readline5</i>	new	5.2	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http:// cnswww.cns.cwru.edu/ php/chet/readline/ rltop.html</a>
<i>compat-wxGTK26</i>	2.6.4	dropped	<a href="http://www.wxwidgets.org/">http:// www.wxwidgets.org/</a>

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<i>compizconfig-backend-gconf</i>	0.7.8	0.8.2	<a href="http://www.opencompositing.org">http://www.opencompositing.org</a>
<i>compizconfig-backend-kconfig</i>	0.7.8	0.8.2	<a href="http://www.opencompositing.org">http://www.opencompositing.org</a>
<i>conexus</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-dbus</i>	new	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-gtkmm</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-nspr</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-nss</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>conexus-ssl</i>	0.6.0	0.9.0	<a href="http://conexus.sourceforge.net">http://conexus.sourceforge.net</a>
<i>coreutils-libs</i>	new	7.6	<a href="http://www.gnu.org/software/coreutils/">http://www.gnu.org/software/coreutils/</a>
<i>corosynclib</i>	0.95	1.1.2	<a href="http://www.openais.org">http://www.openais.org</a>
<i>csound-java</i>	5.03.0	5.10.1	<a href="http://csound.sourceforge.net/">http://csound.sourceforge.net/</a>
<i>cups-libs</i>	1.4	1.4.1	<a href="http://www.cups.org/">http://www.cups.org/</a>
<i>cyphesis</i>	0.5.19	0.5.21	<a href="http://www.worldforge.org">http://www.worldforge.org</a>
<i>cyrus-imapd-perl</i>	2.3.14	2.3.15	<a href="http://cyrusimap.web.cmu.edu/">http://cyrusimap.web.cmu.edu/</a>
<i>cyrus-sasl</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>cyrus-sasl-gssapi</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>cyrus-sasl-ldap</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>cyrus-sasl-lib</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>cyrus-sasl-md5</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>

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<i>cyrus-sasl-ntlm</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>cyrus-sasl-plain</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>cyrus-sasl-sql</i>	2.1.22	2.1.23	<a href="http://asg.web.cmu.edu/sasl/sasl-library.html">http://asg.web.cmu.edu/sasl/sasl-library.html</a>
<i>dbus</i>	1.2.12	1.2.16	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>dbus-cxx</i>	new	0.4.3	<a href="http://dbus-cxx.sourceforge.net/">http://dbus-cxx.sourceforge.net/</a>
<i>dbus-cxx-glibmm</i>	new	0.4.3	<a href="http://dbus-cxx.sourceforge.net/">http://dbus-cxx.sourceforge.net/</a>
<i>dbus-glib</i>	0.80	0.82	<a href="http://www.freedesktop.org/software/dbus/">http://www.freedesktop.org/software/dbus/</a>
<i>device-mapper-libs</i>	1.02.31	1.02.38	<a href="http://sources.redhat.com/lvm2">http://sources.redhat.com/lvm2</a>
<i>device-mapper-multipath-libs</i>	new	0.4.9	<a href="http://christophe.varoqui.free.fr/">http://christophe.varoqui.free.fr/</a>
<i>digikam-libs</i>	0.10.0	1.0.0	<a href="http://www.digikam.org/">http://www.digikam.org/</a>
<i>directfb</i>	1.2.7	1.4.2	<a href="http://www.directfb.org/">http://www.directfb.org/</a>
<i>dirmngr</i>	1.0.2	1.0.3	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
<i>dmraid-libs</i>	1.0.0.rc15	dropped	<a href="http://people.redhat.com/heinzm/sw/dmraid">http://people.redhat.com/heinzm/sw/dmraid</a>
<i>dnsjava</i>	new	2.0.6	<a href="http://www.dnsjava.org/">http://www.dnsjava.org/</a>
<i>eb</i>	4.3.2	4.4.1	<a href="http://www.sra.co.jp/people/m-kasahr/eb/">http://www.sra.co.jp/people/m-kasahr/eb/</a>
<i>eclipse-birt</i>	2.3.2	2.5	<a href="http://www.eclipse.org/birt/">http://www.eclipse.org/birt/</a>
<i>eclipse-dltk-sdk</i>	new	1.0.0	<a href="http://www.eclipse.org/dltk/">http://www.eclipse.org/dltk/</a>
<i>eclipse-dtp</i>	1.6.2	1.7.0	<a href="http://www.eclipse.org/datatools/">http://www.eclipse.org/datatools/</a>
<i>eclipse-eclox</i>	new	0.8.0	<a href="http://eclox.eu/">http://eclox.eu/</a>
<i>eclipse-emf</i>	2.4.2	2.5.0	<a href="http://www.eclipse.org/modeling/emf/">http://www.eclipse.org/modeling/emf/</a>



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<i>eclipse-emf-examples</i>	2.4.2	2.5.0	<a href="http://www.eclipse.org/modeling/emf/">http://www.eclipse.org/modeling/emf/</a>
<i>eclipse-emf-sdk</i>	2.4.2	2.5.0	<a href="http://www.eclipse.org/modeling/emf/">http://www.eclipse.org/modeling/emf/</a>
<i>eclipse-emf-xsd</i>	2.4.2	2.5.0	<a href="http://www.eclipse.org/modeling/emf/">http://www.eclipse.org/modeling/emf/</a>
<i>eclipse-emf-xsd-sdk</i>	2.4.2	2.5.0	<a href="http://www.eclipse.org/modeling/emf/">http://www.eclipse.org/modeling/emf/</a>
<i>eclipse-gef</i>	3.4.2	3.5.0	<a href="http://www.eclipse.org/gef/">http://www.eclipse.org/gef/</a>
<i>eclipse-gef-examples</i>	3.4.2	3.5.0	<a href="http://www.eclipse.org/gef/">http://www.eclipse.org/gef/</a>
<i>eclipse-gef-sdk</i>	3.4.2	3.5.0	<a href="http://www.eclipse.org/gef/">http://www.eclipse.org/gef/</a>
<i>emacs-common-uim</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>emacs-uim</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>enchant</i>	1.4.2	1.5.0	<a href="http://www.abisource.com/">http://www.abisource.com/</a>
<i>enchant-aspell</i>	1.4.2	1.5.0	<a href="http://www.abisource.com/">http://www.abisource.com/</a>
<i>enchant-voikko</i>	1.4.2	1.5.0	<a href="http://www.abisource.com/">http://www.abisource.com/</a>
<i>evince-libs</i>	new	2.28.1	<a href="http://projects.gnome.org/evince/">http://projects.gnome.org/evince/</a>
<i>evolution-data-server</i>	2.26.1	2.28.0	<a href="http://projects.gnome.org/evolution/">http://projects.gnome.org/evolution/</a>
<i>evolution-sharp</i>	0.20.0	0.21.1	<a href="http://ftp.gnome.org/pub/GNOME/sources/evolution-sharp/">http://ftp.gnome.org/pub/GNOME/sources/evolution-sharp/</a>
<i>ewl</i>	new	0.5.2.042	<a href="http://www.enlightenment.org/">http://www.enlightenment.org/</a>
<i>exiv2-libs</i>	0.18.1	0.18.2	<a href="http://www.exiv2.org/">http://www.exiv2.org/</a>
<i>exo</i>	0.3.101	0.3.104	<a href="http://xfce.org/">http://xfce.org/</a>
<i>expatmm</i>	new	1.0.2	<a href="http://devzone.intellitree.com/projects/expatmm/">http://devzone.intellitree.com/projects/expatmm/</a>
<i>farsight2</i>	0.0.9	0.0.16	<a href="http://farsight.freedesktop.org/wiki/">http://farsight.freedesktop.org/wiki/</a>

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<i>fipscheck</i>	1.1.1	1.2.0	<a href="http://fedorahosted.org/fipscheck/">http://fedorahosted.org/fipscheck/</a>
<i>fipscheck-devel</i>	1.1.1	1.2.0	<a href="http://fedorahosted.org/fipscheck/">http://fedorahosted.org/fipscheck/</a>
<i>fipscheck-lib</i>	new	1.2.0	<a href="http://fedorahosted.org/fipscheck/">http://fedorahosted.org/fipscheck/</a>
<i>firebird-libfbclient</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>firebird-libfbembed</i>	new	2.1.3.18185.0	<a href="http://www.firebirdsql.org/">http://www.firebirdsql.org/</a>
<i>flickcurl</i>	new	1.13	<a href="http://librdf.org/flickcurl/">http://librdf.org/flickcurl/</a>
<i>fluidsynth-libs</i>	1.0.8	1.0.9	<a href="http://www.fluidsynth.org/">http://www.fluidsynth.org/</a>
<i>flute</i>	1.3	1.3.0	<a href="http://www.w3.org/Style/CSS/SAC/">http://www.w3.org/Style/CSS/SAC/</a>
<i>fontconfig</i>	2.6.99.behdad.20090508	2.7.3	<a href="http://fontconfig.org">http://fontconfig.org</a>
<i>foomatic</i>	4.0.0	4.0.3	<a href="http://www.linuxprinting.org">http://www.linuxprinting.org</a>
<i>foomatic-db</i>	new	4.0	<a href="http://www.openprinting.org">http://www.openprinting.org</a>
<i>foomatic-db-ppds</i>	new	4.0	<a href="http://www.openprinting.org">http://www.openprinting.org</a>
<i>freelut</i>	2.4.0	2.6.0	<a href="http://freelut.sourceforge.net">http://freelut.sourceforge.net</a>
<i>ftgl</i>	2.1.2	2.1.3	<a href="http://ftgl.wiki.sourceforge.net/">http://ftgl.wiki.sourceforge.net/</a>
<i>fuse-libs</i>	2.7.4	2.8.1	<a href="http://fuse.sf.net">http://fuse.sf.net</a>
<i>fusecompress</i>	1.99.19	2.6	<a href="http://miiio.net/fusecompress/">http://miiio.net/fusecompress/</a>
<i>gammu-libs</i>	1.23.92	1.25.0	<a href="http://cihar.com/gammu/">http://cihar.com/gammu/</a>
<i>garmindex</i>	0	0.3.0	<a href="http://www.qlandkarte.org">http://www.qlandkarte.org</a>
<i>gcin</i>	1.4.4	1.4.5	<a href="http://cle.linux.org.tw/gcin/">http://cle.linux.org.tw/gcin/</a>
<i>gconfmm26</i>	2.24.0	2.28.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gdal</i>	1.6.0	1.6.1	<a href="http://www.gdal.org/">http://www.gdal.org/</a>
<i>gegl</i>	0.0.22	0.1.0	<a href="http://www.gegl.org/">http://www.gegl.org/</a>
<i>ghdl-grt</i>	0.27	0.28	<a href="http://ghdl.free.fr/">http://ghdl.free.fr/</a>
<i>gimp-libs</i>	2.6.6	2.6.7	<a href="http://www.gimp.org/">http://www.gimp.org/</a>

组件	老版本	新版本	上游URL
<i>gjs</i>	new	0.4	<a href="http://live.gnome.org/Gjs/">http://live.gnome.org/Gjs/</a>
<i>gl2ps</i>	1.3.2	1.3.3	<a href="http://www.geuz.org/gl2ps/">http://www.geuz.org/gl2ps/</a>
<i>glib2</i>	2.20.1	2.22.2	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>glibc</i>	2.10.1	2.11	<a href="http://sources.redhat.com/glibc/">http://sources.redhat.com/glibc/</a>
<i>glibmm24</i>	2.20.0	2.22.1	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>globus-callout</i>	new	0.7	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-ftp-client</i>	new	3.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-ftp-control</i>	new	2.10	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gass-copy</i>	new	4.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gass-transfer</i>	new	3.4	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-callback</i>	new	1.10	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-cert-utils</i>	new	5.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-credential</i>	new	2.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-openssl-error</i>	new	0.14	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-proxy-core</i>	new	3.4	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-proxy-ssl</i>	new	1.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gsi-sysconfig</i>	new	2.2	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gss-assist</i>	new	4.0	<a href="http://www.globus.org/">http://www.globus.org/</a>

表 56. 系统环境-库的所有更新

组件	老版本	新版本	上游URL
<i>globus-gssapi-error</i>	new	2.5	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-gssapi-gsi</i>	new	5.9	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-io</i>	new	6.3	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-openssl</i>	new	3.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-openssl-module</i>	new	0.6	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls-client</i>	new	5.1	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls</i>	new	5.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-rls-assist</i>	new	2.1	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-usage</i>	new	1.0	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio</i>	new	2.8	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio-gsi-driver</i>	new	0.6	<a href="http://www.globus.org/">http://www.globus.org/</a>
<i>globus-xio-popen-driver</i>	new	0.2	<a href="http://www.globus.org/">http://www.globus.org/</a>

组件	老版本	新版本	上游URL
<i>glom-libs</i>	1.10.0	1.12.2	<a href="http://www.glom.org/">http://www.glom.org/</a>
<i>gloox</i>	new	1.0	<a href="http://camaya.net/gloox">http://camaya.net/gloox</a>
<i>glpk</i>	4.36	4.39	<a href="http://www.gnu.org/software/glpk/glpk.html">http://www.gnu.org/software/glpk/glpk.html</a>
<i>glusterfs-common</i>	2.0.0	2.0.6	<a href="http://www.gluster.org/">http://www.gluster.org/</a>
<i>gmime</i>	2.4.3	2.4.7	<a href="http://spruce.sourceforge.net/gmime/">http://spruce.sourceforge.net/gmime/</a>
<i>gmp</i>	4.2.4	4.3.1	<a href="http://gmplib.org/">http://gmplib.org/</a>
<i>gnome-bluetooth-libs</i>	2.27.5	2.28.3	<a href="http://live.gnome.org/GnomeBluetooth">http://live.gnome.org/GnomeBluetooth</a>
<i>gnome-desktop</i>	2.26.1	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-devel-docs</i>	2.26.1	2.28.0	<a href="http://library.gnome.org">http://library.gnome.org</a>
<i>gnome-disk-utility</i>	0.3	2.28.1	<a href="http://git.gnome.org/cgiit/gnome-disk-utility">http://git.gnome.org/cgiit/gnome-disk-utility</a>
<i>gnome-keyring</i>	2.26.1	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-menus</i>	2.26.1	2.28.0	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-user-share</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-vfs2</i>	2.24.1	2.24.2	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-vfs2-smb</i>	2.24.1	2.24.2	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-vfsmm26</i>	2.24.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gnonlin</i>	0.10.10	0.10.13	<a href="http://gnonlin.sourceforge.net/">http://gnonlin.sourceforge.net/</a>
<i>gnutls</i>	2.6.6	2.8.5	<a href="http://www.gnutls.org/">http://www.gnutls.org/</a>
<i>goocanvas</i>	0.13	0.14	<a href="http://live.gnome.org/GooCanvas">http://live.gnome.org/GooCanvas</a>
<i>goocanvasmm</i>	0.13.0	0.14.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gpp4</i>	1.0.4	1.2.0	<a href="http://dmz-212.daimi.au.dk/~mok/gpp4">http://dmz-212.daimi.au.dk/~mok/gpp4</a>
<i>gsl</i>	1.12	1.13	<a href="http://www.gnu.org/software/gsl/">http://www.gnu.org/software/gsl/</a>
<i>gsm</i>	1.0.12	1.0.13	<a href="http://kbs.cs.tu-berlin.de/~jutta/toast.html">http://kbs.cs.tu-berlin.de/~jutta/toast.html</a>
<i>gssdp</i>	0.6.4	0.7.0	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gststreamer-java</i>	1.0	1.2	<a href="http://code.google.com/p/gstreamer-java/">http://code.google.com/p/gstreamer-java/</a>
<i>gststreamermm</i>	0.10.1	0.10.5	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>

组件	老版本	新版本	上游URL
<i>gtk-murrine-engine</i>	0.53.1	0.90.3	<a href="http://www.cimitan.com/murrine/">http://www.cimitan.com/murrine/</a>
<i>gtk-sharp2</i>	2.12.7	2.12.9	<a href="http://gtk-sharp.sf.net">http://gtk-sharp.sf.net</a>
<i>gtk2</i>	2.16.1	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gtk2-engines</i>	2.18.1	2.18.4	<a href="http://download.gnome.org/sources/gtk-engines">http://download.gnome.org/sources/gtk-engines</a>
<i>gtk2-immodule-xim</i>	2.16.1	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gtk2-immodules</i>	2.16.1	2.18.3	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gtkhtml3</i>	3.26.1.1	3.28.0	<a href="http://projects.gnome.org/evolution/">http://projects.gnome.org/evolution/</a>
<i>gtkmm-utils</i>	new	0.4.1	<a href="http://code.google.com/p/gtkmm-utils/">http://code.google.com/p/gtkmm-utils/</a>
<i>gtkmm24</i>	2.16.0	2.18.1	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>gtksourcecompletion</i>	0.5.2	0.7.0	<a href="http://gtksourcecomple.sourceforge.net/">http://gtksourcecomple.sourceforge.net/</a>
<i>gtksourceview2</i>	2.6.1	2.8.1	<a href="http://gtksourceview.sourceforge.net/">http://gtksourceview.sourceforge.net/</a>
<i>guiloader</i>	2.13.0	2.15.0	<a href="http://crow-designer.sourceforge.net/">http://crow-designer.sourceforge.net/</a>
<i>guiloader-c++</i>	2.13.0	2.15.0	<a href="http://crow-designer.sourceforge.net/">http://crow-designer.sourceforge.net/</a>
<i>gupnp</i>	0.12.7	0.13.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-av</i>	0.4	0.5.1	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-igd</i>	0.1.1	0.1.3	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gupnp-tools</i>	0.7.1	0.8	<a href="http://www.gupnp.org/">http://www.gupnp.org/</a>
<i>gutenprint-foomatic</i>	5.2.3	5.2.4	<a href="http://gimp-print.sourceforge.net/">http://gimp-print.sourceforge.net/</a>
<i>gvfs</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gvfs-afc</i>	new	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gvfs-archive</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gvfs-fuse</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gvfs-gphoto2</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gvfs-obexftp</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gvfs-smb</i>	1.2.3	1.4.1	<a href="http://www.gtk.org">http://www.gtk.org</a>
<i>gypsy</i>	0.6	0.7	<a href="http://gypsy.freedesktop.org/">http://gypsy.freedesktop.org/</a>

组件	老版本	新版本	上游URL
<i>hal</i>	0.5.12	0.5.13	<a href="http://www.freedesktop.org/Software/hal">http://www.freedesktop.org/Software/hal</a>
<i>hal-info</i>	20090414	20090716	<a href="http://www.freedesktop.org/Software/hal">http://www.freedesktop.org/Software/hal</a>
<i>hamlib</i>	1.2.8	1.2.9	<a href="http://hamlib.sourceforge.net">http://hamlib.sourceforge.net</a>
<i>hdf5</i>	1.8.2	1.8.3	<a href="http://www.hdfgroup.org/HDF5/">http://www.hdfgroup.org/HDF5/</a>
<i>healpix-c++</i>	2.11c	2.12a	<a href="http://healpix.jpl.nasa.gov/">http://healpix.jpl.nasa.gov/</a>
<i>healpix-c++-devel</i>	2.11c	2.12a	<a href="http://healpix.jpl.nasa.gov/">http://healpix.jpl.nasa.gov/</a>
<i>hplip-common</i>	new	3.9.8	<a href="http://hplip.sourceforge.net/">http://hplip.sourceforge.net/</a>
<i>hplip-libs</i>	3.9.2	3.9.8	<a href="http://hplip.sourceforge.net/">http://hplip.sourceforge.net/</a>
<i>hulahop</i>	0.4.9	0.6.0	<a href="http://www.sugarlabs.org">http://www.sugarlabs.org</a>
<i>ibus</i>	1.1.0.20090423	1.2.0.20091024	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-anthy</i>	1.1.0.20090402	1.2.0.20090917	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-chewing</i>	1.0.10.20090523	1.2.0.20091002	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-gtk</i>	1.1.0.20090423	1.2.0.20091024	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-hangul</i>	1.1.0.20090328	1.2.0.20090617	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-libs</i>	1.1.0.20090423	1.2.0.20091024	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-m17n</i>	1.1.0.20090211	1.2.0.20090617	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-pinyin</i>	1.1.0.20090303	1.2.0.20090915	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-qt</i>	new	1.2.0.20091014	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-rawcode</i>	1.0.0.20090303	1.2.0.20090703	<a href="http://github.com/pravins/ibus-rawcode/tree/master">http://github.com/pravins/ibus-rawcode/tree/master</a>

组件	老版本	新版本	上游URL
<i>ibus-sayura</i>	1.0.0.20090326	1.2.0.20090703	<a href="http://github.com/pravins/ibus-sayura/tree/master">http://github.com/pravins/ibus-sayura/tree/master</a>
<i>ibus-table</i>	1.1.0.20090316	1.2.0.20090912	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-additional</i>	1.1.0.20090316	1.2.0.20090912	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-array30</i>	new	1.2.0.20090729	<a href="http://github.com/definite/ibus-table-array30/tree/master">http://github.com/definite/ibus-table-array30/tree/master</a>
<i>ibus-table-cangjie</i>	1.1.0.20090309	1.2.0.20090831	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-erbi</i>	1.1.0.20090407	1.2.0.20090901	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-extraphrase</i>	new	1.1.0.20090415	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-quick</i>	new	1.2.0.20090902	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-translit</i>	new	1.2.0.20090907	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-wubi</i>	1.1.0.20090327	1.2.0.20090715	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-xinhua</i>	new	1.2.0.20090720	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ibus-table-yong</i>	new	1.2.0.20090717	<a href="http://code.google.com/p/ibus/">http://code.google.com/p/ibus/</a>
<i>ifuse</i>	0.1.0	0.9.3	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>
<i>igraph</i>	0.5.1	0.5.2	<a href="http://cneurocv.s.rmki.kfki.hu/igraph">http://cneurocv.s.rmki.kfki.hu/igraph</a>
<i>iksemel</i>	1.3	1.4	<a href="http://code.google.com/p/iksemel/">http://code.google.com/p/iksemel/</a>
<i>iniparser</i>	new	3.0	<a href="http://ndevilla.free.fr/iniparser/">http://ndevilla.free.fr/iniparser/</a>
<i>ipa-python</i>	1.2.1	1.2.2	<a href="http://www.freeipa.org/">http://www.freeipa.org/</a>
<i>irrlight</i>	1.5	1.5.1	<a href="http://irrlight.sourceforge.net/">http://irrlight.sourceforge.net/</a>
<i>jVorbisEnc</i>	new	0.1	<a href="http://zbignew.sudnik.org/app/vorbis/vorbis.html">http://zbignew.sudnik.org/app/vorbis/vorbis.html</a>
<i>jana</i>	new	0.4.5	<a href="http://git.gnome.org/cgit/jana/">http://git.gnome.org/cgit/jana/</a>

组件	老版本	新版本	上游URL
<i>jcommon</i>	1.0.15	1.0.16	<a href="http://www.jfree.org/jcommon">http://www.jfree.org/jcommon</a>
<i>jcommon-xml</i>	1.0.15	1.0.16	<a href="http://www.jfree.org/jcommon">http://www.jfree.org/jcommon</a>
<i>jjack</i>	new	0.3	<a href="http://jjack.berlios.de/">http://jjack.berlios.de/</a>
<i>jorbis</i>	new	0.0.17	<a href="http://www.jcraft.com/jorbis/index.html">http://www.jcraft.com/jorbis/index.html</a>
<i>jorbis-comment</i>	new	0.0.17	<a href="http://www.jcraft.com/jorbis/index.html">http://www.jcraft.com/jorbis/index.html</a>
<i>jorbis-player</i>	new	0.0.17	<a href="http://www.jcraft.com/jorbis/index.html">http://www.jcraft.com/jorbis/index.html</a>
<i>json-glib</i>	0.6.2	0.8.0	<a href="http://live.gnome.org/JsonGlib">http://live.gnome.org/JsonGlib</a>
<i>jss</i>	4.2.5	4.2.6	<a href="http://www.mozilla.org/projects/security/pki/jss/">http://www.mozilla.org/projects/security/pki/jss/</a>
<i>kdeaccessibility-libs</i>	new	4.3.2	<a href="http://accessibility.kde.org/">http://accessibility.kde.org/</a>
<i>kdebase-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-runtime-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeedu-kstars-libs</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeedu-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeedu-marble-libs</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdegames-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdegraphics-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdelibs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdelibs-common</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdelibs-experimental</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdemultimedia-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdenetwork-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kdepim-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepim-runtime-libs</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepimlibs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdepimlibs-akonadi</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeplasma-addons-libs</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdesdk-libs</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeutils-libs</i>	new	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>



组件	老版本	新版本	上游URL
<i>kgtk</i>	0.9.4	0.10.1	<a href="http://www.kde-apps.org/content/show.php?content=36077">http://www.kde-apps.org/content/show.php?content=36077</a>
<i>kio_msits</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kio_sysinfo</i>	20090216	20090930	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kmymoney2-libs</i>	0.9.3	1.0.1	<a href="http://kmymoney2.sourceforge.net/">http://kmymoney2.sourceforge.net/</a>
<i>knetworkmanager-libs</i>	new	0.9	<a href="http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/">http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/</a>
<i>krb5-libs</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>krb5-pkinit-openssl</i>	1.6.3	1.7	<a href="http://web.mit.edu/kerberos/www/">http://web.mit.edu/kerberos/www/</a>
<i>ktorrent-libs</i>	new	3.2.5	<a href="http://ktorrent.org/">http://ktorrent.org/</a>
<i>lcdproc</i>	0.5.2	0.5.3	<a href="http://lcdproc.omnipotent.net">http://lcdproc.omnipotent.net</a>
<i>ldns</i>	1.5.1	1.6.1	<a href="http://www.nlnetlabs.nl/ldns/">http://www.nlnetlabs.nl/ldns/</a>
<i>lensfun</i>	0.2.3	0.2.4	<a href="http://lensfun.berlios.de/">http://lensfun.berlios.de/</a>
<i>lesstif</i>	0.95.0	0.95.2	<a href="http://www.lesstif.org/">http://www.lesstif.org/</a>
<i>libEMF</i>	1.0.3	1.0.4	<a href="http://libemf.sourceforge.net/">http://libemf.sourceforge.net/</a>
<i>libHX</i>	2.5	3.1	<a href="http://sourceforge.net/projects/libhx/">http://sourceforge.net/projects/libhx/</a>
<i>libICE</i>	1.0.4	1.0.6	<a href="http://www.x.org">http://www.x.org</a>
<i>libX11</i>	1.2	1.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libX11-common</i>	new	1.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libXScrnSaver</i>	1.1.3	1.2.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libXau</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXaw</i>	1.0.4	1.0.6	<a href="http://www.x.org">http://www.x.org</a>
<i>libXcomposite</i>	0.4.0	0.4.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXcursor</i>	1.1.9	1.1.10	<a href="http://www.x.org">http://www.x.org</a>
<i>libXdamage</i>	1.1.1	1.1.2	<a href="http://www.x.org">http://www.x.org</a>
<i>libXdmcp</i>	1.0.2	1.0.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libXext</i>	1.0.99.1	1.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXfixes</i>	4.0.3	4.0.4	<a href="http://www.x.org">http://www.x.org</a>

组件	老版本	新版本	上游URL
<i>libXfont</i>	1.4.0	1.4.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXi</i>	1.2.1	1.3	<a href="http://www.x.org">http://www.x.org</a>
<i>libXinerama</i>	1.0.3	1.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXmu</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXpm</i>	3.5.7	3.5.8	<a href="http://www.x.org">http://www.x.org</a>
<i>libXrandr</i>	1.2.99.4	1.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libXrender</i>	0.9.4	0.9.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXres</i>	1.0.3	1.0.4	<a href="http://www.x.org">http://www.x.org</a>
<i>libXt</i>	1.0.5	1.0.7	<a href="http://www.x.org">http://www.x.org</a>
<i>libXtst</i>	1.0.3	1.0.99.2	<a href="http://www.x.org">http://www.x.org</a>
<i>libXv</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libXxf86dga</i>	1.0.2	1.1.1	<a href="http://www.x.org">http://www.x.org</a>
<i>libXxf86misc</i>	1.0.1	1.0.2	<a href="http://www.x.org">http://www.x.org</a>
<i>libXxf86vm</i>	1.0.2	1.1.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libabiword</i>	2.6.8	2.8.1	<a href="http://www.abisource.com/">http://www.abisource.com/</a>
<i>libarchive</i>	2.6.2	2.7.1	<a href="http://code.google.com/p/libarchive/">http://code.google.com/p/libarchive/</a>
<i>libass</i>	0.9.6	0.9.7	<a href="http://code.google.com/p/libass/">http://code.google.com/p/libass/</a>
<i>libasyncns</i>	0.7	0.8	<a href="http://0pointer.de/lennart/projects/libasyncns/">http://0pointer.de/lennart/projects/libasyncns/</a>
<i>libatasmart</i>	0.12	0.17	<a href="http://git.0pointer.de/?p=libatasmart.git;a=summary">http://git.0pointer.de/?p=libatasmart.git;a=summary</a>
<i>libbdevid-python</i>	6.0.86	6.0.93	<a href="http://git.fedoraproject.org/git/hosted/mkinitrd">git://git.fedoraproject.org/git/hosted/mkinitrd</a>
<i>libbonobo</i>	2.24.1	2.24.2	<a href="http://ftp.gnome.org">http://ftp.gnome.org</a>
<i>libbonoboui</i>	2.24.1	2.24.2	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>libburn</i>	0.6.0	0.7.0	<a href="http://libburnia-project.org/">http://libburnia-project.org/</a>
<i>libcanberra</i>	0.12	0.22	<a href="http://git.0pointer.de/?p=libcanberra.git;a=summary">http://git.0pointer.de/?p=libcanberra.git;a=summary</a>
<i>libcanberra-gtk2</i>	0.12	0.22	<a href="http://git.0pointer.de/?p=libcanberra.git;a=summary">http://git.0pointer.de/?p=libcanberra.git;a=summary</a>
<i>libcap-ng</i>	new	0.6.2	<a href="http://people.redhat.com/sgrubb/libcap-ng">http://people.redhat.com/sgrubb/libcap-ng</a>

组件	老版本	新版本	上游URL
<i>libccss</i>	new	0.3.1	<a href="http://people.freedesktop.org/~robsta/libccss/">http://people.freedesktop.org/~robsta/libccss/</a>
<i>libchamplain</i>	0.2.9	0.4.2	<a href="http://projects.gnome.org/libchamplain/">http://projects.gnome.org/libchamplain/</a>
<i>libchamplain-gtk</i>	new	0.4.2	<a href="http://projects.gnome.org/libchamplain/">http://projects.gnome.org/libchamplain/</a>
<i>libcmptutil</i>	0.4	0.5	<a href="http://libvirt.org/CIM/">http://libvirt.org/CIM/</a>
<i>libcompizconfig</i>	0.7.8	0.8.2	<a href="http://www.opencompositing.org/">http://www.opencompositing.org/</a>
<i>libconfig</i>	1.3.1	1.3.2	<a href="http://www.hyperrealm.com/libconfig/">http://www.hyperrealm.com/libconfig/</a>
<i>libdaemon</i>	0.13	0.14	<a href="http://Opointer.de/lennart/projects/libdaemon/">http://Opointer.de/lennart/projects/libdaemon/</a>
<i>libdc1394</i>	2.1.0	2.1.2	<a href="http://sourceforge.net/projects/libdc1394/">http://sourceforge.net/projects/libdc1394/</a>
<i>libdmx</i>	1.0.2	1.1.0	<a href="http://www.x.org">http://www.x.org</a>
<i>libdrm</i>	2.4.6	2.4.15	<a href="http://dri.sourceforge.net">http://dri.sourceforge.net</a>
<i>libdvnav</i>	4.1.3	4.1.4	n/a
<i>libdvread</i>	4.1.3	4.1.4	n/a
<i>libepc</i>	0.3.9	0.3.10	<a href="http://live.gnome.org/libepc/">http://live.gnome.org/libepc/</a>
<i>libetpan</i>	0.57	0.58	<a href="http://www.etpan.org/">http://www.etpan.org/</a>
<i>libev</i>	3.53	3.80	<a href="http://software.schmorp.de/pkg/libev.html">http://software.schmorp.de/pkg/libev.html</a>
<i>libev-devel</i>	3.53	3.80	<a href="http://software.schmorp.de/pkg/libev.html">http://software.schmorp.de/pkg/libev.html</a>
<i>libevent</i>	1.4.5	1.4.12	<a href="http://monkey.org/~provos/libevent/">http://monkey.org/~provos/libevent/</a>
<i>libextractor</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-base</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>

组件	老版本	新版本	上游URL
<i>libextractor-plugins-exiv2</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-flac</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-ogg</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-ole2</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-pdf</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-thumbnailgtk</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libextractor-plugins-thumbnailqt</i>	0.5.22	0.5.23	<a href="http://gnunet.org/libextractor/">http://gnunet.org/libextractor/</a>
<i>libfontenc</i>	1.0.4	1.0.5	<a href="http://www.x.org">http://www.x.org</a>
<i>libfpill</i>	3.0.11	3.0.12	<a href="http://perso.ens-lyon.fr/damien.stehle/english.html#software">http://perso.ens-lyon.fr/damien.stehle/english.html#software</a>
<i>libftdi</i>	0.15	0.16	<a href="http://www.intra2net.com/de/produkte/opensource/ftdi/">http://www.intra2net.com/de/produkte/opensource/ftdi/</a>
<i>libfwbuilder</i>	3.0.3	3.0.5	<a href="http://www.fwbuilder.org/">http://www.fwbuilder.org/</a>
<i>libgadu</i>	1.8.2	1.9.0	<a href="http://toxygen.net/libgadu/">http://toxygen.net/libgadu/</a>
<i>libgarmin</i>	new	0	<a href="http://libgarmin.sourceforge.net/">http://libgarmin.sourceforge.net/</a>
<i>libgcc</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libgcj</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libgcj-src</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libgda</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-mdb</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-mysql</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-postgres</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgda-sqlite</i>	4.0.0	4.0.4	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgdamm</i>	3.99.14	3.99.17.1	<a href="http://www.gtkmm.org/">http://www.gtkmm.org/</a>

组件	老版本	新版本	上游URL
<i>libgdata</i>	0.1.1	0.5.0	<a href="http://live.gnome.org/libgdata">http://live.gnome.org/libgdata</a>
<i>libgdiplus</i>	2.4	2.4.2	<a href="http://mono-project.com/Libgdiplus">http://mono-project.com/Libgdiplus</a>
<i>libgee</i>	0.1.5	0.3.0	<a href="http://live.gnome.org/Libgee">http://live.gnome.org/Libgee</a>
<i>libgfortran</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libglpng</i>	new	1.45	<a href="https://admin.fedoraproject.org/pkgdb/packages/name/libglpng">https://admin.fedoraproject.org/pkgdb/packages/name/libglpng</a>
<i>libgnat</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libgnat-devel</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libgnome</i>	2.26.0	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>

表 57. All System\_Environment-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>libgnomedb</i>	3.99.7	dropped	<a href="http://www.gnome-db.org/">http://www.gnome-db.org/</a>
<i>libgnomekbd</i>	2.26.0	2.28.0	<a href="http://gswitchit.sourceforge.net">http://gswitchit.sourceforge.net</a>
<i>libgnomemm26</i>	2.26.0	2.28.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>libgnomeuimm26</i>	2.26.0	2.28.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>libgomp</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libgpod</i>	0.7.0	0.7.2	<a href="http://www.gtkpod.org/libgpod.html">http://www.gtkpod.org/libgpod.html</a>
<i>libgsf</i>	1.14.11	1.14.15	<a href="http://www.gnome.org/projects/libgsf/">http://www.gnome.org/projects/libgsf/</a>
<i>libgsf-gnome</i>	1.14.11	1.14.15	<a href="http://www.gnome.org/projects/libgsf/">http://www.gnome.org/projects/libgsf/</a>
<i>libgtop2</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/libgtop/2.28">http://download.gnome.org/sources/libgtop/2.28</a>
<i>libgweather</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>libhangul</i>	0.0.8	0.0.9	<a href="http://kldp.net/projects/hangul/">http://kldp.net/projects/hangul/</a>
<i>libhbalinux</i>	1.0.7	1.0.8	<a href="http://www.open-fcoe.org">http://www.open-fcoe.org</a>
<i>libhugetlbfs</i>	2.2	2.6	<a href="http://libhugetlbfs.sourceforge.net/">http://libhugetlbfs.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>libibcommon</i>	1.1.0	1.2.0	<a href="http://openfabrics.org/">http://openfabrics.org/</a>
<i>libibcommon-devel</i>	1.1.0	1.2.0	<a href="http://openfabrics.org/">http://openfabrics.org/</a>
<i>libibcommon-static</i>	1.1.0	1.2.0	<a href="http://openfabrics.org/">http://openfabrics.org/</a>
<i>libibmad</i>	1.2.0	1.3.2	<a href="http://openfabrics.org/">http://openfabrics.org/</a>
<i>libibmad-devel</i>	1.2.0	1.3.2	<a href="http://openfabrics.org/">http://openfabrics.org/</a>
<i>libibmad-static</i>	1.2.0	1.3.2	<a href="http://openfabrics.org/">http://openfabrics.org/</a>
<i>libibumad</i>	1.2.0	1.3.2	<a href="http://openfabrics.org/">http://openfabrics.org</a>
<i>libibumad-devel</i>	1.2.0	1.3.2	<a href="http://openfabrics.org/">http://openfabrics.org</a>
<i>libibumad-static</i>	1.2.0	1.3.2	<a href="http://openfabrics.org/">http://openfabrics.org</a>
<i>libicns</i>	0.6.2	0.7.0	<a href="http://icns.sourceforge.net/">http://icns.sourceforge.net/</a>
<i>libicu</i>	4.0.1	4.2.1	<a href="http://www.icu-project.org/">http://www.icu-project.org/</a>
<i>libinfinity</i>	new	0.3.0	<a href="http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity">http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity</a>
<i>libinfinity-gtk</i>	new	0.3.0	<a href="http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity">http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity</a>
<i>libint</i>	new	1.1.4	<a href="http://www.files.chem.vt.edu/chem-dept/valeev/software/libint/libint.html">http://www.files.chem.vt.edu/chem-dept/valeev/software/libint/libint.html</a>
<i>libiodbc</i>	new	3.52.7	<a href="http://www.iodbc.org/">http://www.iodbc.org/</a>
<i>libiphone</i>	0.1.0	0.9.3	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>
<i>libirman</i>	new	0.4.5	<a href="http://lirc.sourceforge.net/software/snapshots/">http://lirc.sourceforge.net/software/snapshots/</a>
<i>libisofs</i>	0.6.16	0.6.20	<a href="http://libburnia-project.org/">http://libburnia-project.org/</a>
<i>libitl</i>	0.6.4	0.7.0	<a href="http://www.arabeyes.org/project.php?proj=ITL">http://www.arabeyes.org/project.php?proj=ITL</a>
<i>libkate</i>	0.3.1	0.3.6	<a href="http://code.google.com/p/libkate/">http://code.google.com/p/libkate/</a>
<i>libklfbbackend</i>	new	3.0.1	<a href="http://klatexformula.sourceforge.net/">http://klatexformula.sourceforge.net/</a>
<i>libksba</i>	1.0.5	1.0.6	<a href="http://www.gnupg.org/">http://www.gnupg.org/</a>
<i>liblastfm</i>	new	0.3.0	<a href="http://github.com/mxcl/liblastfm/tree/master">http://github.com/mxcl/liblastfm/tree/master</a>

组件	老版本	新版本	上游URL
<i>liblqr-1</i>	0.1.0	0.4.1	<a href="http://liquidrescale.wikidot.com/">http://liquidrescale.wikidot.com/</a>
<i>libmemcached</i>	new	0.31	<a href="http://tangent.org/552/libmemcached.html">http://tangent.org/552/libmemcached.html</a>
<i>libmetalink</i>	new	0.0.3	<a href="https://launchpad.net/libmetalink">https://launchpad.net/libmetalink</a>
<i>libmkv</i>	0.6.3.1	0.6.4	<a href="http://repo.or.cz/w/libmkv.git">http://repo.or.cz/w/libmkv.git</a>
<i>libmowgli</i>	0.5.0	0.7.0	<a href="http://atheme.org">http://atheme.org</a>
<i>libmtp</i>	0.3.7	1.0.1	<a href="http://libmtp.sourceforge.net/">http://libmtp.sourceforge.net/</a>
<i>libmtp-devel</i>	0.3.7	1.0.1	<a href="http://libmtp.sourceforge.net/">http://libmtp.sourceforge.net/</a>
<i>libmudflap</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libnet</i>	1.1.3	1.1.4	<a href="http://www.sourceforge.net/projects/libnet-dev/">http://www.sourceforge.net/projects/libnet-dev/</a>
<i>libnice</i>	0.0.6	0.0.9	<a href="http://nice.freedesktop.org/wiki/">http://nice.freedesktop.org/wiki/</a>
<i>libobjc</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libogg</i>	1.1.3	1.1.4	<a href="http://www.xiph.org/">http://www.xiph.org/</a>
<i>libopensync-plugin-synce</i>	0.22	0.22.1	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libopensync-plugin-synce-wm5</i>	0.13	0.14	<a href="http://www.synce.org/">http://www.synce.org/</a>
<i>libotf</i>	0.9.8	0.9.9	<a href="http://www.m17n.org/libotf/">http://www.m17n.org/libotf/</a>
<i>libpanelappletmm</i>	2.22.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>libpathfinder-nss</i>	new	1.1.0	<a href="http://code.google.com/p/pathfinder-pki/">http://code.google.com/p/pathfinder-pki/</a>
<i>libpathfinder-openssl</i>	new	1.1.0	<a href="http://code.google.com/p/pathfinder-pki/">http://code.google.com/p/pathfinder-pki/</a>
<i>libpciaccess</i>	0.10.5	0.10.9	<a href="http://gitweb.freedesktop.org/?p=xorg/lib/libpciaccess.git">http://gitweb.freedesktop.org/?p=xorg/lib/libpciaccess.git</a>
<i>libplist</i>	new	0.13	<a href="http://matt.colyer.name/projects/iphone-linux/">http://matt.colyer.name/projects/iphone-linux/</a>
<i>libpng</i>	1.2.35	1.2.39	<a href="http://www.libpng.org/pub/png/">http://www.libpng.org/pub/png/</a>

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<i>libpng10</i>	1.0.43	1.0.50	<a href="http://www.libpng.org/pub/png/libpng.html">http://www.libpng.org/pub/png/libpng.html</a>
<i>libprelude</i>	0.9.21.2	0.9.24.1	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>libprelude-devel</i>	0.9.21.2	0.9.24.1	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>libprelude-perl</i>	0.9.21.2	0.9.24.1	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>libprelude-python</i>	0.9.21.2	0.9.24.1	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>libprelude-ruby</i>	0.9.21.2	0.9.24.1	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>libpri</i>	1.4.7	1.4.10	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>libpuzzle</i>	new	0.11	<a href="http://libpuzzle.pureftpd.org/project/libpuzzle">http://libpuzzle.pureftpd.org/project/libpuzzle</a>
<i>libqinfinity</i>	new	1.0	<a href="http://gregghaynes.github.com/libqinfinity/">http://gregghaynes.github.com/libqinfinity/</a>
<i>librapi</i>	0.13.1	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libraw1394</i>	2.0.1	2.0.4	<a href="http://www.dennedy.org/libraw1394/">http://www.dennedy.org/libraw1394/</a>
<i>librra</i>	0.13	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libsamplerate</i>	0.1.6	0.1.7	<a href="http://www.mega-nerd.com/SRC/">http://www.mega-nerd.com/SRC/</a>
<i>libselinux</i>	2.0.80	2.0.87	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsemanage</i>	2.0.31	2.0.39	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsepol</i>	2.0.36	2.0.38	<a href="http://www.selinuxproject.org">http://www.selinuxproject.org</a>
<i>libsigc++20</i>	2.2.2	2.2.4.2	<a href="http://libsigc.sourceforge.net/">http://libsigc.sourceforge.net/</a>
<i>libsilc</i>	1.1.8	1.1.10	<a href="http://www.silcnet.org/">http://www.silcnet.org/</a>
<i>libsndfile</i>	1.0.17	1.0.20	<a href="http://www.mega-nerd.com/libsndfile/">http://www.mega-nerd.com/libsndfile/</a>
<i>libss7</i>	1.0.1	1.0.2	<a href="http://www.asterisk.org/">http://www.asterisk.org/</a>
<i>libssh</i>	new	0.2	<a href="http://0xbadc0de.be/?part=libssh">http://0xbadc0de.be/?part=libssh</a>
<i>libssh2</i>	1.0	1.2	<a href="http://www.libssh2.org/">http://www.libssh2.org/</a>
<i>libstdc++</i>	4.4.0	4.4.2	<a href="http://gcc.gnu.org">http://gcc.gnu.org</a>
<i>libsynce</i>	0.13	0.14	<a href="http://www.synce.org">http://www.synce.org</a>
<i>libtasn1</i>	1.8	2.3	<a href="http://www.gnu.org/software/libtasn1/">http://www.gnu.org/software/libtasn1/</a>
<i>libthai</i>	0.1.9	0.1.12	<a href="http://linux.thai.net">http://linux.thai.net</a>



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<i>libtheora</i>	1.0	1.1.0	<a href="http://www.theora.org">http://www.theora.org</a>
<i>libtirpc</i>	0.1.10	0.2.0	<a href="http://nfsv4.bullopensource.org/">http://nfsv4.bullopensource.org/</a>
<i>libtnc</i>	new	1.22	<a href="http://libtnc.sourceforge.net/">http://libtnc.sourceforge.net/</a>
<i>libtorrent</i>	0.12.4	0.12.5	<a href="http://libtorrent.rakshasa.no/">http://libtorrent.rakshasa.no/</a>
<i>libudev</i>	new	145	<a href="http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html">http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html</a>
<i>libusb1</i>	1.0.0	1.0.3	<a href="http://libusb.wiki.sourceforge.net/Libusb1.0">http://libusb.wiki.sourceforge.net/Libusb1.0</a>
<i>libv4l</i>	0.5.9	0.6.3	<a href="http://hansdegoede.livejournal.com/3636.h">http://hansdegoede.livejournal.com/3636.h</a>
<i>libvmime</i>	new	0.9.0	<a href="http://www.vmime.org/">http://www.vmime.org/</a>
<i>libvncserver</i>	0.9.1	0.9.7	<a href="http://libvncserver.sourceforge.net/">http://libvncserver.sourceforge.net/</a>
<i>libvoikko</i>	2.1	2.2.1	<a href="http://voikko.sourceforge.net/">http://voikko.sourceforge.net/</a>
<i>libvorbis</i>	1.2.0	1.2.3	<a href="http://www.xiph.org/">http://www.xiph.org/</a>
<i>libwnck</i>	2.26.1	2.28.0	<a href="http://download.gnome.org/sources/libwnck/">http://download.gnome.org/sources/libwnck/</a>
<i>libwvstreams</i>	4.5.1	4.6	<a href="http://alumnit.ca/wiki/index.php?page=WvStreams">http://alumnit.ca/wiki/index.php?page=WvStreams</a>
<i>libxcb</i>	1.2	1.4	<a href="http://xcb.freedesktop.org/">http://xcb.freedesktop.org/</a>
<i>libxdg-basedir</i>	new	1.0.2	<a href="http://n.ethz.ch/student/nevillm/download/libxdg-basedir">http://n.ethz.ch/student/nevillm/download/libxdg-basedir</a>
<i>libxkbfile</i>	1.0.4	1.0.6	<a href="http://www.x.org">http://www.x.org</a>
<i>libyaz</i>	3.0.41	3.0.49	<a href="http://www.indexdata.dk/yaz/">http://www.indexdata.dk/yaz/</a>
<i>libzdb</i>	2.4	2.6	<a href="http://www.tildeslash.com/libzdb/">http://www.tildeslash.com/libzdb/</a>
<i>lirc-libs</i>	0.8.5	0.8.6	<a href="http://www.lirc.org/">http://www.lirc.org/</a>
<i>lm_sensors-libs</i>	new	3.1.1	<a href="http://www.lm-sensors.org/">http://www.lm-sensors.org/</a>

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<i>lpsolve</i>	5.5.0.14	5.5.0.15	<a href="http://sourceforge.net/projects/lpsolve">http://sourceforge.net/projects/lpsolve</a>
<i>lvm2-libs</i>	new	2.02.53	<a href="http://sources.redhat.com/lvm2">http://sources.redhat.com/lvm2</a>
<i>lxc-libs</i>	new	0.6.3	<a href="http://lxc.sourceforge.net">http://lxc.sourceforge.net</a>
<i>m17n-contrib</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-assamese</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-bengali</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-chinese</i>	new	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-czech</i>	new	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-esperanto</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-gujarati</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-hindi</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-kannada</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-kashmiri</i>	new	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-maithili</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-malayalam</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-marathi</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-nepali</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-oriya</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-pashto</i>	new	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-punjabi</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>

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<i>m17n-contrib-russian</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-sindhi</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-sinhala</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-tai</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-tamil</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-telugu</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-urdu</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-contrib-vietnamese</i>	1.1.9	1.1.10	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-amharic</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-arabic</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-armenian</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-assamese</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-bengali</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-cham</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-chinese</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-common-cjk</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-croatian</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-danish</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-datafiles</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-dhivehi</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>

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<i>m17n-db-farsi</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-french</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-generic</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-greek</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-gregorian</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-gujarati</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-hebrew</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-hindi</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-japanese</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-kannada</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-kazakh</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-khmer</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-korean</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-lao</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-latin</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-malayalam</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-myanmar</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-oriya</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-punjabi</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-russian</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-sanskrit</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>

组件	老版本	新版本	上游URL
<i>m17n-db-serbian</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-sinhala</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-slovak</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-swedish</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-syriac</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-tamil</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-telugu</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-thai</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-tibetan</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-uyghur</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-db-vietnamese</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m17n-lib</i>	1.5.4	1.5.5	<a href="http://www.m17n.org/m17n-lib/index.html">http://www.m17n.org/m17n-lib/index.html</a>
<i>m2crypto</i>	0.19.1	0.20.1	<a href="http://wiki.osafoundation.org/bin/view/Projects/MeTooCrypto">http://wiki.osafoundation.org/bin/view/Projects/MeTooCrypto</a>
<i>matio</i>	new	1.3.3	<a href="http://sourceforge.net/projects/matio">http://sourceforge.net/projects/matio</a>
<i>menu-cache</i>	0.2.3	0.2.5	<a href="http://lxde.org">http://lxde.org</a>
<i>mesa-libGL</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>mesa-libGLU</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>mesa-libOSMesa</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>meshmagick-libs</i>	0.5.2	0.6.0	<a href="http://www.ogre3d.org/wiki/index.php/MeshMagick">http://www.ogre3d.org/wiki/index.php/MeshMagick</a>
<i>mhash</i>	0.9.9	0.9.9.9	<a href="http://mhash.sourceforge.net/">http://mhash.sourceforge.net/</a>
<i>mimetic</i>	0.9.5	0.9.6	<a href="http://codesink.org/mimetic_mime_library.html">http://codesink.org/mimetic_mime_library.html</a>

组件	老版本	新版本	上游URL
<i>mingw32-enchanted</i>	new	1.5.0	<a href="http://www.abisource.com/">http://www.abisource.com/</a>
<i>mingw32-hunspell</i>	new	1.2.8	<a href="http://hunspell.sourceforge.net/">http://hunspell.sourceforge.net/</a>
<i>mingw32-libgladem2</i>	new	2.6.7	<a href="http://gtkmm.sourceforge.net/">http://gtkmm.sourceforge.net/</a>
<i>mingw32-libsqlite3x</i>	new	20071018	<a href="http://www.wanderinghorse.net/computing/sqlite/">http://www.wanderinghorse.net/computing/sqlite/</a>
<i>mingw32-libtiff</i>	new	3.8.2	<a href="http://www.remotesensing.org/libtiff/">http://www.remotesensing.org/libtiff/</a>

表 58. All System\_Environment-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>mingw32-libxml++</i>	new	2.26.0	<a href="http://libxmlplusplus.sourceforge.net/">http://libxmlplusplus.sourceforge.net/</a>
<i>mingw32-zfstream</i>	new	20041202	<a href="http://www.wanderinghorse.net/computing/zfstream/">http://www.wanderinghorse.net/computing/zfstream/</a>
<i>mmdb</i>	1.19	1.21	<a href="http://www.ebi.ac.uk/~keb/cldoc/">http://www.ebi.ac.uk/~keb/cldoc/</a>
<i>moblin-panel-applications</i>	new	0.0.2	<a href="http://www.moblin.org">http://www.moblin.org</a>
<i>moblin-panel-myzone</i>	new	0.0.8	<a href="http://www.moblin.org">http://www.moblin.org</a>
<i>moblin-panel-pasteboard</i>	new	0.0.2	<a href="http://www.moblin.org">http://www.moblin.org</a>
<i>mod_wsgi</i>	2.3	2.5	<a href="http://modwsgi.org">http://modwsgi.org</a>
<i>mysql-connector-java</i>	3.1.12	5.1.8	<a href="http://dev.mysql.com/downloads/connector/j/5.1.html">http://dev.mysql.com/downloads/connector/j/5.1.html</a>
<i>mysql-gui-common</i>	5.0r12	5.0r14	<a href="http://www.mysql.com/products/tools/administrator/index.html">http://www.mysql.com/products/tools/administrator/index.html</a>
<i>nbtkt</i>	new	1.2.0	<a href="http://moblin.org/projects/netbook-toolkit-nbtkt">http://moblin.org/projects/netbook-toolkit-nbtkt</a>
<i>neon</i>	0.28.4	0.29.0	<a href="http://www.webdav.org/neon/">http://www.webdav.org/neon/</a>
<i>netcf</i>	new	0.1.2	<a href="https://fedorahosted.org/netcf/">https://fedorahosted.org/netcf/</a>

组件	老版本	新版本	上游URL
<i>netcf-libs</i>	new	0.1.2	<a href="https://fedorahosted.org/netcf/">https:// fedorahosted.org/netcf/</a>
<i>netpbm</i>	10.35.62	10.47.04	<a href="http://netpbm.sourceforge.net/">http:// netpbm.sourceforge.net/</a>
<i>newt</i>	0.52.10	0.52.11	<a href="https://fedorahosted.org/newt/">https:// fedorahosted.org/newt/</a>
<i>notification-daemon</i>	0.4.0	0.4.1	<a href="http://www.galago-project.org/specs/notification/">http://www.galago- project.org/specs/ notification/</a>
<i>nspr</i>	4.7.3	4.8.2	<a href="http://www.mozilla.org/projects/nspr/">http://www.mozilla.org/ projects/nspr/</a>
<i>nss</i>	3.12.3	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/ projects/security/pki/ nss/</a>
<i>nss-myhostname</i>	new	0.2	<a href="http://0pointer.de/lennart/projects/nss-myhostname/">http://0pointer.de/ lennart/projects/nss- myhostname/</a>
<i>nss-softokn</i>	new	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/ projects/security/pki/ nss/</a>
<i>nss-util</i>	new	3.12.4	<a href="http://www.mozilla.org/projects/security/pki/nss/">http://www.mozilla.org/ projects/security/pki/ nss/</a>
<i>ntl</i>	new	5.5.2	<a href="http://shoup.net/ntl/">http://shoup.net/ntl/</a>
<i>numactl-devel</i>	2.0.2	2.0.3	<a href="ftp://oss.sgi.com/www/projects/libnuma/download">ftp://oss.sgi.com/www/ projects/libnuma/ download</a>
<i>ocaml-lablgl</i>	1.03	1.04	<a href="http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablg.html">http:// wwwfun.kurims.kyoto- u.ac.jp/soft/olabl/ lablg.html</a>
<i>ocaml-labgtk</i>	2.12.0	2.14.0	<a href="http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/labgtk.html">http:// wwwfun.kurims.kyoto- u.ac.jp/soft/olabl/ labgtk.html</a>
<i>ocaml-labgtk-doc</i>	2.12.0	2.14.0	<a href="http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/labgtk.html">http:// wwwfun.kurims.kyoto- u.ac.jp/soft/olabl/ labgtk.html</a>
<i>ocaml-labltk</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-runtime</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ocaml-x11</i>	3.11.0	3.11.1	<a href="http://www.ocaml.org">http://www.ocaml.org</a>
<i>ode</i>	0.11	0.11.1	<a href="http://www.ode.org">http://www.ode.org</a>

组件	老版本	新版本	上游URL
<i>ogre</i>	1.6.1	1.6.4	<a href="http://www.ogre3d.org/">http://www.ogre3d.org/</a>
<i>oorexx-libs</i>	3.2.0	4.0.0	<a href="http://www.oorexx.org">http://www.oorexx.org</a>
<i>opal</i>	3.6.1	3.6.6	<a href="http://www.opalvoip.org/">http:// www.opalvoip.org/</a>
<i>openaislib</i>	0.94	1.1.0	<a href="http://developer.osdl.org/dev/openais/">http:// developer.osdl.org/dev/ openais/</a>
<i>openal-soft</i>	new	1.9.563	<a href="http://kcat.strangesoft.net/openal.html">http:// kcat.strangesoft.net/ openal.html</a>
<i>opencryptoki-libs</i>	new	2.3.0	<a href="http://sourceforge.net/projects/opencryptoki">http://sourceforge.net/ projects/opencryptoki</a>
<i>openct</i>	0.6.15	0.6.17	<a href="http://www.opensc-project.org/openct/">http://www.opensc- project.org/openct/</a>
<i>opensc</i>	0.11.7	0.11.9	<a href="http://www.opensc-project.org/opensc/">http://www.opensc- project.org/opensc/</a>
<i>openscap</i>	0.1.4	0.5.3	<a href="http://www.openscap.org/">http://www.open- scap.org/</a>
<i>opensm-libs</i>	3.2.1	3.3.2	<a href="http://www.openfabrics.org/">http:// www.openfabrics.org/</a>
<i>openssl</i>	0.9.8k	1.0.0	<a href="http://www.openssl.org/">http://www.openssl.org/</a>
<i>openvml</i>	0.17.12	0.18.3	<a href="http://openvml.org">http://openvml.org</a>
<i>openvml-gf</i>	0.17.12	0.18.3	<a href="http://openvml.org">http://openvml.org</a>
<i>pango</i>	1.24.1	1.26.0	<a href="http://www.pango.org">http://www.pango.org</a>
<i>pangomm</i>	2.24.0	2.26.0	<a href="http://gtkmm.sourceforge.net/">http:// gtkmm.sourceforge.net/</a>
<i>papyrus</i>	0.11.0	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http:// libpapyrus.sourceforge.net/</a>
<i>papyrus-extras</i>	0.11.0	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http:// libpapyrus.sourceforge.net/</a>
<i>papyrus-gtkmm</i>	0.11.0	0.12.1	<a href="http://libpapyrus.sourceforge.net/">http:// libpapyrus.sourceforge.net/</a>
<i>pciutils-libs</i>	3.1.2	3.1.4	<a href="http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml">http:// atrey.karlin.mff.cuni.cz/ ~mj/pciutils.shtml</a>
<i>perl-PDF-API2</i>	0.72.003	0.73	<a href="http://search.cpan.org/dist/PDF-API2/">http://search.cpan.org/ dist/PDF-API2/</a>
<i>perl-openbabel</i>	2.2.1	2.2.3	<a href="http://openbabel.org/">http://openbabel.org/</a>
<i>php-PHPMailer</i>	new	5.0.2	<a href="http://phpmailer.worxware.com/">http:// phpmailer.worxware.com/</a>
<i>php-embedded</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>



组件	老版本	新版本	上游URL
<i>php-enchanted</i>	new	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-hkit</i>	new	0.5	<a href="http://allinthehead.com/hkit">http://allinthehead.com/hkit</a>
<i>php-intl</i>	new	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-pspell</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>php-recode</i>	5.2.9	5.3.0	<a href="http://www.php.net/">http://www.php.net/</a>
<i>physfs</i>	1.0.1	1.0.2	<a href="http://www.icculus.org/physfs/">http://www.icculus.org/physfs/</a>
<i>pixman</i>	0.14.0	0.16.2	<a href="http://cgit.freedesktop.org/pixman/">http://cgit.freedesktop.org/pixman/</a>
<i>podofl-libs</i>	new	0.7.0	<a href="http://podofl.sourceforge.net">http://podofl.sourceforge.net</a>
<i>polkit</i>	new	0.95	<a href="http://www.freedesktop.org/wiki/Software/PolicyKit">http://www.freedesktop.org/wiki/Software/PolicyKit</a>
<i>polyml-libs</i>	5.2	5.2.1	<a href="http://www.polyml.org">http://www.polyml.org</a>
<i>poppler-qt</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>poppler-qt4</i>	0.10.5	0.12.1	<a href="http://poppler.freedesktop.org/">http://poppler.freedesktop.org/</a>
<i>prelude-lml</i>	0.9.14	0.9.15	<a href="http://prelude-ids.org/">http://prelude-ids.org/</a>
<i>prelude-manager-db-plugin</i>	0.9.14.2	0.9.15	<a href="http://www.prelude-ids.org">http://www.prelude-ids.org</a>
<i>prelude-manager-smtp-plugin</i>	0.9.14.2	0.9.15	<a href="http://www.prelude-ids.org">http://www.prelude-ids.org</a>
<i>prelude-manager-xml-plugin</i>	0.9.14.2	0.9.15	<a href="http://www.prelude-ids.org">http://www.prelude-ids.org</a>
<i>ptlib</i>	2.6.1	2.6.5	<a href="http://www.opalvoip.org/">http://www.opalvoip.org/</a>
<i>ptouch-driver</i>	1.2	1.3	<a href="http://www.diku.dk/~panic/P-touch/">http://www.diku.dk/~panic/P-touch/</a>
<i>pulseaudio-libs</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-libs-glib2</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pulseaudio-libs-zeroconf</i>	0.9.15	0.9.19	<a href="http://pulseaudio.org/">http://pulseaudio.org/</a>
<i>pyabiword</i>	0.6.3	0.8.0	<a href="http://abisource.com/downloads/pyabiword/0.8.0/pyabiword-0.8.0.tar.gz">http://abisource.com/downloads/pyabiword/0.8.0/pyabiword-0.8.0.tar.gz</a>
<i>pyke</i>	1.0.1	1.0.2	<a href="http://pyke.sourceforge.net/">http://pyke.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>pykickstart</i>	1.54	1.64	<a href="http://fedoraproject.org/wiki/pykickstart">http://fedoraproject.org/wiki/pykickstart</a>
<i>pyparted</i>	2.0.12	2.1.2	<a href="http://fedorahosted.org/pyparted">http://fedorahosted.org/pyparted</a>
<i>python-IPy</i>	0.62	0.63	<a href="http://software.inl.fr/trac/trac.cgi/wiki/IPy">http://software.inl.fr/trac/trac.cgi/wiki/IPy</a>
<i>python-configobj</i>	4.5.3	4.6.0	<a href="http://www.voidspace.org.uk/python/configobj.html">http://www.voidspace.org.uk/python/configobj.html</a>
<i>python-coverage</i>	new	3.0.1	<a href="http://nedbatchelder.com/code/modules/coverage.html">http://nedbatchelder.com/code/modules/coverage.html</a>
<i>python-iwlib</i>	new	0.1	<a href="http://git.fedorahosted.org/git/python-iwlib.git">http://git.fedorahosted.org/git/python-iwlib.git</a>
<i>python-lash</i>	new	0.5.4	<a href="http://www.nongnu.org/lash/">http://www.nongnu.org/lash/</a>
<i>python-meh</i>	new	0.7	<a href="http://git.fedoraproject.org/git/?p=python-meh.git">http://git.fedoraproject.org/git/?p=python-meh.git</a>
<i>python-openbabel</i>	2.2.1	2.2.3	<a href="http://openbabel.org/">http://openbabel.org/</a>
<i>python-paste-deploy</i>	1.3.2	1.3.3	<a href="http://pythonpaste.org/deploy">http://pythonpaste.org/deploy</a>
<i>python-ply</i>	2.5	3.2	<a href="http://www.dabeaz.com/ply/">http://www.dabeaz.com/ply/</a>
<i>python-pyblock</i>	0.42	0.44	n/a
<i>python-simplejson</i>	2.0.7	2.0.9	<a href="http://undefined.org/python/#simplejson">http://undefined.org/python/#simplejson</a>
<i>python-slip</i>	0.1.15	0.2.7	<a href="http://fedorahosted.org/python-slip">http://fedorahosted.org/python-slip</a>
<i>python-slip-dbus</i>	0.1.15	0.2.7	<a href="http://fedorahosted.org/python-slip">http://fedorahosted.org/python-slip</a>
<i>python-slip-gtk</i>	0.1.15	0.2.7	<a href="http://fedorahosted.org/python-slip">http://fedorahosted.org/python-slip</a>
<i>python-tre</i>	0.7.5	0.7.6	<a href="http://laurikari.net/tre/">http://laurikari.net/tre/</a>
<i>python-twitter</i>	0.5	0.6	<a href="http://code.google.com/p/python-twitter/">http://code.google.com/p/python-twitter/</a>
<i>python-volume_key</i>	new	0.3	<a href="https://fedorahosted.org/volume_key/">https://fedorahosted.org/volume_key/</a>
<i>qca2</i>	2.0.1	2.0.2	<a href="http://delta.affinix.com/qca">http://delta.affinix.com/qca</a>

组件	老版本	新版本	上游URL
<i>qpidc</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidc-rdma</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidc-ssl</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidd-acl</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidd-rdma</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidd-ssl</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qpidd-xml</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>qt</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qt-mysql</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qt-odbc</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qt-postgresql</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qt-x11</i>	4.5.0	4.5.3	<a href="http://www.qtsoftware.com/">http://www.qtsoftware.com/</a>
<i>qtnx</i>	new	0.9	<a href="http://freenx.berlios.de/">http://freenx.berlios.de/</a>
<i>rb_libtorrent</i>	0.14.2	0.14.4	<a href="http://www.rasterbar.com/products/libtorrent/">http://www.rasterbar.com/products/libtorrent/</a>
<i>readline</i>	5.2	6.0	<a href="http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html">http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html</a>
<i>refmac-dictionary</i>	5.04	5.12	<a href="http://www.ysbl.york.ac.uk/~garib/refmac/latest_refmac.html">http://www.ysbl.york.ac.uk/~garib/refmac/latest_refmac.html</a>
<i>rest</i>	new	0.6.1	<a href="http://moblin.org/projects/librest">http://moblin.org/projects/librest</a>
<i>rhpxl</i>	1.12	dropped	<a href="http://fedoraproject.org/wiki/rhpxl">http://fedoraproject.org/wiki/rhpxl</a>
<i>rmol</i>	0.19.0	0.23.0	<a href="http://rmol.sourceforge.net">http://rmol.sourceforge.net</a>
<i>rtaudio-devel</i>	4.0.5	4.0.6	<a href="http://www.music.mcgill.ca/~gary/rtaudio/">http://www.music.mcgill.ca/~gary/rtaudio/</a>
<i>ruby-atk</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-bonobo2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>

组件	老版本	新版本	上游URL
<i>ruby-bonoboui2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gconf2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gdkpixbuf2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-glib2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gnome2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gnomecanvas2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gnomeprint2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gnomeprintui2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gnomevfs</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-goocanvas</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gstreamer</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtk2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtkglext</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtkhtml2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtkmozembed</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtksourceview</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-gtksourceview2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-libart2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-libglade2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-panelapplet2</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-pango</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>

组件	老版本	新版本	上游URL
<i>ruby-poppler</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-qmf</i>	new	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>
<i>ruby-rsvg</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>ruby-vte</i>	0.18.1	0.19.3	<a href="http://ruby-gnome2.sourceforge.jp/">http://ruby-gnome2.sourceforge.jp/</a>
<i>sane-backends</i>	1.0.19	1.0.20	<a href="http://www.sane-project.org">http://www.sane-project.org</a>
<i>sane-backends-libs</i>	1.0.19	1.0.20	<a href="http://www.sane-project.org">http://www.sane-project.org</a>
<i>sane-backends-libs-gphoto2</i>	1.0.19	1.0.20	<a href="http://www.sane-project.org">http://www.sane-project.org</a>
<i>schroedinger</i>	1.0.6	1.0.7	<a href="http://www.diracvideo.org/">http://www.diracvideo.org/</a>
<i>scim</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-bridge</i>	0.4.15.2	0.4.16	<a href="http://www.scim-im.org/projects/scim_bridge">http://www.scim-im.org/projects/scim_bridge</a>
<i>scim-bridge-gtk</i>	0.4.15.2	0.4.16	<a href="http://www.scim-im.org/projects/scim_bridge">http://www.scim-im.org/projects/scim_bridge</a>
<i>scim-bridge-qt</i>	0.4.15.2	0.4.16	<a href="http://www.scim-im.org/projects/scim_bridge">http://www.scim-im.org/projects/scim_bridge</a>
<i>scim-bridge-qt3</i>	0.4.15.2	0.4.16	<a href="http://www.scim-im.org/projects/scim_bridge">http://www.scim-im.org/projects/scim_bridge</a>
<i>scim-gtk</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-assamese</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-bengali</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-chinese</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-dhivehi</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-farsi</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-gujarati</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-hindi</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-japanese</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-kannada</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-korean</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-latin</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-malayalam</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-marathi</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-nepali</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-oriya</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>

组件	老版本	新版本	上游URL
<i>scim-lang-punjabi</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-sinhalese</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-tamil</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-telugu</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-thai</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-lang-tibetan</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-libs</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-m17n</i>	0.2.2	0.2.3	<a href="http://www.scim-im.org/projects/imengines">http://www.scim-im.org/projects/imengines</a>
<i>scim-rawcode</i>	1.4.8	1.4.9	<a href="http://www.scim-im.org/">http://www.scim-im.org/</a>
<i>scim-tables</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-additional</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-amharic</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-arabic</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-chinese</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-chinese-extra</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-nepali</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-russian</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-thai</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-ukrainian</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>scim-tables-vietnamese</i>	0.5.8	0.5.9	<a href="http://sourceforge.net/projects/scim">http://sourceforge.net/projects/scim</a>
<i>setools-libs</i>	3.3.5	3.3.6	<a href="http://oss.tresys.com/projects/setools">http://oss.tresys.com/projects/setools</a>
<i>sg3_utils-libs</i>	1.26	1.27	<a href="http://sg.danny.cz/sg/sg3_utils.html">http://sg.danny.cz/sg/sg3_utils.html</a>
<i>skkdic</i>	20080904	20090929	<a href="http://openlab.ring.gr.jp/skk/skk/dic/">http://openlab.ring.gr.jp/skk/skk/dic/</a>
<i>slang</i>	2.1.4	2.2.1	<a href="http://www.jedsoft.org/slang/">http://www.jedsoft.org/slang/</a>

组件	老版本	新版本	上游URL
<i>slv2</i>	0.6.2	0.6.6	<a href="http://drobilla.net/software/slv2/">http://drobilla.net/software/slv2/</a>
<i>soci</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>soci-mysql</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>soci-postgresql</i>	new	3.0.0	<a href="http://soci.sourceforge.net">http://soci.sourceforge.net</a>
<i>soprano</i>	2.2.3	2.3.1	<a href="http://sourceforge.net/projects/soprano">http://sourceforge.net/projects/soprano</a>
<i>spandsp</i>	0.0.5	0.0.6	<a href="http://www.soft-switch.org/">http://www.soft-switch.org/</a>
<i>speech-dispatcher</i>	0.6.6	0.6.7	<a href="http://www.freebsoft.org/pub/projects/speechd/">http://www.freebsoft.org/pub/projects/speechd/</a>
<i>squirrel-libs</i>	2.2.2	2.2.3	<a href="http://squirrel-lang.org/">http://squirrel-lang.org/</a>
<i>ssm</i>	0.1	1.0	<a href="http://www.bioxray.au.dk/~mok/ssm">http://www.bioxray.au.dk/~mok/ssm</a>
<i>startup-notification</i>	0.9	0.10	<a href="http://www.freedesktop.org/software/startup-notification/">http://www.freedesktop.org/software/startup-notification/</a>
<i>sublib</i>	0.9	dropped	<a href="http://sublib.sourceforge.net/">http://sublib.sourceforge.net/</a>
<i>sugar-base</i>	0.84.1	0.86.0	<a href="http://sugarlabs.org/">http://sugarlabs.org/</a>
<i>sugar-presence-service</i>	0.84.0	0.86.0	<a href="http://dev.laptop.org/">http://dev.laptop.org/</a>
<i>sugar-toolkit</i>	0.84.4	0.86.2	<a href="http://wiki.laptop.org/go/Sugar">http://wiki.laptop.org/go/Sugar</a>
<i>suitesparse</i>	3.2.0	3.4.0	<a href="http://www.cise.ufl.edu/research/sparse/SuiteSparse">http://www.cise.ufl.edu/research/sparse/SuiteSparse</a>
<i>sword</i>	1.5.11	1.6.0	<a href="http://www.crosswire.org/sword/">http://www.crosswire.org/sword/</a>
<i>taglib</i>	1.5	1.6	<a href="http://developer.kde.org/~wheeler/taglib.html">http://developer.kde.org/~wheeler/taglib.html</a>

表 59. All System\_Environment-Libraries changes (cont'd)

组件	老版本	新版本	上游URL
<i>taskjuggler-libs</i>	2.4.1	2.4.3	<a href="http://www.taskjuggler.org">http://www.taskjuggler.org</a>

组件	老版本	新版本	上游URL
<i>tcl-ktreectrl</i>	2.2.8	2.2.9	<a href="http://tktreectrl.sourceforge.net/">http://tktreectrl.sourceforge.net/</a>
<i>tcl-trf</i>	2.1.3	2.1.4	<a href="http://tcltrf.sourceforge.net">http://tcltrf.sourceforge.net</a>
<i>telepathy-farsight</i>	0.0.6	0.0.12	<a href="http://telepathy.freedesktop.org/wiki/">http://telepathy.freedesktop.org/wiki/</a>
<i>telepathy-glib</i>	0.7.29	0.9.0	<a href="http://telepathy.freedesktop.org/wiki/FrontPage">http://telepathy.freedesktop.org/wiki/FrontPage</a>
<i>telepathy-mission-control</i>	4.67	5.2.5	<a href="http://telepathy.freedesktop.org/wiki/Mission_Control">http://telepathy.freedesktop.org/wiki/Mission_Control</a>
<i>tokyotyrant-libs</i>	new	1.1.34	<a href="http://1978th.net/tokyotyrant/">http://1978th.net/tokyotyrant/</a>
<i>totem-pl-parser</i>	2.26.2	2.28.1	<a href="http://www.gnome.org/projects/totem/">http://www.gnome.org/projects/totem/</a>
<i>tre</i>	0.7.5	0.7.6	<a href="http://laurikari.net/tre/">http://laurikari.net/tre/</a>
<i>tritonus</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-alsa</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-aos</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-cdda</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-core</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-dsp</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-esd</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-fluidsynth</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-gsm</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-javasequencer</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-jorbis</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-misc</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-pvorbis</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-src</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>tritonus-vorbis</i>	new	0.3.7	<a href="http://www.tritonus.org/">http://www.tritonus.org/</a>
<i>trytond-openoffice</i>	1.0.3	1.2.2	<a href="http://www.tryton.org">http://www.tryton.org</a>
<i>trytond-webdav</i>	1.0.3	1.2.2	<a href="http://www.tryton.org">http://www.tryton.org</a>
<i>tslib</i>	new	1.0	<a href="http://tslib.berlios.de/">http://tslib.berlios.de/</a>
<i>twitter-glib</i>	new	0.9.8	<a href="http://live.gnome.org/TwitterGlib">http://live.gnome.org/TwitterGlib</a>
<i>ucommon</i>	new	2.0.5	<a href="http://www.gnu.org/software/commoncpp">http://www.gnu.org/software/commoncpp</a>



组件	老版本	新版本	上游URL
<i>uim</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>uim-anthy</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>uim-canna</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>uim-m17n</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>uim-skkn</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>unique</i>	1.0.4	1.1.2	<a href="http://www.gnome.org/~ebassi/source/">http://www.gnome.org/~ebassi/source/</a>
<i>unuran</i>	1.3.1	1.4.1	<a href="http://statistik.wu-wien.ac.at/unuran">http://statistik.wu-wien.ac.at/unuran</a>
<i>util-vserver-lib</i>	0.30.215	0.30.215+svn2847	<a href="http://savannah.nongnu.org/projects/util-vserver/">http://savannah.nongnu.org/projects/util-vserver/</a>
<i>varnish-libs</i>	2.0.3	2.0.4	<a href="http://www.varnish-cache.org/">http://www.varnish-cache.org/</a>
<i>varnish-libs-devel</i>	2.0.3	2.0.4	<a href="http://www.varnish-cache.org/">http://www.varnish-cache.org/</a>
<i>vips</i>	7.16.4	7.18.2	<a href="http://www.vips.ecs.soton.ac.uk/">http://www.vips.ecs.soton.ac.uk/</a>
<i>volume_key-libs</i>	new	0.3	<a href="https://fedorahosted.org/volume_key/">https://fedorahosted.org/volume_key/</a>
<i>vtk</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>vtk-java</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>vtk-python</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>vtk-qt</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>vtk-tcl</i>	5.2.1	5.4.2	<a href="http://vtk.org/">http://vtk.org/</a>
<i>wine-alsa</i>	new	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-capi</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-cms</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-devel</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-esd</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-jack</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-ldap</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-nas</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-oss</i>	new	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>

组件	老版本	新版本	上游URL
<i>wine-pulseaudio</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>wine-twain</i>	1.1.18	1.1.29	<a href="http://www.winehq.org/">http://www.winehq.org/</a>
<i>xapian-core-libs</i>	1.0.11	1.0.16	<a href="http://www.xapian.org/">http://www.xapian.org/</a>
<i>xbase</i>	2.0.0	3.1.2	<a href="http://linux.techass.com/projects/xdb/">http://linux.techass.com/projects/xdb/</a>
<i>xblas</i>	new	1.0.248	<a href="http://www.netlib.org/xblas">http://www.netlib.org/xblas</a>
<i>xcb-util</i>	0.3.3	0.3.6	<a href="http://xcb.freedesktop.org">http://xcb.freedesktop.org</a>
<i>xcb-util-devel</i>	0.3.3	0.3.6	<a href="http://xcb.freedesktop.org">http://xcb.freedesktop.org</a>
<i>xemacs-uim</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/p/uim/</a>
<i>xforms</i>	1.0.90	1.0.92	<a href="http://xforms-toolkit.org/">http://xforms-toolkit.org/</a>
<i>xml-security-c</i>	new	1.5.1	<a href="http://santuario.apache.org/c/">http://santuario.apache.org/c/</a>
<i>xpa-libs</i>	2.1.8	2.1.10	<a href="http://he-www.harvard.edu/RD/xpa/">http://he-www.harvard.edu/RD/xpa/</a>
<i>xpa-tcl</i>	2.1.8	2.1.10	<a href="http://he-www.harvard.edu/RD/xpa/">http://he-www.harvard.edu/RD/xpa/</a>
<i>xz-libs</i>	new	4.999.9	<a href="http://tukaani.org/xz/">http://tukaani.org/xz/</a>
<i>zerofree</i>	new	1.0.1	<a href="http://intgat.tigress.co.uk/rmy/uml/">http://intgat.tigress.co.uk/rmy/uml/</a>
<i>zfstream</i>	new	20041202	<a href="http://www.wanderinghorse.net/computing/zfstream/">http://www.wanderinghorse.net/computing/zfstream/</a>
<i>zita-convolver</i>	new	1.0.0	<a href="http://www.kokkinizita.net/linuxaudio/">http://www.kokkinizita.net/linuxaudio/</a>

表 60. All System\_Environment-Libraries changes (cont'd)

已更改软件包	905
未更改软件包	831
软件包总数	1736

## 8.7.5. 系统环境-Shells

组件	老版本	新版本	上游URL
<i>bash</i>	4.0	4.0.33	<a href="http://www.gnu.org/software/bash">http://www.gnu.org/software/bash</a>
<i>busybox</i>	1.13.2	1.15.1	<a href="http://www.busybox.net">http://www.busybox.net</a>
<i>busybox-petitboot</i>	1.13.2	1.15.1	<a href="http://www.busybox.net">http://www.busybox.net</a>
<i>fish</i>	1.23.0	1.23.1	<a href="http://fishshell.org/">http://fishshell.org/</a>
<i>ksh</i>	20081104	20090630	<a href="http://www.kornshell.com/">http://www.kornshell.com/</a>
<i>mc</i>	4.6.2	4.7.0	<a href="http://www.midnight-commander.org/">http://www.midnight-commander.org/</a>
<i>mksh</i>	37b	39	<a href="http://www.mirbsd.de/mksh/">http://www.mirbsd.de/mksh/</a>
<i>nautilus-search-tool</i>	0.2.2	0.3.0	<a href="http://saettaz.altervista.org/software/nautilus_search_tool.html">http://saettaz.altervista.org/software/nautilus_search_tool.html</a>
<i>tcsch</i>	6.15	6.17	<a href="http://www.tcsch.org/">http://www.tcsch.org/</a>
<i>ytree</i>	new	1.93	<a href="http://www.han.de/~werner/ytree.html">http://www.han.de/~werner/ytree.html</a>
<i>zsh</i>	4.3.9	4.3.10	<a href="http://zsh.sunsite.dk/">http://zsh.sunsite.dk/</a>
<i>zsh-html</i>	4.3.9	4.3.10	<a href="http://zsh.sunsite.dk/">http://zsh.sunsite.dk/</a>

表 61. 系统环境-Shells的所有更新

已更改软件包	12
未更改软件包	3
软件包总数	15

## 8.7.6. 系统环境-工具

组件	老版本	新版本	上游URL
<i>qpidc-perftest</i>	0.5.752600	0.5.829175	<a href="http://qpid.apache.org">http://qpid.apache.org</a>

表 62. 系统环境-工具的所有更新

已更改软件包	1
未更改软件包	0
软件包总数	1

### 8.7.7. 系统管理-基础

组件	老版本	新版本	上游URL
<i>tog-pegasus-devel</i>	2.7.2	2.9.0	<a href="http://www.openpegasus.org">http://www.openpegasus.org</a>

表 63. 系统环境-基础的所有更新

已更改软件包	1
未更改软件包	0
软件包总数	1

### 8.8. 文本\_编辑器-集成\_开发\_环境\_(IDE)

组件	老版本	新版本	上游URL
<i>eclipse-cdt-mylyn</i>	5.0.2	6.0.0	<a href="http://www.eclipse.org/cdt">http://www.eclipse.org/cdt</a>
<i>eclipse-cdt-sdk</i>	5.0.2	6.0.0	<a href="http://www.eclipse.org/cdt">http://www.eclipse.org/cdt</a>
<i>eclipse-jdt</i>	3.4.2	3.5.1	<a href="http://www.eclipse.org/">http://www.eclipse.org/</a>
<i>eclipse-nls</i>	new	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-ar</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-bg</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-cs</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-da</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-de</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-el</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-en_AA</i>	new	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-en_AU</i>	new	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-es</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-et</i>	new	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-fi</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-fr</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-he</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-hi</i>	new	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-hu</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-it</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-ja</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-ko</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-mn</i>	new	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-nl</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-no</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>

组件	老版本	新版本	上游URL
<i>eclipse-nls-pl</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-pt</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-pt_BR</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-ro</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-ru</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-sv</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-tr</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-uk</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-zh</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-nls-zh_TW</i>	0.2.0	3.5.0.v20090620043401	<a href="http://babel.eclipse.org/">http://babel.eclipse.org/</a>
<i>eclipse-pde</i>	3.4.2	3.5.1	<a href="http://www.eclipse.org/">http://www.eclipse.org/</a>
<i>eclipse-platform</i>	3.4.2	3.5.1	<a href="http://www.eclipse.org/">http://www.eclipse.org/</a>
<i>eclipse-swt</i>	3.4.2	3.5.1	<a href="http://www.eclipse.org/">http://www.eclipse.org/</a>
<i>icu4j-eclipse</i>	3.8.1	4.0.1	<a href="http://www-306.ibm.com/software/globalization/icu/index.jsp">http://www-306.ibm.com/software/globalization/icu/index.jsp</a>

表 64. All Text\_Editors-Integrated\_Development\_Environments\_(IDE) changes

已更改软件包	39
未更改软件包	1
软件包总数	40

## 8.9. 文本处理-标记-XML

组件	老版本	新版本	上游URL
<i>writer2latex</i>	0.5.0.2	1.0	<a href="http://writer2latex.sourceforge.net/">http://writer2latex.sourceforge.net/</a>

表 65. 文本\_处理-标记-XML的所有变更

已更改软件包	1
未更改软件包	19
软件包总数	20

## 8.10. 用户界面

### 8.10.1. 用户界面-桌面

组件	老版本	新版本	上游URL
<i>Terminal</i>	0.2.12	0.4.2	<a href="http://www.xfce.org/projects/terminal/">http://www.xfce.org/projects/terminal/</a>

组件	老版本	新版本	上游URL
<i>abrt-cli</i>	new	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-desktop</i>	new	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>abrt-gui</i>	0.0.3	0.0.11	<a href="https://fedorahosted.org/abrt/">https://fedorahosted.org/abrt/</a>
<i>bespin</i>	new	0.1	<a href="https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/">https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/</a>
<i>bespin-common</i>	new	0.1	<a href="https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/">https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/</a>
<i>bespin-kdm-theme</i>	new	0.1	<a href="https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/">https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/</a>
<i>bespin-kwin-theme</i>	new	0.1	<a href="https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/">https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/</a>
<i>brasero-nautilus</i>	2.26.1	2.28.2	<a href="http://www.gnome.org/projects/brasero/">http://www.gnome.org/projects/brasero/</a>
<i>ccsm</i>	0.7.8	0.8.2	<a href="http://www.opencompositing.org">http://www.opencompositing.org</a>
<i>compiz</i>	0.7.8	0.8.2	<a href="http://www.go-compiz.org">http://www.go-compiz.org</a>
<i>compiz-fusion</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compiz-fusion-extras</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compiz-fusion-extras-gnome</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compiz-fusion-gnome</i>	0.7.8	0.8.2	<a href="http://compiz-fusion.org">http://compiz-fusion.org</a>
<i>compiz-gnome</i>	0.7.8	0.8.2	<a href="http://www.go-compiz.org">http://www.go-compiz.org</a>
<i>compiz-kde</i>	0.7.8	0.8.2	<a href="http://www.go-compiz.org">http://www.go-compiz.org</a>
<i>control-center</i>	2.26.0	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>control-center-extra</i>	new	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>desktop-effects</i>	new	0.8.4	<a href="http://git.fedoraproject.org/git/desktop-effects.git">http://git.fedoraproject.org/git/desktop-effects.git</a>
<i>emerald</i>	0.7.8	0.8.2	<a href="http://www.compiz-fusion.org/">http://www.compiz-fusion.org/</a>

组件	老版本	新版本	上游URL
<i>eog</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/eog/">http://projects.gnome.org/eog/</a>
<i>eog-plugins</i>	new	2.28.1	<a href="http://live.gnome.org/EyeOfGnome/Plugins">http://live.gnome.org/EyeOfGnome/Plugins</a>
<i>fedora-gnome-theme</i>	8.0.0	12.3	<a href="http://www.redhat.com">http://www.redhat.com</a>
<i>file-browser-applet</i>	0.6.1	0.6.4	<a href="http://code.google.com/p/gnome-menu-file-browser-applet/">http://code.google.com/p/gnome-menu-file-browser-applet/</a>
<i>gai</i>	0.5.10	dropped	<a href="http://gai.sourceforge.net">http://gai.sourceforge.net</a>
<i>gai-pal</i>	0.7	dropped	<a href="http://gai.sourceforge.net">http://gai.sourceforge.net</a>
<i>gai-temp</i>	0.1.1	dropped	<a href="http://leidola.newcon.de/projekte/gai-temp/gai-temp-en.html">http://leidola.newcon.de/projekte/gai-temp/gai-temp-en.html</a>
<i>gdm-plugin-fingerprint</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gdm">http://download.gnome.org/sources/gdm</a>
<i>gdm-plugin-smartcard</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gdm">http://download.gnome.org/sources/gdm</a>
<i>gdm-user-switch-applet</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gdm">http://download.gnome.org/sources/gdm</a>
<i>gigolo</i>	0.3.1	0.3.2	<a href="http://goodies.xfce.org/projects/applications/gigolo/">http://goodies.xfce.org/projects/applications/gigolo/</a>
<i>glista</i>	new	0.4	<a href="http://prematureoptimization.org/glista/">http://prematureoptimization.org/glista/</a>
<i>gnome-applet-alarm-clock</i>	new	0.2.5	<a href="http://alarm-clock.pseudoberries.com">http://alarm-clock.pseudoberries.com</a>
<i>gnome-applet-cpufire</i>	new	1.6	<a href="http://strongm.ath.cx/">http://strongm.ath.cx/</a>
<i>gnome-applet-grandr</i>	new	0.4.1	<a href="http://freshmeat.net/projects/grandr_applet">http://freshmeat.net/projects/grandr_applet</a>
<i>gnome-applet-jalali-calendar</i>	1.6.7	1.6.8	<a href="http://home.gna.org/jalali-calendar">http://home.gna.org/jalali-calendar</a>
<i>gnome-applet-sensors</i>	2.2.1	2.2.4	<a href="http://sensors-applet.sourceforge.net/">http://sensors-applet.sourceforge.net/</a>
<i>gnome-applet-sshmenu</i>	3.15	3.16	<a href="http://sshmenu.sourceforge.net/">http://sshmenu.sourceforge.net/</a>

组件	老版本	新版本	上游URL
<i>gnome-applet-vm</i>	0.2.0	dropped	<a href="https://fedorahosted.org/gnome-applet-vm">https://fedorahosted.org/gnome-applet-vm</a>
<i>gnome-applets</i>	2.26.1	2.28.0	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-colors-icon-theme</i>	new	5.3	<a href="http://code.google.com/p/gnome-colors">http://code.google.com/p/gnome-colors</a>
<i>gnome-icon-theme</i>	2.26.0	2.28.0	n/a
<i>gnome-netstatus</i>	2.12.2	2.26.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-panel</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-session</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>gnome-shell</i>	new	2.28.0	<a href="http://live.gnome.org/GnomeShell">http://live.gnome.org/GnomeShell</a>
<i>gnome-terminal</i>	2.26.1	2.28.1	<a href="http://www.gnome.org/">http://www.gnome.org/</a>
<i>gnome-themes</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gnome-themes/">http://download.gnome.org/sources/gnome-themes/</a>
<i>gnote</i>	0.3.1	0.6.2	<a href="http://live.gnome.org/Gnote">http://live.gnome.org/Gnote</a>
<i>gok</i>	2.26.0	2.28.1	<a href="http://www.gok.ca/">http://www.gok.ca/</a>
<i>google-gadgets</i>	0.10.5	0.11.1	<a href="http://code.google.com/p/google-gadgets-for-linux/">http://code.google.com/p/google-gadgets-for-linux/</a>
<i>google-gadgets-gtk</i>	0.10.5	0.11.1	<a href="http://code.google.com/p/google-gadgets-for-linux/">http://code.google.com/p/google-gadgets-for-linux/</a>
<i>google-gadgets-qt</i>	0.10.5	0.11.1	<a href="http://code.google.com/p/google-gadgets-for-linux/">http://code.google.com/p/google-gadgets-for-linux/</a>
<i>grsync</i>	0.6.3	0.9.2	<a href="http://www.opbyte.it/grsync/">http://www.opbyte.it/grsync/</a>
<i>hicolor-icon-theme</i>	0.10	0.11	<a href="http://icon-theme.freedesktop.org/wiki/HicolorTheme">http://icon-theme.freedesktop.org/wiki/HicolorTheme</a>
<i>icewm</i>	1.2.36	1.2.37	<a href="http://www.icewm.org">http://www.icewm.org</a>
<i>icewm-clearlooks</i>	1.2.36	1.2.37	<a href="http://www.icewm.org">http://www.icewm.org</a>
<i>icewm-gnome</i>	1.2.36	1.2.37	<a href="http://www.icewm.org">http://www.icewm.org</a>
<i>icewm-xdgmnu</i>	1.2.36	1.2.37	<a href="http://www.icewm.org">http://www.icewm.org</a>
<i>kde-colorscheme-plastik</i>	new	0.1.2	<a href="http://www.kde-look.org/content/show.php/Plastik?content=89804">http://www.kde-look.org/content/show.php/Plastik?content=89804</a>



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<i>kde-l10n-Arabic</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Basque</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Bengali-India</i>	new	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Brazil</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-British</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Bulgarian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Catalan</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Chinese</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Chinese-Traditional</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Czech</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Danish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Dutch</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Estonian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Finnish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-French</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Galician</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-German</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Greek</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Gujarati</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Hebrew</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Hindi</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Hungarian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Icelandic</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Irish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Italian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Japanese</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Kannada</i>	new	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Kashubian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Kazakh</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Khmer</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Korean</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Kurdish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Latvian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Lithuanian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-LowSaxon</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Macedonian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>

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<i>kde-l10n-Maithili</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Malayalam</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Marathi</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Norwegian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Norwegian-Nynorsk</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Polish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Portuguese</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Punjabi</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Romanian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Russian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Serbian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Slovak</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Slovenian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Spanish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Swedish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Tajik</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Thai</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Turkish</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Ukrainian</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-l10n-Walloon</i>	4.2.2	4.3.2	<a href="http://www.kde.org">http://www.kde.org</a>
<i>kde-plasma-quickaccess</i>	0.7.1	0.8.1	<a href="http://www.kde-look.org/content/show.php/QuickAccess+(maintenance+fork)?content=101968">http://www.kde-look.org/content/show.php/QuickAccess+(maintenance+fork)?content=101968</a>
<i>kde-plasma-runcommand</i>	1.1	2.1	<a href="http://www.kde-look.org/content/show.php/Run+Command?content=91495">http://www.kde-look.org/content/show.php/Run+Command?content=91495</a>
<i>kde-plasma-stasks</i>	new	0.5.1	<a href="http://www.kde-look.org/content/show.php/STasks?content=99739">http://www.kde-look.org/content/show.php/STasks?content=99739</a>
<i>kde-plasma-translatoid</i>	0.6	1.0	<a href="http://www.kde-look.org/content/show.php/translatoid?content=97511">http://www.kde-look.org/content/show.php/translatoid?content=97511</a>

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<i>kde-plasma-xbar</i>	new	0.1	<a href="https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/">https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/</a>
<i>kde-plasma-yawp</i>	new	0.2.3	<a href="http://www.kde-look.org/content/show.php?content=94106">http://www.kde-look.org/content/show.php?content=94106</a>
<i>kde-style-phase</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kde-style-skulpture</i>	0.2.2	0.2.3	<a href="http://www.kde-look.org/content/show.php/Skulpture?content=59031">http://www.kde-look.org/content/show.php/Skulpture?content=59031</a>
<i>kdeaccessibility</i>	4.2.2	4.3.2	<a href="http://accessibility.kde.org/">http://accessibility.kde.org/</a>
<i>kdeadmin</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdeartwork</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-runtime</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-runtime-flags</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace-akonadi</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace-googlegadgets</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace-python-applet</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebase-workspace-wallpapers</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdebindings</i>	4.2.2	4.3.2	<a href="http://developer.kde.org/language-bindings/">http://developer.kde.org/language-bindings/</a>
<i>kdeplasma-addons</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>kdesdk</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>leonidas-kde-theme</i>	11.0.1	11.0.3	<a href="https://fedorahosted.org/fedora-kde-artwork/">https://fedorahosted.org/fedora-kde-artwork/</a>
<i>leonidas-kde-theme-landscape</i>	11.0.1	11.0.3	<a href="https://fedorahosted.org/fedora-kde-artwork/">https://fedorahosted.org/fedora-kde-artwork/</a>
<i>leonidas-kde-theme-lion</i>	11.0.1	11.0.3	<a href="https://fedorahosted.org/fedora-kde-artwork/">https://fedorahosted.org/fedora-kde-artwork/</a>

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<i>lesstif-mwm</i>	0.95.0	0.95.2	<a href="http://www.lesstif.org/">http://www.lesstif.org/</a>
<i>libgnomekbd-capplet</i>	2.26.0	2.28.0	<a href="http://gswitchit.sourceforge.net">http://gswitchit.sourceforge.net</a>
<i>ltsp-client</i>	5.1.72	5.1.91	<a href="http://www.ltsp.org">http://www.ltsp.org</a>
<i>ltsp-server</i>	5.1.72	5.1.91	<a href="http://www.ltsp.org">http://www.ltsp.org</a>
<i>lxappearance</i>	0.2	0.2.1	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxde-common</i>	0.3.2.1	0.4.2	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxde-icon-theme</i>	new	0.4.2	<a href="http://nuovext.pwsp.net/">http://nuovext.pwsp.net/</a>
<i>lxde-settings-daemon</i>	new	0.4	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxinput</i>	new	0.1.1	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxlauncher</i>	0.2	0.2.1	<a href="http://lxde.org/">http://lxde.org/</a>
<i>lxmenu-data</i>	0.1	0.1.1	<a href="http://lxde.org">http://lxde.org</a>
<i>lxpanel</i>	0.4.0	0.5.3	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxrandr</i>	new	0.1.1	<a href="http://lxde.org/">http://lxde.org/</a>
<i>lxsession</i>	new	0.3.8	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxsession-edit</i>	0.1	0.1.1	<a href="http://lxde.org">http://lxde.org</a>
<i>lxshortcut</i>	new	0.1.1	<a href="http://lxde.org">http://lxde.org</a>
<i>lxtask</i>	0.1	0.1.1	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>lxterminal</i>	0.1.4	0.1.6	<a href="http://lxde.sourceforge.net/">http://lxde.sourceforge.net/</a>
<i>metacity</i>	2.26.0	2.28.0	<a href="http://download.gnome.org/sources/metacity/">http://download.gnome.org/sources/metacity/</a>
<i>moblin-cursor-theme</i>	new	0.3	<a href="http://www.moblin.org">http://www.moblin.org</a>
<i>moblin-gtk-engine</i>	new	1.0.2	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>moblin-icon-theme</i>	new	0.9	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>moblin-session</i>	new	0.12	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>moblin-sound-theme</i>	new	0.3	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>mousetweaks</i>	2.26.0	2.28.1	<a href="http://live.gnome.org/Mousetweaks/Home">http://live.gnome.org/Mousetweaks/Home</a>
<i>multimedia-menus</i>	new	0.3.1	<a href="https://fedorahosted.org/multimedia-menus/">https://fedorahosted.org/multimedia-menus/</a>

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<i>mutter</i>	new	2.28.0	<a href="http://git.gnome.org/cgi/mutter">http://git.gnome.org/cgi/mutter</a>
<i>mutter-moblin</i>	new	0.39.3	<a href="http://www.moblin.org/">http://www.moblin.org/</a>
<i>nautilus</i>	2.26.3	2.28.1	<a href="http://projects.gnome.org/nautilus/">http://projects.gnome.org/nautilus/</a>
<i>nautilus-actions</i>	1.9	1.12.2	<a href="http://www.grumz.net/node/8">http://www.grumz.net/node/8</a>
<i>nautilus-beesu-manager</i>	1.0	1.2	<a href="http://www.honeybeenet.altervista.org">http://www.honeybeenet.altervista.org</a>
<i>nautilus-bzr</i>	0.95.0	0.97.0	<a href="http://bazaar-vcs.org/bzr-gtk">http://bazaar-vcs.org/bzr-gtk</a>
<i>nautilus-open-terminal</i>	0.9	0.17	<a href="http://download.gnome.org/sources/nautilus-open-terminal/">http://download.gnome.org/sources/nautilus-open-terminal/</a>
<i>nautilus-sendto</i>	1.1.5	2.28.0	<a href="ftp://ftp.gnome.org/pub/gnome/sources/nautilus-sendto">ftp://ftp.gnome.org/pub/gnome/sources/nautilus-sendto</a>
<i>nautilus-sound-converter</i>	1.0.1	1.0.2	<a href="http://code.google.com/p/nautilus-sound-converter/">http://code.google.com/p/nautilus-sound-converter/</a>
<i>nuvola-icon-theme</i>	new	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>orage</i>	4.6.0	4.6.1	<a href="http://www.xfce.org/">http://www.xfce.org/</a>
<i>orca</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/orca/">http://projects.gnome.org/orca/</a>
<i>oxygen-cursor-themes</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>oxygen-icon-theme</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>pcmanfm</i>	0.5	0.5.2	<a href="http://pcmanfm.sourceforge.net/">http://pcmanfm.sourceforge.net/</a>
<i>pinot</i>	0.93	0.94	<a href="http://pinot.berlios.de/">http://pinot.berlios.de/</a>
<i>polyester</i>	2.0	2.0.0	<a href="http://www.kde-look.org/content/show.php?content=27968">http://www.kde-look.org/content/show.php?content=27968</a>
<i>qt4-theme-bespin</i>	new	0.1	<a href="https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/">https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/</a>
<i>redhat-menus</i>	10.0.1	12.0.1	<a href="http://www.redhat.com">http://www.redhat.com</a>
<i>ristretto</i>	0.0.21	0.0.22	<a href="http://goodies.xfce.org/projects/applications/ristretto/">http://goodies.xfce.org/projects/applications/ristretto/</a>

组件	老版本	新版本	上游URL
<i>seahorse</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/seahorse/">http:// projects.gnome.org/ seahorse/</a>
<i>seahorse-plugins</i>	2.26.1	2.28.1	<a href="http://projects.gnome.org/seahorse/">http:// projects.gnome.org/ seahorse/</a>
<i>solar-kde-theme</i>	0.1.17	0.1.19	<a href="https://fedorahosted.org/fedora-kde-artwork/">https:// fedorahosted.org/ fedora-kde-artwork/</a>
<i>sound-theme-freedesktop</i>	0.2	0.7	<a href="http://www.freedesktop.org/wiki/Specifications/sound-theme-spec">http:// www.freedesktop.org/ wiki/Specifications/ sound-theme-spec</a>
<i>sshmenu</i>	3.15	3.16	<a href="http://sshmenu.sourceforge.net/">http:// sshmenu.sourceforge.net/</a>
<i>sugar</i>	0.84.5	0.86.3	<a href="http://sugarlabs.org/">http://sugarlabs.org/</a>
<i>sugar-artwork</i>	0.84.1	0.86.0	<a href="http://sugarlabs.org">http://sugarlabs.org</a>
<i>terminator</i>	0.12	0.13	<a href="http://www.tenshu.net/terminator">http://www.tenshu.net/ terminator</a>
<i>tigervnc</i>	0.0.90	1.0.0	<a href="http://www.tigervnc.com">http:// www.tigervnc.com</a>
<i>tomboy</i>	0.14.1	1.0.0	<a href="http://projects.gnome.org/tomboy/">http:// projects.gnome.org/ tomboy/</a>
<i>tracker-search-tool</i>	0.6.94	0.6.95	<a href="http://projects.gnome.org/tracker/">http:// projects.gnome.org/ tracker/</a>
<i>uim-gnome</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/ p/uim/</a>
<i>uim-gtk2</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/ p/uim/</a>
<i>uim-qt</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/ p/uim/</a>
<i>uim-qt-common</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/ p/uim/</a>
<i>uim-qt3</i>	1.5.5	1.5.6	<a href="http://code.google.com/p/uim/">http://code.google.com/ p/uim/</a>
<i>vino</i>	2.26.1	2.28.1	<a href="http://www.gnome.org">http://www.gnome.org</a>
<i>xdg-user-dirs</i>	0.10	0.11	<a href="http://freedesktop.org/wiki/Software/xdg-user-dirs">http://freedesktop.org/ wiki/Software/xdg-user- dirs</a>

组件	老版本	新版本	上游URL
<i>xfce4-cddrive-plugin</i>	new	0.0.1	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-cddrive-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-cddrive-plugin</a>
<i>xfce4-cellmodem-plugin</i>	new	0.0.5	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-cellmodem-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-cellmodem-plugin</a>
<i>xfce4-clipman-plugin</i>	0.9.1	1.1.1	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-clipman-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-clipman-plugin</a>
<i>xfce4-dict</i>	0.5.2	0.5.3	<a href="http://goodies.xfce.org/projects/applications/xfce4-dict">http://goodies.xfce.org/projects/applications/xfce4-dict</a>
<i>xfce4-dict-plugin</i>	0.5.2	0.5.3	<a href="http://goodies.xfce.org/projects/applications/xfce4-dict">http://goodies.xfce.org/projects/applications/xfce4-dict</a>
<i>xfce4-mpc-plugin</i>	0.3.3	0.3.4	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-mpc-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-mpc-plugin</a>
<i>xfce4-notes-plugin</i>	1.6.4	1.7.1	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-notes-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-notes-plugin</a>
<i>xfce4-notifyd</i>	new	0.1.0	<a href="http://spuriousinterrupt.org/projects/xfce4-notifyd">http://spuriousinterrupt.org/projects/xfce4-notifyd</a>
<i>xfce4-panel</i>	4.6.1	4.6.2	<a href="http://www.xfce.org/">http://www.xfce.org/</a>
<i>xfce4-places-plugin</i>	1.1.0	1.2.0	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-places-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-places-plugin</a>
<i>xfce4-power-manager</i>	0.8.0	0.8.4.1	<a href="http://goodies.xfce.org/projects/applications/xfce4-power-manager">http://goodies.xfce.org/projects/applications/xfce4-power-manager</a>
<i>xfce4-radio-plugin</i>	new	0.4.1	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-radio-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-radio-plugin</a>
<i>xfce4-screenshooter</i>	1.5.1	1.6.0	<a href="http://goodies.xfce.org/projects/applications/xfce4-screenshooter">http://goodies.xfce.org/projects/applications/xfce4-screenshooter</a>
<i>xfce4-screenshooter-plugin</i>	1.5.1	1.6.0	<a href="http://goodies.xfce.org/projects/applications/xfce4-screenshooter">http://goodies.xfce.org/projects/applications/xfce4-screenshooter</a>
<i>xfce4-session</i>	4.6.0	4.6.1	<a href="http://www.xfce.org/">http://www.xfce.org/</a>
<i>xfce4-session-engines</i>	4.6.0	4.6.1	<a href="http://www.xfce.org/">http://www.xfce.org/</a>

组件	老版本	新版本	上游URL
<i>xfce4-settings</i>	4.6.1	4.6.3	<a href="http://www.xfce.org/">http://www.xfce.org/</a>

表 66. 用户界面\_桌面的所有变更

组件	老版本	新版本	上游URL
<i>xfce4-weather-plugin</i>	0.6.2	0.7.3	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-weather-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-weather-plugin</a>
<i>xfce4-xkb-plugin</i>	0.5.2	0.5.3.3	<a href="http://goodies.xfce.org/projects/panel-plugins/xfce4-xkb-plugin">http://goodies.xfce.org/projects/panel-plugins/xfce4-xkb-plugin</a>
<i>xfwm4-theme-nodoka</i>	0.1	0.2	<a href="https://fedorahosted.org/nodoka/">https://fedorahosted.org/nodoka/</a>
<i>xpad</i>	3.0	4.0	<a href="http://xpad.sourceforge.net">http://xpad.sourceforge.net</a>
<i>xsettings-kde</i>	0.9	0.11	<a href="http://svn.mandriva.com/cgi-bin/viewvc.cgi/soft/theme/xsettings-kde/">http://svn.mandriva.com/cgi-bin/viewvc.cgi/soft/theme/xsettings-kde/</a>
<i>yakuake</i>	2.9.4	2.9.6	<a href="http://extragear.kde.org/apps/yakuake/">http://extragear.kde.org/apps/yakuake/</a>

表 67. All User\_Interface-Desktops changes (cont'd)

已更改软件包	229
未更改软件包	189
软件包总数	418

### 8.10.2. 用户界面-桌面

组件	老版本	新版本	上游URL
<i>gnome-session-xsession</i>	2.26.1	2.28.0	<a href="http://www.gnome.org">http://www.gnome.org</a>

表 68. 用户界面\_桌面的所有变更

已更改软件包	1
未更改软件包	0
软件包总数	1

### 8.10.3. 用户界面-X硬件支持

组件	老版本	新版本	上游URL
<i>easystroke</i>	new	0.4.9	<a href="http://easystroke.sourceforge.net/">http://easystroke.sourceforge.net/</a>



组件	老版本	新版本	上游URL
<i>em8300-utils</i>	0.17.2	0.17.3	<a href="http://dxr3.sourceforge.net/">http://dxr3.sourceforge.net/</a>
<i>florence</i>	0.4.0	0.4.3	<a href="http://florence.sourceforge.net">http://florence.sourceforge.net</a>
<i>gnome-lirc-properties</i>	0.3.1	0.4.0	<a href="http://svn.gnome.org/svn/gnome-lirc-properties/trunk">http://svn.gnome.org/svn/gnome-lirc-properties/trunk</a>
<i>mesa-dri-drivers</i>	7.5	7.6	<a href="http://www.mesa3d.org">http://www.mesa3d.org</a>
<i>razertool</i>	new	0.0.7	<a href="http://razertool.sourceforge.net/">http://razertool.sourceforge.net/</a>
<i>xorg-x11-drv-acecad</i>	1.3.0	1.4.0	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-aiptek</i>	1.2.0	1.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-apm</i>	1.2.1	1.2.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-ast</i>	0.87.0	0.89.9	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-ati</i>	6.12.2	6.13.0	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-chips</i>	1.2.1	1.2.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-cirrus</i>	1.2.0	1.3.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-dummy</i>	0.3.1	0.3.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-evdev</i>	2.2.1	2.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-fbdev</i>	0.4.0	0.4.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-geode</i>	2.11.2	2.11.4.1	<a href="http://www.x.org/wiki/AMDGeodeDriver">http://www.x.org/wiki/AMDGeodeDriver</a>
<i>xorg-x11-drv-glint</i>	1.2.2	1.2.4	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-i128</i>	1.3.0	1.3.3	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-i740</i>	1.2.0	1.3.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-intel</i>	2.7.0	2.9.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-ivtv</i>	1.0.1	1.1.0	<a href="http://ivtvdriver.org">http://ivtvdriver.org</a>
<i>xorg-x11-drv-keyboard</i>	1.3.2	1.3.99.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-mach64</i>	6.8.0	6.8.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-mga</i>	1.4.10	1.4.11	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-mouse</i>	1.4.0	1.4.99.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-neomagic</i>	1.2.2	1.2.4	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-nouveau</i>	0.0.12	0.0.15	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-nv</i>	2.1.13	2.1.15	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-openchrome</i>	0.2.903	0.2.904	<a href="http://www.openchrome.org">http://www.openchrome.org</a>
<i>xorg-x11-drv-r128</i>	6.8.0	6.8.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-rendition</i>	4.2.1	4.2.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-s3</i>	0.6.1	0.6.3	<a href="http://www.x.org">http://www.x.org</a>

组件	老版本	新版本	上游URL
<i>xorg-x11-drv-s3virge</i>	1.10.2	1.10.4	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-savage</i>	2.2.1	2.3.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-siliconmotion</i>	1.7.0	1.7.3	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-sis</i>	0.10.1	0.10.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-sisusb</i>	0.9.1	0.9.3	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-synaptics</i>	1.1.0	1.1.99	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-tdfx</i>	1.4.1	1.4.3	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-trident</i>	1.3.1	1.3.3	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-tseng</i>	1.2.1	1.2.2	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-vesa</i>	2.2.0	2.2.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-vmmouse</i>	12.6.3	12.6.5	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-vmware</i>	10.16.0	10.16.7	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-void</i>	1.2.0	1.3.0	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-drv-vooodoo</i>	1.2.1	1.2.3	<a href="http://www.x.org">http://www.x.org</a>
<i>zbar</i>	new	0.8	<a href="http://sourceforge.net/projects/zbar">http://sourceforge.net/projects/zbar</a>

表 69. 用户界面-X\_硬件\_支持的所有变更

已更改软件包	48
未更改软件包	14
软件包总数	62

#### 8.10.4. 用户界面-X

组件	老版本	新版本	上游URL
<i>adf-accanthis-2-fonts</i>	new	1.6	<a href="http://arkandis.tuxfamily.org/adffonts.html">http://arkandis.tuxfamily.org/adffonts.html</a>
<i>adf-accanthis-3-fonts</i>	new	1.6	<a href="http://arkandis.tuxfamily.org/adffonts.html">http://arkandis.tuxfamily.org/adffonts.html</a>
<i>adf-accanthis-fonts</i>	new	1.6	<a href="http://arkandis.tuxfamily.org/adffonts.html">http://arkandis.tuxfamily.org/adffonts.html</a>
<i>adf-accanthis-fonts-common</i>	new	1.6	<a href="http://arkandis.tuxfamily.org/adffonts.html">http://arkandis.tuxfamily.org/adffonts.html</a>
<i>apa-new-athena-unicode-fonts</i>	new	3.4	<a href="http://apagreekkeys.org/NAUdownload.html">http://apagreekkeys.org/NAUdownload.html</a>

组件	老版本	新版本	上游URL
<i>apanov-heuristica-fonts</i>	20090125	0.2	<a href="ftp://ftp.dvo.ru/pub/Font/heuristica/">ftp://ftp.dvo.ru/pub/Font/heuristica/</a>
<i>argyllcms</i>	1.0.3	1.0.4	<a href="http://www.argyllcms.com/">http://www.argyllcms.com/</a>
<i>argyllcms-doc</i>	1.0.3	1.0.4	<a href="http://www.argyllcms.com/">http://www.argyllcms.com/</a>
<i>bpg-excelsior-fonts</i>	new	2.025	<a href="http://groups.google.com/group/bpg-fonts">http://groups.google.com/group/bpg-fonts</a>
<i>cave9-mutante-fonts</i>	new	0.3	<a href="http://code.google.com/p/cave9">http://code.google.com/p/cave9</a>
<i>cjkuni-fonts-common</i>	0.2.20080216.1	dropped	<a href="http://www.freedesktop.org/wiki/Software/CJKUnifonts">http://www.freedesktop.org/wiki/Software/CJKUnifonts</a>
<i>conakry-fonts</i>	new	20070829	<a href="http://www.evertype.com/fonts/nko/">http://www.evertype.com/fonts/nko/</a>
<i>conky</i>	1.6.1	1.7.2	<a href="http://conky.sf.net/">http://conky.sf.net/</a>
<i>culmus-aharoni-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-caladings-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-david-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-drugulin-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-ellinia-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-fonts-common</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-fonts-compatible</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-frank-ruehl-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-miriam-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-miriam-mono-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-nachlieli-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>
<i>culmus-yehuda-clm-fonts</i>	0.102	0.103	<a href="http://culmus.sourceforge.net">http://culmus.sourceforge.net</a>

组件	老版本	新版本	上游URL
<i>dejavu-fonts-common</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dejavu-lgc-sans-fonts</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dejavu-lgc-sans-mono-fonts</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dejavu-lgc-serif-fonts</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dejavu-sans-fonts</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dejavu-sans-mono-fonts</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dejavu-serif-fonts</i>	2.29	2.30	<a href="http://dejavu-fonts.org/">http://dejavu-fonts.org/</a>
<i>dogtail</i>	0.6.90	0.7.0	<a href="http://dogtail.fedorahosted.org/">http://dogtail.fedorahosted.org/</a>
<i>doxygen-doxywizard</i>	1.5.8	1.6.1	<a href="http://www.stack.nl/~dimitri/doxygen/index.html">http://www.stack.nl/~dimitri/doxygen/index.html</a>
<i>dzen2</i>	new	0.8.5	<a href="http://gotmor.googlepages.com/dzen">http://gotmor.googlepages.com/dzen</a>
<i>fontmatrix</i>	0.5.0	0.6.99	<a href="http://www.fontmatrix.net/">http://www.fontmatrix.net/</a>
<i>freecol-imperator-fonts</i>	0.8.1	0.8.3	<a href="http://www.freecol.org/">http://www.freecol.org/</a>
<i>freecol-shadowedblack-fonts</i>	0.8.1	0.8.3	<a href="http://www.freecol.org/">http://www.freecol.org/</a>
<i>gdm</i>	2.26.1	2.28.1	<a href="http://download.gnome.org/sources/gdm">http://download.gnome.org/sources/gdm</a>
<i>gfs-decker-fonts</i>	new	20090618	<a href="http://www.greekfontociety.gr/pages/en_typefaces19th.html">http://www.greekfontociety.gr/pages/en_typefaces19th.html</a>
<i>gfs-pyrsos-fonts</i>	new	20090618	<a href="http://www.greekfontociety.gr/pages/en_typefaces20th.html">http://www.greekfontociety.gr/pages/en_typefaces20th.html</a>
<i>google-droid-fonts-common</i>	1.0.112	20090906	<a href="http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts">http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts</a>
<i>google-droid-sans-fonts</i>	1.0.112	20090906	<a href="http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts">http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts</a>

组件	老版本	新版本	上游URL
<i>google-droid-sans-mono-fonts</i>	1.0.112	20090906	<a href="http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts">http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts</a>
<i>google-droid-serif-fonts</i>	1.0.112	20090906	<a href="http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts">http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts</a>
<i>gxmessage</i>	new	2.12.4	<a href="http://homepages.ihug.co.nz/~trmusson/programs.html#gxmessage">http://homepages.ihug.co.nz/~trmusson/programs.html#gxmessage</a>
<i>inkboy-fonts</i>	new	20070624	<a href="http://inkboy.fr/html/telechargement-ressources.php">http://inkboy.fr/html/telechargement-ressources.php</a>
<i>kacst-art-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-book-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-decorative-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-digital-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-farsi-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-fonts-common</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-letter-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-naskh-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-office-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>

组件	老版本	新版本	上游URL
<i>kacst-one-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-pen-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-poster-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-qurn-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-screen-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-title-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kacst-titel-fonts</i>	new	2.0	<a href="http://www.arabeyes.org/resources.php">http://www.arabeyes.org/resources.php</a>
<i>kdm</i>	4.2.2	4.3.2	<a href="http://www.kde.org/">http://www.kde.org/</a>
<i>krb5-auth-dialog</i>	0.8	0.13	<a href="https://honk.sigxcpu.org/piki/projects/krb5-auth-dialog/">https://honk.sigxcpu.org/piki/projects/krb5-auth-dialog/</a>
<i>lcdf-typetools</i>	new	2.79	<a href="http://www.lcdf.org">http://www.lcdf.org</a>
<i>ldm</i>	2.0.33	2.0.46	<a href="https://code.launchpad.net/~ltsp-upstream/ltsp/ldm-trunk">https://code.launchpad.net/~ltsp-upstream/ltsp/ldm-trunk</a>
<i>ldminfod</i>	2.0.33	2.0.46	<a href="https://code.launchpad.net/~ltsp-upstream/ltsp/ldm-trunk">https://code.launchpad.net/~ltsp-upstream/ltsp/ldm-trunk</a>
<i>liberation-fonts-common</i>	1.04.93	1.05.1.20090721	<a href="https://fedorahosted.org/liberation-fonts/">https://fedorahosted.org/liberation-fonts/</a>
<i>liberation-mono-fonts</i>	1.04.93	1.05.1.20090721	<a href="https://fedorahosted.org/liberation-fonts/">https://fedorahosted.org/liberation-fonts/</a>
<i>liberation-sans-fonts</i>	1.04.93	1.05.1.20090721	<a href="https://fedorahosted.org/liberation-fonts/">https://fedorahosted.org/liberation-fonts/</a>

组件	老版本	新版本	上游URL
<i>liberation-serif-fonts</i>	1.04.93	1.05.1.20090721	<a href="https://fedorahosted.org/liberation-fonts/">https:// fedorahosted.org/ liberation-fonts/</a>
<i>lilyterm</i>	new	0.9.6	<a href="http://lilyterm.luna.com.tw">http:// lilyterm.luna.com.tw</a>
<i>linux-libertine-fonts</i>	4.1.8	4.4.1	<a href="http://linuxlibertine.sf.net">http:// linuxlibertine.sf.net</a>
<i>lklug-fonts</i>	0.2.2	0.6	<a href="http://sinhala.sourceforge.net/">http:// sinhala.sourceforge.net/</a>
<i>lohit-assamese-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-bengali-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-fonts-common</i>	2.3.8	dropped	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-gujarati-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-hindi-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-kannada-fonts</i>	2.3.8	2.4.4	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-kashmiri-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-konkani-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-maithili-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-malayalam-fonts</i>	2.3.8	2.4.4	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-marathi-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-nepali-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-oriya-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-punjabi-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-sindhi-fonts</i>	2.3.8	2.4.3	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>
<i>lohit-tamil-fonts</i>	2.3.8	2.4.4	<a href="https://fedorahosted.org/lohit/">https:// fedorahosted.org/lohit/</a>

组件	老版本	新版本	上游URL
<i>lohit-telugu-fonts</i>	2.3.8	2.4.4	<a href="https://fedorahosted.org/lohit/">https://fedorahosted.org/lohit/</a>
<i>mscore-fonts</i>	new	0.9.5	<a href="http://musescore.org/en">http://musescore.org/en</a>
<i>nethack-bitmap-fonts</i>	new	3.4.3	<a href="http://nethack.org">http://nethack.org</a>
<i>nethack-bitmap-fonts-core</i>	new	3.4.3	<a href="http://nethack.org">http://nethack.org</a>
<i>nted-ntedfont-fonts</i>	1.5.0	1.8.1	<a href="http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml">http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml</a>
<i>oflb-notcouriersans-fonts</i>	new	1.1	<a href="http://openfontlibrary.org/media/files/OSP/411">http://openfontlibrary.org/media/files/OSP/411</a>
<i>openoffice.org-opensymbol-fonts</i>	3.1.0	3.1.1	<a href="http://www.openoffice.org/">http://www.openoffice.org/</a>
<i>paktype-fonts-common</i>	new	2.0	<a href="https://sourceforge.net/projects/paktype/">https://sourceforge.net/projects/paktype/</a>
<i>paktype-naqsh-fonts</i>	new	2.0	<a href="https://sourceforge.net/projects/paktype/">https://sourceforge.net/projects/paktype/</a>
<i>paktype-tehreer-fonts</i>	new	2.0	<a href="https://sourceforge.net/projects/paktype/">https://sourceforge.net/projects/paktype/</a>
<i>pothana2000-fonts</i>	new	1.3.1	<a href="http://www.kavya-nandanam.com/dload.htm">http://www.kavya-nandanam.com/dload.htm</a>
<i>roxterm</i>	1.14.1	1.15.2	<a href="http://roxterm.sourceforge.net/">http://roxterm.sourceforge.net/</a>
<i>saab-fonts</i>	new	0.91	<a href="http://guca.sourceforge.net/typography/fonts/saab/">http://guca.sourceforge.net/typography/fonts/saab/</a>
<i>sakura</i>	new	2.3.3	<a href="http://pleyades.net/david/sakura.php">http://pleyades.net/david/sakura.php</a>
<i>senamirmir-washra-fantuwua-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-fonts-common</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>



组件	老版本	新版本	上游URL
<i>senamirmir-washra-hiwua-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-jiret-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-tint-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-wookianos-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-yebse-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-yigezu-bisrat-goffer-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-yigezu-bisrat-gothic-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>senamirmir-washra-zelan-fonts</i>	new	4.1	<a href="http://www.senamirmir.org/projects/typography/typeface.html">http://www.senamirmir.org/projects/typography/typeface.html</a>
<i>sil-charis-compact-fonts</i>	new	4.106	<a href="http://scripts.sil.org/CharisSILFont">http://scripts.sil.org/CharisSILFont</a>
<i>sil-charis-fonts</i>	4.104	4.106	<a href="http://scripts.sil.org/CharisSILFont">http://scripts.sil.org/CharisSILFont</a>
<i>smc-anjalioldlipi-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>smc-dyuthi-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>smc-fonts-common</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>

组件	老版本	新版本	上游URL
<i>smc-kalyani-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>smc-meera-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>smc-rachana-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>smc-raghmalayalam-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>smc-suruma-fonts</i>	04.1	04.2	<a href="http://savannah.nongnu.org/projects/smc">http://savannah.nongnu.org/projects/smc</a>
<i>termit</i>	new	2.2.0	<a href="http://termit.googlecode.com/">http://termit.googlecode.com/</a>
<i>thai-scalable-fonts-common</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-fonts-compatible</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-garuda-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-kinnari-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-loma-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-norasi-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-purisa-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-sawasdee-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-tlwgmono-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>

组件	老版本	新版本	上游URL
<i>thai-scalable-tlwgtypewriter-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-tlwgtypist-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-tlwgtypo-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-umpush-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>thai-scalable-waree-fonts</i>	0.4.11	0.4.12	<a href="http://linux.thai.net/projects/thaifonts-scalable">http://linux.thai.net/projects/thaifonts-scalable</a>
<i>tigervnc-server</i>	0.0.90	1.0.0	<a href="http://www.tigervnc.com">http://www.tigervnc.com</a>
<i>tigervnc-server-module</i>	0.0.90	1.0.0	<a href="http://www.tigervnc.com">http://www.tigervnc.com</a>
<i>un-core-batang-fonts</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>un-core-dinaru-fonts</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>un-core-dotum-fonts</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>un-core-fonts-common</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>un-core-graphic-fonts</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>un-core-gungseo-fonts</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>un-core-pilgi-fonts</i>	new	1.0.2	<a href="http://kldp.net/projects/unfonts/">http://kldp.net/projects/unfonts/</a>
<i>vemana2000-fonts</i>	new	1.1.1	<a href="http://www.kavya-nandanam.com/dload.htm">http://www.kavya-nandanam.com/dload.htm</a>
<i>vlgothic-fonts</i>	20090204	20090612	<a href="http://dicey.org/vlgothic">http://dicey.org/vlgothic</a>
<i>vlgothic-fonts-common</i>	20090204	20090612	<a href="http://dicey.org/vlgothic">http://dicey.org/vlgothic</a>
<i>vlgothic-p-fonts</i>	20090204	20090612	<a href="http://dicey.org/vlgothic">http://dicey.org/vlgothic</a>
<i>vte</i>	0.20.1	0.22.2	n/a
<i>wmfire</i>	new	1.2.3	<a href="http://www.swanson.ukfsn.org/">http://www.swanson.ukfsn.org/</a>

表 70. 用户\_界面-X的所有变更

组件	老版本	新版本	上游URL
<i>woodardworks-laconic-fonts</i>	new	001.001	<a href="http://www.woodardworks.com/type13.html">http://www.woodardworks.com/type13.html</a>
<i>woodardworks-laconic-shadow-fonts</i>	new	001.001	<a href="http://www.woodardworks.com/type13.html">http://www.woodardworks.com/type13.html</a>
<i>xdotool</i>	20090126	20090815	<a href="http://www.semicomplete.com/projects/xdotool/">http://www.semicomplete.com/projects/xdotool/</a>
<i>xkeyboard-config</i>	1.5	1.6	<a href="http://www.freedesktop.org/wiki/Software/XKeyboardConfig">http://www.freedesktop.org/wiki/Software/XKeyboardConfig</a>
<i>xmonad</i>	new	0.8.1	<a href="http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad">http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad</a>
<i>xorg-x11-apps</i>	7.3	7.4	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-Xephyr</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-Xnest</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-Xorg</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-Xvfb</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-common</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-server-devel</i>	1.6.1.901	1.7.1	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-xkb-extras</i>	new	7.4	<a href="http://www.x.org">http://www.x.org</a>
<i>xorg-x11-xkb-utils</i>	7.2	7.4	<a href="http://www.x.org">http://www.x.org</a>
<i>xscope</i>	new	1.2	<a href="http://cgit.freedesktop.org/xorg/app/xscope/">http://cgit.freedesktop.org/xorg/app/xscope/</a>
<i>xterm</i>	242	248	<a href="http://dickey.his.com/xterm">http://dickey.his.com/xterm</a>

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