# Fedora 12

## Release Notes

Release Notes for Fedora 12

Edited by The Fedora Docs Team

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# 1. Welcome to Fedora 12

## 1.1. Fedora 12 Overview

As always, Fedora continues to develop (*http://www.fedoraproject.org/wiki/Red_Hat_contributions*) and integrate the latest free and open source software (*http://www.fedoraproject.org/wiki/Features*). The following sections provide a brief overview of major changes from the previous release of Fedora. For more details about other features that are included in Fedora 12 refer to their individual wiki pages that detail feature goals and progress:

*http://www.fedoraproject.org/wiki/Releases/12/FeatureList*

Throughout the release cycle, there are interviews with the developers behind key features giving out the inside story:

*http://www.fedoraproject.org/wiki/Interviews*

The following are major features for Fedora 12:

- Improved WebCam support
- Better Video Codec
- Audio Improvements
- Better Power Management

Some other features in this release include:

- Automatic bug reporting tool
- Bluetooth on demand
- Many, many virtualization enhancements
- Still more security improvements

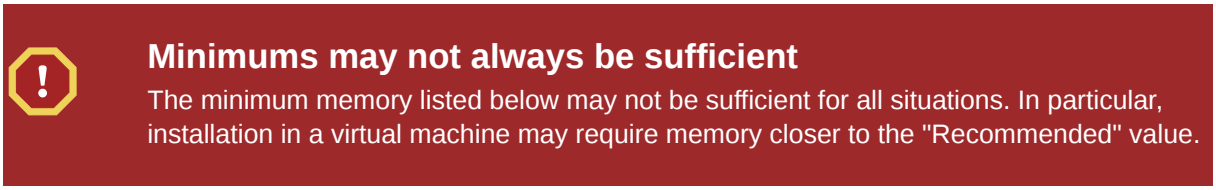
Features for Fedora 12 tracked on the feature list page:

*http://www.fedoraproject.org/wiki/Releases/12/FeatureList*

A discussion putting these features in context may be found at:

*http://www.fedoraproject.org/wiki/Fedora_12_Talking_Points*

## 1.2. Hardware Requirements




### 1.2.1. Processor and memory requirements for PPC Architectures

- Minimum CPU: PowerPC G3 / POWER3

- Fedora 12 supports the New World generation of Apple Power Macintosh, shipped from circa 1999 onward. Although Old World machines should work, they require a special bootloader which is not included in the Fedora distribution. Fedora has also been installed and tested on POWER5 and POWER6 machines.
- Fedora 12 supports pSeries and Cell Broadband Engine machines.
- Fedora 12 also supports the Sony PlayStation 3 and Genesi Pegasos II and Efika.
- Fedora 12 includes new hardware support for the P.A. Semiconductor 'Electra' machines.
- Fedora 12 also includes support for Terrasoft Solutions powerstation workstations.
- Recommended for text-mode: 233 MHz G3 or better, 128 MiB RAM.
- Recommended for graphical: 400 MHz G3 or better, 256 MiB RAM.

### 1.2.2. Processor and memory requirements for x86 Architectures

The following CPU specifications are stated in terms of Intel processors. Other processors, such as those from AMD, Cyrix, and VIA that are compatible with and equivalent to the following Intel processors, may also be used with Fedora. Fedora 12 requires an Intel Pentium Pro or better processor, and is optimized for i686 and later processors.

- Recommended for text-mode: 200 MHz Pentium Pro or better
- Recommended for graphical: 400 MHz Pentium Pro or better
- Minimum RAM for text-mode: 128 MiB
- Minimum RAM for graphical: 192 MiB
- Recommended RAM for graphical: 256 MiB

### 1.2.3. Processor and memory requirements for x86_64 architectures

- Minimum RAM for text-mode: 256 MiB
- Minimum RAM for graphical: 384 MiB
- Recommended RAM for graphical: 512 MiB

### 1.2.4. Hard disk space requirements for all architectures

The complete packages can occupy over 9 GB of disk space. Final size is entirely determined by the type os release being installed and the packages selected during installation. Additional disk space is required during installation to support the installation environment. This additional disk space corresponds to the size of /Fedora/base/stage2.img (on Installation Disc 1) plus the size of the files in /var/lib/rpm on the installed system.

In practical terms, additional space requirements may range from as little as 90 MiB for a minimal installation to as much as an additional 175 MiB for a larger installation.

Additional space is also required for any user data, and at least 5% free space should be maintained for proper system operation.

## 1.3. Welcome to Fedora

Fedora is a Linux-based operating system that showcases the latest in free and open source software. Fedora is always free for anyone to use, modify, and distribute. It is built by people across the globe who work together as a community: the Fedora Project. The Fedora Project is open and anyone is welcome to join. The Fedora Project is out in front for you, leading the advancement of free, open software and content.

**Note**

Visit *http://docs.fedoraproject.org/release-notes/* to view the latest release notes for Fedora, especially if you are upgrading. If you are migrating from a release of Fedora older than the immediately previous one, you should refer to older Release Notes for additional information.

You can help the Fedora Project community continue to improve Fedora if you file bug reports and enhancement requests. Refer to *http://fedoraproject.org/wiki/Bugs_and_feature_requests* for more information about bug and feature reporting. Thank you for your participation.

To find out more general information about Fedora, refer to the following Web pages:

- Fedora Overview (*http://fedoraproject.org/wiki/Overview*)
- Fedora FAQ (*http://fedoraproject.org/wiki/FAQ*)
- Help and Discussions (*http://fedoraproject.org/wiki/Communicate*)
- Participate in the Fedora Project (*http://fedoraproject.org/wiki/Join*)

## 1.4. Common bugs

Most complex software contains bugs. One of the features of free and open source software is the ability to report bugs, helping to fix or improve the software you use.

A list of common bugs is maintained for each release by the Fedora Project as a good place to start when you are having a problem that might be a bug in the software:

*https://fedoraproject.org/wiki/Common_F12_bugs*

## 1.5. Feedback

Thank you for taking the time to provide your comments, suggestions, and bug reports to the Fedora community; this helps improve the state of Fedora, Linux, and free software worldwide. A list of commonly reported bugs and known issues for this release is available from *http://fedoraproject.org/wiki/Common_F12_bugs*.

### 1.5.1. We Need Feedback!

If you find a typographical error in this manual, or if you have thought of a way to make this manual better, we would love to hear from you! Please submit a report in Bugzilla: *http://bugzilla.redhat.com/bugzilla/* against the product **Fedora.**

When submitting a bug report, be sure to mention the manual's identifier: *Release_Notes*

If you have a suggestion for improving the documentation, try to be as specific as possible when describing it. If you have found an error, please include the section number and some of the surrounding text so we can find it easily.

### 1.5.2. Other Ways to Leave Feedback

You can learn more about the Bugzilla process at *http://fedoraproject.org/wiki/Bugs_and_feature_requests*. However, if you are not comfortable leaving feedback through Bugzilla, you could also:

- If you have a Fedora account, edit content directly at *http://fedoraproject.org/wiki/Documentation_Beats*.
- Email *relnotes@fedoraproject.org*[1].

## 2. Installation Notes

**Note**

To learn how to install Fedora, refer to either the *Fedora Installation Quick Start Guide* available from *http://docs.fedoraproject.org/installation-quick-start-guide/* or the *Fedora Installation Guide* available from *http://docs.fedoraproject.org/install-guide/*. If you encounter a problem or have a question during installation that is not covered in these release notes, refer to *http://www.fedoraproject.org/wiki/FAQ*[3] and *http://www.fedoraproject.org/wiki/Bugs/Common*[4].

**Anaconda** is the name of the Fedora installer. This section outlines issues related to **anaconda** and installing Fedora 12.

### 2.1. Ext4 for boot partitions

Although ext4 was the default file system in Fedora 11, the version of the GRUB bootloader included with Fedora 11 could not read ext4 partitions. Fedora 11 therefore required a separate ext3 boot partition. The version of GRUB included in Fedora 12 now supports ext4, so **anaconda** now allows you to place `/boot` on an ext4 partition.

## 3. Architecture Specific Notes

This section provides notes that are specific to the supported hardware architectures of Fedora.

### 3.1. 32-bit base changed to i686

Fedora 11 had i586 as the base 32-bit x86 architecture.

For Fedora 12, we are switching to i686 as the base architecture (including CMOV), and improving support for Atom processors.

This means we will lose support for the following CPU families:

- Intel i586 (all)
- National Semiconductor Geode processors

- VIA C3 (Ezra and Samuel Cores)
- AMD Geode GX

AMD Geode LX (as used in the OLPC XO laptop) and later Geode NX processors should still work. Those interested are, of course, welcome to set up a secondary architecture for older processors.

Benefits:
- Faster binaries on mainstream architectures (Pentium M, Via C7, all 64-bit arches, Atom)
- Realistically, support for i586 in Fedora 11 was quite limited. This change makes that lack of support a little more clear.
- Fewer kernel builds

# 4. Changes in Fedora for Desktop Users

## 4.1. Fedora Desktop

### 4.1.1. Spanning Desktop

In the latest version of '"Xorg"' included in this release, if you have a dual monitor setup, your desktop display will span across them instead of using a cloned display by default. This matches the behaviour of other operating systems.

### 4.1.2. Better webcam support

The better webcam support feature for Fedora 10 did much to improve webcam support in Linux. We now have a library (**libv4l**) for decompressing various proprietary video formats in user space, and almost all applications that use webcams have been patched to use this library.

Fedora 12 contains a second push for better webcam support, comprising three pieces:
- Lots of testing, fixing bugs, and improving of existing in-kernel drivers.
- Add video processing to **libv4l** for better video quality for cams which lack any of the following in hardware:
  - White balancing
  - Gamma correction
  - Automatic adjustment of exposure (gain)
  - Recognize laptop cams which are known to be installed upside down and rotate the image 180 degrees in software
- Clean up existing out-of-tree drivers, moving the decompression to **libv4l** where needed and merge them into the mainline, specifically the following ones:
  - qc-usb: stv0600 (and similar)-based cams, mainly Logitech QuickCam Express (done as of kernel 2.6.29)
  - ov51x-jpeg: ov511(+) and ov518(+) driver (done as of kernel 2.6.31rc1, libv4l-0.6.0)

- qc-usb-messenger: st6422-based cams mainly Logitech QuickCam Messenger models (done as of kernel 2.6.31rc1)
- sn9c20x: sn9c20x-based cams, many newer cheap cams (done as of kernel 2.6.31rc2)

### 4.1.3. ABRT

The **ABRT** automatic bug reporting tool replaces **bug-buddy** and **kerneloops** in the Fedora 12 desktop. **ABRT** has an extensible architecture and can not only catch and report segmentation faults and kernel oops, but also python backtraces. In contrast to **bug-buddy**, it can catch segmentation faults in any binary, not just GTK+ applications.

If you have manually modified the **GConf** settings for the **bug-buddy** GTK+ module before, you may see warning messages like the following from GTK+ applications:

```
Gtk-Message: Failed to load module "gnomebreakpad":
libgnomebreakpad.so: cannot open shared object file: No such file or
 directory
```

To stop these messages, run the following command in a terminal in your session:

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

### 4.1.4. GNOME 2.28

The **GNOME 2.28.1** desktop is part of this release, and is the default environment used in the Fedora Desktop Live image. The Desktop Live image is a downloadable CD you can use to test the new GNOME environment with or without installing it. The image can be written to CD, or to a USB flash disk; for instructions, refer to *https://fedoraproject.org/wiki/FedoraLiveCD/USBHowTo*.

#### 4.1.4.1. Icons in menus and buttons

Icons in menus and buttons are not shown by default in **GNOME 2.28**. To get the old, icon-rich appearance back, select **System** → **Preferences** → **Appearance**, click the **Interface** tab and enable **Show icons in menus**. There is, however, no menu interface to enable the icons for the buttons. To set the corresponding GConf keys instead for enabling both the menus and buttons to have icons:

```
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. Additional improvements in GNOME 2.28

Compared to previous Fedora releases, there are a number of other changes in the default configuration of the GNOME desktop:

- The 'Windows' preference dialog is no longer installed by default. It is still available in the control-center-extra package

- The 'Main Menu' preference dialog is no longer installed by default. It is still available in the alacarte package
- The user switcher has been moved to the far right of the top panel
- The 'Show Desktop' button has been removed by default. If you prefer, you can add this panel applet back with right click, "Add to Panel..." and selecting "Show Desktop".
- The number of workspaces in the 'Workspace Switcher' has been reduced to 2
- The panel now adds padding between applets and between icons in the notification area. The padding can be removed with the following commands:

```
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

**Gnote** is installed by default in GNOME for this release replacing **Tomboy**. **Gnote** is a port of **Tomboy** from Mono to C++ and consumes fewer resources. **Gnote** is both an applet that can sit in your GNOME panel as well as an individual application you can run within other desktop environments. Fedora Desktop Live CD since the Fedora 10 release has excluded Mono and hence Mono-based applications like **Tomboy** due to lack of space. **Gnote** will be installed by default in the Live CD as well in this release. **Tomboy** is still available as an optional alternative. If you are upgrading from the previous release you will not be migrated to **Gnote** and will continue to have **Tomboy**. **Tomboy** users can migrate easily to **Gnote** as it shares the file format and a plugin is available in **Gnote** that will automatically import **Tomboy** notes on first run. Many of the **Tomboy** plugins have been ported to **Gnote**. The following plugins are available as part of **Gnote**:

- Bugzilla Links
- Tomboy Importer
- Fixed Width
- Insert Timestamp
- Export to HTML
- Printing Support
- Sticky Notes Importer
- Backlinks

You can copy the notes from **Tomboy** to **Gnote** using the following command in your home directory:

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

The sticky notes applet is not provided anymore since **Gnote** provides a better note taking utility and is available by default in this release.

### 4.1.4.4. Sound preferences

The GNOME sound preferences now supports profile switching.

### 4.1.4.5. Empathy

**Empathy** replaces **Pidgin** as the default instant messenger in GNOME. **Empathy** is better integrated with GNOME and provides audio and video functionality for users of the Extensible Messaging and Presence Protocol (XMPP, formerly Jabber) with more improvements planned. **Empathy** supports importing accounts from **Pidgin** on first run so you can migrate more easily. If you are upgrading from a previous release, you will continue to have **Pidgin** by default. **Pidgin** continues to be available in the repository and is actively maintained.

The major advantages and disadvantages of **Empathy** are:

#### Advantages

- Better GNOME integration. Passwords are stored in the keyring instead of plain text like in **Pidgin**
- Voice chat with **GoogleTalk**. Voice chat requires extra **gstreamer** codecs and manual firewall reconfiguration and **Pidgin** now uses the same framework as well.
- Account migration support from **Pidgin** has been added to **Empathy**.
- Support for collaboration with **Abiword** and other programs
- Geo Location (very recent feature)

#### Disdvantages

- Missing plugin system, so many of the add-on features available to **Pidgin** (like encryption) are not available to **Empathy**
- No proxy support

### 4.1.4.6. Totem

**Totem** only supports a **gstreamer** back end now. The **totem-xine** back end has been removed completely.

### 4.1.4.7. Epiphany

**Epiphany** in this release is now using the WebKit engine instead of the Gecko engine from **Firefox**.

### 4.1.4.8. GNOME Shell — preview of GNOME 3

A very early version of GNOME Shell is now available in the repository. GNOME Shell is a key part of GNOME 3 and is in active development with the heavy involvement of Fedora developers and interaction designers. A simple way to try out GNOME Shell is to install the *desktop-effects* package:

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

Then, click **System** → **Preferences** → **Desktop Effects**

If you would like to configure it manually, run

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

You can also run the following to invoke it directly.

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

### 4.1.5. KDE 4.3

**KDE 4.3** is part of this release and is the default environment in the Fedora KDE Desktop Live image. The KDE Desktop Live image is a downloadable CD you can use to test the new KDE environment with or without installing it. You can write the image to a CD or to a USB flash drive.

**KDE 4.3** is the latest release of KDE 4, with many enhancements and new features. **Plasma** has a new *Air* look, improved job and notification management and fully-configurable keyboard shortcuts. There are also new **Plasma** widgets and existing ones are improved. **KWin** is optimized for performance and brings new desktop effects to KDE. KDE now contains a new bug reporting tool, making it easier to report bugs to the KDE developers.

### 4.1.6. Moblin Desktop

The Moblin Architecture is designed to support multiple platforms and usage models ranging from Netbooks and NetTops to Mobile Internet Devices (MID) and various embedded usage models, such as In Vehicle Infotainment systems.

A preview of the Core Moblin 2 desktop environment for NetBook/NetTop/MID devices is available for testing in Fedora.

The Moblin Desktop may be installed as a group with yum:

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

## 4.2. Networking

### 4.2.1. NetworkManager with system-wide connections and enhanced support for mobile broadband

**NetworkManager** can now create and edit system-wide network connections in **`/etc/sysconfig`**. **NetworkManager** has been able to read information about system-wide network connections from **`/etc/sysconfig`** for a while. Now we have enabled full read-write support for system connections. The ability to create or modify new system connections will be controlled by **PolicyKit** policies. Initially, only wired and wireless connections will be supported. Later on, VPN connections will follow. For connections that require secrets, those will be stored in **`.keys`** files in **`/etc/sysconfig`**.

By providing a database of preconfigured mobile broadband providers, supporting more hardware, and permitting scanning of GSM networks, **NetworkManager** makes the use of mobile broadband much easier. Your broadband provider will be automatically recognized by **NetworkManager** and it will make it easy to just plug in your USB device and get you online within minutes.

### 4.2.2. Enhanced IPv6 support in NetworkManager

For non-GUI users, and those that use **`ifcfg`** files directly, **NetworkManager** should bring up the interface with IPv6 connectivity correctly at boot. No modification of the **`ifcfg`** files should be necessary.

For GUI users, a new IPv6 tab will appear in the connection editor which will allow for control of the IPv6 settings similar to control of IPv4 settings already. After selecting the configuration method (**`auto`** is the default, which will honor router-advertisements and attempt to retrieve DNS information with DHCPv6 information-only mode) and entering any additional settings they may wish to use, then saving the connection, activating that connection should configure the interface fully with IPv6 as requested by the user.

### 4.2.3. Network Interface Management

Configuring the network interfaces on a machine for moderately complicated yet common scenarios is generally only accessible to advanced users, and very poorly supported by existing tools. Such scenarios include creating a bridge and enslaving a physical NIC to it, or bonding two NICs, adding a VLAN interface to the bond and enslaving that to a bridge.

Complicated bridge setups are commonly needed on virtualized hosts, and often have to be performed remotely by higher-level management tools, rather than a human user.

This feature addresses these needs by providing a general-purpose network configuration library (**netcf**) and additions to the **libvirt** API to expose **netcf**'s local API through **libvirt**'s remoting facilities.

With **netcf**, a logical network interface (for example, a bridge and its slaves) is described as a unit, and **netcf** takes care of translating that description into the appropriate **`ifcfg-*`** files. To guarantee the happy coexistence of **netcf** with other network configuration utilities, including **vi**, **netcf** is bidirectional: it modifies **`ifcfg-*`** files based on a **netcf** interface description, but also reads **`ifcfg-*`** files to generate such a description. It is therefore possible to use **netcf** side-by-side with any other method of changing network configuration, and many of the pitfalls of earlier attempts to do this — for example, the Xen networking scripts — are avoided.

It is planned to switch **NetworkManager** to **netcf** as the backend for system-wide network configuration in a future release; while it is not part of this release, it will further unify the user experience around network configuration. Similarly, it is planned to expose network configuration functionality in a future release of **virt-manager**.

### 4.2.4. Bluetooth Service On Demand

In order to support Bluetooth devices, the Bluetooth background service was started by default in previous versions of Fedora. In this release, the Bluetooth service is started on demand when needed and automatically stops 30 seconds after last device use instead. This reduces initial startup time and resource consumption.

## 4.3. Internationalization

This section includes information on language support in Fedora.

### 4.3.1. iBus

*iBus* has undergone further development and improvements, such as:

- Native input method module for Qt4 (*ibus-qt*).
- Key layout support for input method developers. It also enables non-US-QWERTY users to use input methods that were designed only for US-QWERTY.

### 4.3.2. Chinese

More Chinese tables have been ported from scim-table to ibus-table.

### 4.3.3. Indic

Lohit fonts have been split to subpackages for every supported script. Lohit fonts are now Unicode 5.1 compatible.

### 4.3.4. Japanese

IPA fonts have been added to provide good quality fonts with cover of JIS2004. Installation of *ipa-gothic-fonts*, *ipa-pgothic-fonts*, ipa-mincho-fonts and *ipa-pmincho-fonts* packages is recommended to get JIS2004 features on Fedora.

## 4.4. Multimedia

Thusnelda

In support of free culture, the open web, and to reduce the hold of proprietary and patent-encumbered codecs, Red Hat has been sponsoring improvements on the open Ogg Theora video codec implementation codenamed **Thusnelda** via Christopher Montgomery (xiphmont), who created the format and work has resulted in drastic improvements to the codec. This release features this next generation codec, compared to **libtheora 1.0**, the new encoder can produce comparable quality encodings at a lower bitrate, or better quality at the same bitrate. All applications using **libtheora** library including all the **GStreamer** applications will automatically and transparently be taking advantage of the improvements.

Pulse Audio Enhancements

Fedora developers have been made several improvements to the **PulseAudio** system. More details are available from *http://0pointer.de/blog/projects/oh-nine-sixteen.html*. These include the following:

- new mixer logic
- UPnP MediaServer support
- hotplug support improved
- surround sound support for event sounds

Fedora Studio

**Fedora Studio** is an optional multimedia menus package that allows users to have their audio and video applications classified in their desktop menu. In previous versions of Fedora, all multimedia applications were in one large group. This package makes it easier for users to navigate audio and video applications.

# 5. Changes in Fedora for System Administrators

## 5.1. Fedora 12 Boot Time

### 5.1.1. GRUB with ext4 support

Fedora 9 originally included experimental support for ext4 and Fedora 11 included ext4 by default. However, **GRUB** in that version did not support ext4 and hence required a separate boot partition formatted as ext3 or ext2. Fedora 12 now includes a updated version of **GRUB** with ext4 support. **Anaconda** (the Fedora installer) will permit this as well.

### 5.1.2. Dracut — new booting system

Up until Fedora 10, the boot system (*initial ram disk* or *initrd*) used to boot Fedora was monolithic, very distribution-specific and did not provide much flexibility. This will be replaced with **Dracut**, an initial ram disk with an event-based framework designed to be distribution-independent. It has been also adopted by the Fedora-derived OLPC project's XO operating system. OLPC modules for **Dracut** are available in the Fedora repository. Early feedback and testing is welcome.

### 5.1.3. Faster and smoother graphical startup

*Kernel Mode Setting* (KMS) is now enabled by default on NVIDIA systems as well, through the **Nouveau** driver. Fedora 10 originally included support for KMS, but only for some ATI display cards. In Fedora 11, this was extended to Intel cards as well. This release has extended it further to support NVIDIA cards as well.

As as result of this improvement, you will get a faster and smoother graphical boot on nearly all systems, via the **plymouth** graphical boot system developed within Fedora.

## 5.2. Security

This section highlights various security items from Fedora.

### 5.2.1. Local users may install trusted packages

**Non-privileged users may install software.**

In Fedora 12, a *local* user may install *signed* packages without authentication. This is a change from Fedora 11.

In common use cases, local desktop users frequently install packages. In Fedora 11, this required authentication. In Fedora 11, if the user wishes to install an unsigned package, a second authentication is required. Since the desktop user is typically the owner and sole user of the machine, the default was changed in Fedora 12 to allow a local user to install signed (trusted) packages without authentication. Unsigned packages continue to require authentication.

This change only affects installs and updates made through the graphical interface. It does not affect **yum**, nor does it allow packages to be removed without authentication.

Some administrators may prefer the old behavior. To restore the Fedora 11 behavior, create a file in **/var/lib/polkit-1/localauthority/20-org.d** (name it anything you want as long as it ends with .pkla)) and the content should be

```
[NoUserSignedInstall]
Identity=unix-user:*
Action=org.freedesktop.packagekit.package-install
ResultAny=no
ResultInactive=no
ResultActive=auth_admin
```

It is important to note that, as of this writing, there is some discussion as to whether this feature may be reverted. There is also a question about whether the above fix works for all users. This document will be updated as new information becomes available.

Those that want to follow the detailed discussion can refer to *https://bugzilla.redhat.com/show_bug.cgi?id=534047*. Be advised that most of those commenting are developers and frequently have software and understanding beyond ordinary users.

### 5.2.2. Lower process capabilities

Daemons running as root have been reviewed and patched to run with lower process capabilities. This reduces the desirability of using these daemons for privilege escalation. Additionally, the shadow file permissions have been changed to **000** and several directories in **$PATH** have been set to **555** in order to prevent daemons without **DAC_OVERRIDE** from being able to access the shadow file or write to the **$PATH** directories.

When someone attacks a system, they normally can not do much unless they can escalate privileges. This feature reduces the number of attack targets that can be used to escalate privileges. If root processes do not have all capabilities, they will be harder to use to subvert the system.

Processes with the root uid can still damage a system, because they can write to nearly any file and of course read the **/etc/shadow file**. However, if the system is hardened so that root requires the **DAC_OVERRIDE** capability, then only a limited number of processes can damage the system. This will not affect any admin abilities because they always get full privileges which includes **DAC_OVERRIDE**. Therefore, even if someone does successfully attack a root process, it is now harder for them to take advantage of this attack.

A hardened system would have permissions like: **555 /bin**, **555 /lib**, **000 /etc/shadow** and so on. The current scope is to cover the directories in **$PATH** variable, library dirs, **/boot**, and **/root**. This scheme does not affect SELinux in any way and complements it since capabilities are DAC controls and they have first vote on allowing an access.

### 5.2.3. SELinux Sandbox

The SELinux sandbox allows a command to be run in a highly constrained fashion. Unfortunately, the nature of GUI applications is such that it is very difficult to use this capability on those applications that need it most.

A new **sandbox -X** command allows many GUI applications to be tightly constrained. By applying this within some web applications, a user may specify, for example, that Open Office should run normally when invoked by the user, but should be constrained when invoked from the web.

When run from the SELinux sandbox, a GUI application may only access a limited directory structure which is destroyed on exit, is denied access to the network, and runs in an isolated X-server, which prevents it from accessing other X applications.

## 5.3. Virtualization

Virtualization in Fedora 12 includes major changes, and new features, that continue to support KVM, Xen, and many other virtual machine platforms.

KVM and QEMU have gained a number of new features in this release. KVM guest memory usage and performance is improved by the addition of KSM and KVM Huge Page Backed Memory. The performance of the qcow2 image format is greatly improved. Support for both SR-IOV and NIC hotplug has been added. Finally, gPXE is now used in place of etherboot for guest PXE booting.

On the libvirt side, APIs have been added for storage management and network interface management. libvirt now also runs QEMU processes unprivileged.

A new library (**libguestfs**) and an interactive tool (**guestfish**) is now available for accessing and modifying virtual machine disk images.

### 5.3.1. Kernel Same Page Merging and Reduced Guest Memory Usage

*Kernel SamePage Merging* (KSM) allows identical memory pages to be merged by the kernel into a single page shared between one or more processes. This feature is leveraged by KVM to allow multiple, similar, guest virtual machines to have a reduced memory footprint. Because memory is shared, the combined memory usage of the guests is reduced.

For further details refer to *http://fedoraproject.org/wiki/Features/KSM* and *http://lwn.net/Articles/306704/*

### 5.3.2. KVM Huge Page Backed Memory

Enable KVM guests to use huge page backed memory in order to reduce memory consumption and improve performance by reducing CPU cache pressure. Users of KVM guests using huge page backed memory should experience improved performance with some savings in host memory consumption. The performance benefit is workload dependent.Using huge pages for guest memory does have a downside, however - you can no longer swap nor balloon guest memory.

For further details refer to: *http://fedoraproject.org/wiki/Features/KVM_Huge_Page_Backed_Memory*.

### 5.3.3. KVM NIC Hotplug

Network interfaces may now be added to a running KVM guest using *libvirt*/*virt-manager* without the need to restart the guest.

For further details refer to: *http://fedoraproject.org/wiki/Features/KVM_NIC_Hotplug*.

### 5.3.4. KVM qcow2 Performance

The native disk image file format of *qemu* is **qcow2**. Qcow2 provides enhanced features over raw images, including: base images, snapshots, compression, and encryption.

Users wishing to protect guest machine data from host crashes commonly disable write caching on the host. Previously, this led to very poor performance for guests in qcow2 images.

The I/O performance of qcow2 disk images has been greatly improved. Users who did not use qcow2 because of the poor performance may consider to switch and take advantage of the additional features the format provides over raw disk images.

For further details refer to: *http://fedoraproject.org/wiki/Features/KVM_qcow2_Performance* and *http://www.gnome.org/~markmc/qcow-image-format.html*.

### 5.3.5. KVM Stable Guest ABI

KVM guests are presented with an emulated hardware platform or application binary interface that includes (e.g. a CPU model, APIC, PIT, ACPI tables, IDE/USB/VGA controllers, NICs etc.). When QEMU is updated to a new version, some aspects of this platform may change as new hardware capabilities are added. This is problematic for Windows guests where a guest ABI change may require a installation to be reactivated.

Guest virtual machines will now be presented with the same ABI across QEMU upgrades.

For further details refer to: *http://fedoraproject.org/wiki/Features/KVM_Stable_Guest_ABI* and *http://fedoraproject.org/wiki/KVM_Stable_Guest_ABI_Design_Notes*.

### 5.3.6. libguestfs Library for Manipulation of Virtual Machines

Added very late in the Fedora 11 development cycle, *libguestfs* is now an official feature in Fedora 12. *libguestfs* is a library for accessing and modifying guest disk images. Using Linux kernel and *qemu* code, *libguestfs* can access any type of guest filesystem that Linux and QEMU can.

The following tools are provided or augmented by libguestfs:

- Bindings for OCaml, Perl, Python, Ruby, and Java programming languages.
- *guestfish* - Provides an interactive shell for editing virtual machine filesystems and executing commands in the context of the guest.
- *virt-df* - Displays free space on virtual machine filesystems
- *virt-inspector* - Displays OS version, kernel, drivers, mount points, applications, etc. in a virtual machine.
- *virt-cat* - "Cat" out any file from inside a virtual machine.

For further details refer to:

- *http://fedoraproject.org/wiki/Features/libguestfs*
- *http://libguestfs.org/*

### 5.3.7. Network Interface management

Commonly used host network configurations, like bridges, bonds, VLAN's and sensible combinations thereof may now be created using the general-purpose network configuration library, netcf. Enhancements to the *libvirt* API expose this new functionality to remote managment hosts with *libvirtd*.

For further details refer to:

- *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 Virtualizaton

Single Root I/O Virtualization is a PCI feature which allows virtual functions (VF) to be created that share the resources of a physical function (PF). The VF devices are assigned to guest virtual machines and appear as physical PCI devices inside the guest. Because the guest OS is effectively driving the hardware directly, the I/O performance is on par with bare metal performance.

For further details refer to:

- *http://fedoraproject.org/wiki/Features/SR-IOV*
- *http://www.pcisig.com/specifications/iov/*
- *http://fedoraproject.org/wiki/Features/KVM_PCI_Device_Assignment*

### 5.3.9. gPXE now Default for Guests

QEMU guests now make use of the more modern and currently maintained *gpxe* rather than the deprecated etherboot tool for PXE booting.

For further details refer to:

- *http://fedoraproject.org/wiki/Features/VirtgPXE*
- *http://etherboot.org/wiki/index.php*

### 5.3.10. Virt Privileges

Changes have been introduced for QEMU/KVM virtual machines to improve host security in the event of a flaw in the QEMU binary.

- Permissions on /dev/kvm have been updated to allow unprivileged users to utilize KVM hardware acceleration.
- QEMU processes spawned by virt-manager on a local desktop install now run as the desktop user.
- QEMU processes spawned by the privileged libvirtd daemon now run as an unprivileged account, user 'qemu', group 'qemu'.
- libvirtd will change ownership of any disks assigned to a virtual machine at startup, to user 'qemu', group 'qemu', except for readonly/shared disks.
- To revert to previous Fedora behaviour of running all QEMU instances as 'root', two config parameters are introduced in /etc/libvirt/qemu.conf. It is not recommended to change these.

For further details refer to:

- *http://fedoraproject.org/wiki/Features/VirtPrivileges*

### 5.3.11. Virt Storage Management

Fibre Channel N_Port ID Virtualization or NPIV allows the creation of multiple virtual N_Ports on a single physical host bus adapter. The libvirt node device APIs have been extended to create and destroy virtual adapters using NPIV.

The APIs permitting storage discovery and pool creation have been extended to discover and rescan storage on a per-SCSI-host basis. Administrators may now discover, configure, and provision storage for virtual machines without the need for multiple tools.

For further details refer to:

- *http://fedoraproject.org/wiki/Features/VirtStorageManagement*
- *http://libvirt.org/storage.html*

## 5.3.12. Other Improvements

### 5.3.12.1. Libvirt Technology Compatibility Kit

Fedora now includes the libvirt Technology Compatibility Kit (TCK). The TCK is a functional test suite which provides detailed reports on functionality available for each libvirt driver and can be used to quickly identify failures or regressions in the development of Fedora's virtualization features.

For further details refer to:

- *http://fedoraproject.org/wiki/Features/VirtTCK*
- *http://libvirt.org/drivers.html*

### 5.3.12.2. Virtualization Technology Preview Repo

The Virtualization Preview Repository has been created for people who would like to test the very latest virtualization related packages. This repo is intended primarily as an aid to testing and early experimentation. It is not intended for 'production' deployment.

For further details refer to:

- *http://fedoraproject.org/wiki/Virtualization_Preview_Repository*

### 5.3.12.3. Xen Kernel Support

The kernel package in Fedora 12 supports booting as a guest domU, but will not function as a dom0 until such support is provided upstream. Work is ongoing and hopes are high that support will be included in kernel 2.6.33 and Fedora 13.

The most recent Fedora release with dom0 support is Fedora 8.

Booting a Xen domU guest within a Fedora 12 host requires the KVM based xenner. Xenner runs the guest kernel and a small Xen emulator together as a KVM guest.

**KVM requires hardware virtualization features in the host system.**

Systems lacking hardware virtualization do not support Xen guests at this time.

For further details refer to:

- *http://sourceforge.net/projects/kvm*
- *http://kraxel.fedorapeople.org/xenner/*

- *http://fedoraproject.org/wiki/Features/XenPvops*
- *http://fedoraproject.org/wiki/Features/XenPvopsDom0*

## 5.4. Web and Content Servers

### 5.4.1. mod_fcgid 2.3.4

This release includes *mod_fcgid* 2.3.4, the first non-beta release from its new home as part of the Apache httpd project. There should be no compatibility problems with existing applications designed to work with older versions of *mod_fcgid* but the configuration directives of *mod_fcgid* itself have all been renamed to avoid any potential conflicts with other parts of the Apache httpd project. This means that users updating from older releases may need to edit their *mod_fcgid* configuration: a script "**`fixconf.sed`**" is included in the *mod_fcgid* package to convert configurations from the old directive names to the new ones.

## 5.5. Samba (Windows Compatibility)

This section contains information related to Samba, the suite of software Fedora uses to interact with Microsoft Windows systems.

GFS2 Clustered Samba

With the availability of a clustered database (CTDB) for **Samba**, multiple instances of **smbd** across different nodes of a cluster are able to share state. It is now possible to export a gfs2 filesystem through one or more nodes in the cluster in a active/passive or active/active configuration to provide a highly-available **Samba** service.

## 5.6. File Systems

### 5.6.1. fusecompress

*Fusecompress* is a compressing filesystem mountable by unprivileged users. Fedora-11 had fusecompress-1.99.19. Fedora-12 updates to fusecompress-2.6. This fixes many very nasty bugs but changes the on-disk format. Users with fusecompress filesystems will need to migrate their data to the new format. Unless they decompress before upgrading, they will need the *fusecompress_offline1* package to do so.

**You must convert your filesystem**

If a user doesn't read these release notes and realize they need to upgrade the format, the first indication they'll have that something is wrong will probably be when they try to read a text file and it is binary:

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

The basic method of updating their system is documented in a **`/usr/share/doc/fusecompress_offline1-%{version}/README.fedora`** file in the fusecompress1 package. The

fusecompress package has a **README.fedora** that tells the user to install *fusecompress_offline1* and read that file. The upgrade instructions are repeated below:

```
Let's say that in Fedora 11 your old fusecompress rootDir (where the files
 are
actually stored) is in ~/.fusestorage and you mount it on ~/storage. Now
 you've
updated to Fedora 12 and need to get your fusecompress filesystems updated
 to
the new on-disk format.  Here's the basic steps::

    # Make sure the old fusecompress filesystem is unmounted
    fusermount -u ~/storage
    # Move it to a new location
    mv ~/.fusestorage ~/.fusestorage.old
    # Create a new directory for our new format data
    mkdir ~/.fusestorage
    # Mount the new directory.  It's now a new format fusecompress
 filesystem
    fusecompress ~/.fusestorage ~/storage
    # Decompress all the files in the old fusecompress data directory
    fusecompress_offline1 ~/.fusestorage.old
    # Move the files into the new format storage
    mv .fusestorage.old/* ~/storage
    # If you have any hidden files, remember to move them too
    mv .fusestorage.old/.?* ~/storage

Note that to use this exact procedure you need to have enough disk space to
uncompress all of the files stored in ~/.fusestorage.old.  If you don't
 have
that much space, you'll have to run fusecompress_offline1 on portions of
~/.fusestorage.old and move them to ~/storage where they'll be
 recompressed,
freeing up the space for you to run fusecompress_offline1 on more files.
```

## 5.7. X Window System (Graphics)

This section contains information related to the X Window System implementation, X.Org, provided with Fedora.

### 5.7.1. DisplayPort

DisplayPort is a new digital display connector and protocol. DisplayPort allows a higher bandwidth display interface, permitting display manufacturers to offer higher resolutions, higher color depths and higher refresh rates.

Fedora 12 includes enhanced DisplayPort capabilities for Intel adapters supporting that feature. Apple, HP and Dell offer DisplayPort display devices. Because DisplayPort has the potential for power reduction, it is expected that future laptops may contain embedded DisplayPort interfaces.

### 5.7.2. Third-party Video Drivers

Refer to the Xorg third-party drivers page for detailed guidelines on using third-party video drivers: *http://fedoraproject.org/wiki/Xorg/3rdPartyVideoDrivers*

# 6. Changes in Fedora for Developers

## 6.1. Tools

Fedora 12 includes a rich set of development tools including all popular programming languages, the best and latest IDEs, and an extensive set of libraries. This section addresses the major changes for Fedora 12. For a complete list of the hundreds of updated development components see the tables at the end of this document.

emacs

*emacs* has been updated to version 23. Emacs 23 has a wide variety of new features, including:

- Improved Unicode support.
- Font rendering with Fontconfig and Xft.
- Support for using X displays and text terminals in one session, and for running as a daemon.
- Support for multi-file commits in distributed version-control systems (VC-dir).
- New modes and packages for viewing PDF and postscript files (Doc-view mode), connecting to processes through D-Bus (dbus), connecting to the GNU Privacy Guard (EasyPG), editing XML documents (nXML mode), editing Ruby programs (Ruby mode), and more.

mercurial

Version 1.3.1 of *mercurial* now includes experimental support for sub-repositories.

## 6.2. Languages

Fedora 12 includes all of the popular programming languages. This section outlines the major changes since Fedora 11. Since Fedora tries to include the lastest of everything from upstream, there are, of course, many minor changes. See the tables at the end of this document for details.

Haskell

Fedora 12 includes the *haskell-platform*-2009.2.0.2. Haskell Platform is standard set of libraries and tools which provide a stable known platform for developing Haskell projects.

*ghc* has been updated to 6.10.4. The xmonad window manager and quite a few more libraries have also been added (cgi, editline, fgl, GLUT, haskell-platform, network, OpenGL, tar, time, utf8-string, X11-xft, xmonad, xmonad-contrib).

*ghc-rpm-macros* contains the rpm macros used in the Haskell Packaging Guidelines.

php

Fedora 12 includes version 5.3.0 of *php*. This includes a number of significant new features including support for namespaces, late binding, more consistent float rounding as well as a number of performance enhancements. For complete details see *http://php.net/releases/5_3_0.php*.

## 6.3. Eclipse

**Eclipse** has had a major update to version 3.5 (Galileo). Users should read the *Eclipse New & Noteworthy* page available at *http://update.eclipse.org/downloads/drops/R-3.5-200906111540/eclipse-news-all.html* to see the release notes for this version.

Fedora now includes more **Eclipse** plug-ins than ever before with the new inclusion of Doxygen Integration (*eclipse-eclox*), the Remote System Explorer (*eclipse-rse*) and a Verilog/VHDL Editor (*eclipse-veditor*).

Other major changes in **Eclipse** plug-ins:

- The Data Tools Platform now contains the full database development IDE (*eclipse-dtp*)
- The Dynamic Language Toolkit now includes Remote System Explorer integration (*eclipse-dltk-rse*)
- The Eclipse Modelling Framework SDO component was obsoleted and removed (*eclipse-emf-sdo*).

# 7. Changes in Fedora for Specific Audiences

## 7.1. What's new in science and mathematics

Fedora 12 includes a range of packages for science and mathematics. The following packages have been updated for Fedora 12.

R

*R* and many of its subpackages have been updated to the latest versions. There are a large number of new features which are described in detail on the project's mailing list: *https://stat.ethz.ch/pipermail/r-announce/2009/thread.html*.

fet

*fet* is a scheduling program for schools and universities. In addition to a large number of bug fixes and performance improvements, fet 5.10.2 allows for scheduling fixed time events, allows constraints to be placed on hours for teachers, allows activities to be locked and unlocked, and setting preferred starting times and rooms. The details may be found in the fet news at *http://lalescu.ro/liviu/fet/*.

A large number of other packages have undergone minor or bugfix updates. Refer to the tables at the end of this document for details.

## 7.2. Electronic Design Automation

This section outlines changes in the Fedora Electronic Lab for Fedora 12. Note that a number of the applications in FEL have application to a number of communities. These specific applications are outlined in the Circuit Design (which includes simulation and PCB layout) and Embedded Development sections of these notes.

### 7.2.1. Collaborative Code Review

One of the many faces of digital hardware design entails tracking many files to be fed to multiple EDA tools. The eventual reports or netlists are carefully analysed and logged as part of the sign-off methodology. Each company tracks these project dependent files under a certain directory structure and under a certain revision controlled system of their choice.

We have included an efficient and reliable code review solution into the Fedora collection. This trac-based peerreview solution will also help create links and seamless references between bugs, tasks, changesets and files. Project coordinators will have a more realistic the overview of the on-going project and track the progress very easy with respect to different milestones and deadlines.

### 7.2.2. Eclipse Default IDE

With the help and support from Fedora Eclipse team, Eclipse becomes FEL's prime IDE for HDL IP development and documentation. This adoption is to maintain true interoperability between tools offered by different embedded software vendors.

The following plugins provided by default on the Fedora Electronic Lab platform will enhance :

- frontend design
- autogeneration of documentation and maintenance of professional datasheets
- Perl/Tcl scripting (Perl modules which featured as from FEL10)
- version controlled projects

| Package | Description |
|---|---|
| eclipse-veditor | Helps digital IC designers/FPGA designers develop Verilog/ VHDL code on Eclipse. Provides a realtime error and warnings notification of typos, missing signals, unnecessary signals etc. |
| eclipse-eclox | If the vhdl code entails doxygen style comments, a pdf can be autogenerated and used either during internal meetings or sent to the client. |
| eclipse-texlipse | Since the pdf is generated from latex, the texlipse plugin will provide some additional page layout formatting and easy pdf creation. The pdf creation is now only Ctrl-S, rather than a manual click like one would do on kile. That said, kile will be removed from the FEL livedvd. |
| eclipse-cdt | Provides Embedded C and C++ development tools. |
| eclipse-dltk-tcl | Tcl scripts can be maintained along side with the HDL code. |
| eclipse-epic | Perl scripts can be maintained along side with the HDL code. |
| eclipse-subclipse | Adds Subversion integration to the Eclipse IDE |
| eclipse-egit | Adds distributed version controlled GIT integration to the Eclipse IDE |

Table 1. Eclipse Plugins selected for hardware design

### 7.2.3. Analog ASIC Design

toped

Updated to the consolidation release 0.9.4. The Fedora Toped package sets the variable $TPD_GLOBAL to /usr/share/toped by default so that the user could run toped out of the box.

Graham Petley and Krustev Svilen provided 2 TELL files as a demonstration how toped can interact with Pharosc Standard Cells via toped's GDSII and CIF parsers.

Highlights

- New graphic renderer which speeds-up the drawing up-to 3.5 times. Requires openGL version 1.4 (F-11 uses 1.3, but this is not an issue) and Virtual Buffer Objects. It will be used as a base for future graphical effects.
- The old renderer remains to cover graphic drivers implementing older openGL versions and particularly virtual desktops.
- The speed is also improved significantly.
- Updates and fixes in the external interfaces. GDSII in particular.
- New utility for conversion of Virtuoso(C) technology files to TELL.
- TDT format updated with new records. Version updated to 0.7.
- TDT format updated with new records. Version updated to 0.7.
- Further updates on the user interface customization - toolbars.
- Updates in the internal handling of the cell references. In result layer 0 is handled as a normal layer now.

**Old Toped releases will not be able to read TDT files produced by this release.**

There is a certain amount of code which is not yet merged to the main development trunk, including the calibre error report parser. The suggestion is to do that after the release. Some features were postponed instead of sacrificing stability at this stage.

Magic

Fedora Magic has been updated to 8.0.54.

Fedora Magic package has its documentation on a separate package called : *magic-doc*. The latter includes some examples of scmos and tutorials. Advanced Magic VLSI users would also be interested in reading the documentation again to grasp the fine details entailed in the 8.0 series.

Features:

- outline vector fonts (courtesy of the freefont project), and aims to clean up a lot of problems associated with labels in Magic.
- All the display, manipulation, OpenGL are complete.
- Features some "cifoutput" operators for use with the new "cif paint" command, for manipulating layout using boolean operators.
- Runtime speed has been improved.
- Two additional menus have been added for grid manipulation and text settings.

Electric

*electric* has been updated to 8.09.

Please note that because most of the electric userbase use third party plugins that due to the licensing incompatibilities wih Fedora, FEL can not add those plugins. That said, Fedora Electronic Lab team understands that releasing a new upstream version would break interoperability with the user's plugins. Hence new versions of electric will once make their way to the updates-testing repository.

### 7.2.4. Digital Design

Dinotrace

New to Fedora 12,Dinotrace is a waveform viewer which understands Verilog Value Change Dumps, ASCII, and other trace formats.

It allows placing cursors, highlighting signals, searching, printing, and other capabilities superior to many commercial waveform viewers.

Dinotrace is optimized for rapid debugging. With VTRACE, a simulation failure will automatically place cursors where errors occur, add comments visible in the wave form viewer. Four mouse clicks and the errors will be highlighted in the log files, and the values of signals at the error will be seen in the source.

Fedora also ships `dinotrace-mode` for emacs as *emacs-dinotrace-mode*.

eqntott

*eqntott* converts Boolean logic expressions into a truth table that is useful for preparing input to espresso package for logic minimization, converting logic expressions into simpler forms, and for creating truth tables. *eqntott* is new for Fedora 12.

expresso-ab

New for Fedora 12, *espresso* takes as input a two-level representation of a two-valued (or multiplevalued) Boolean function, and produces a minimal equivalent representation. It is a boolean logic minimization tool.

Verilator

Verilator is the fastest free Verilog HDL simulator. It compiles synthesizable Verilog, plus some PSL, SystemVerilog and Synthesis assertions into C++ or SystemC code. It is designed for large projects where fast simulation performance is of primary concern, and is especially well suited to create executable models of CPUs for embedded software design teams.

vrq

VRQ is modular verilog parser that supports plugin tools to process verilog. Multiple tools may be invoked in a pipeline fashion within a single execution of vrq. It is a generic front-end parser with support for plugin backend customizable tools.

Alliance

Fedora Alliance CVS devel repository got its 100th patch in August 2009, with respect to stability on 64 architecture and we are happy that upstream has applied all our patches for alliance. We have also built this new release for all Fedora supported testing repositories and EPEL-5 testing repository. There is also a new GUI *xgra* coming with this new release which is a Graph viewer.

We will not replace Alliance VLSI by herb (which was supported to be a fork of alliance) on Fedora. Before F-11's release, herb development was active but died out after F-11 was released. Since Alliance VLSI upstream is active and responsive to our wishes, there is currently no valid reason behind obsoleting alliance in favour of herb.

### 7.2.5. Perl Scripts for hardware Design

perl-SystemPerl

This is a new package for Fedora 12.

SystemPerl is a version of the SystemC language. It is designed to expand text so that needless repetition in the language is minimized. By using sp_preproc, SystemPerl files can be expanded into C++ files at compile time, or expanded in place to make them valid stand-alone SystemC files.

perl-Verilog-Perl

*perl-Verilog-Perl* has been updated to version 3.123. New features include:

- Improved warning when "do" used as identifier.
- Fixed escaped preprocessor identifiers, bug106.
- Fixed Perl 5.8.8 compile error, rt48226.
- Fixed Perl 5.8.0 compile error with callbackgen.

**Warning**

perl-Verilog-Perl obsoletes perl-Verilog. Fedora users are advised to tune their home-made Perl scripts accordingly.

## 7.3. Circuit Design

Fedora 12 includes a complete set of applications for schematic capture, circuit simulation, and PCB layout. The following are major changes to these applications. A complete list of changes may be found at the end of this document.

geda

In Fedora 12, the *geda* suite, previously packaged as a number of individual applications, is now provided in a single, complete package.

gspiceui

Fedora's *gspiceui* is now compiled under *wxgtk* 2.8 instead of the old *wxgtk* 2.6. This improves GSpiceUIi's GUI interface. GSpiceUI includes missing opamp-3.sym to /usr/share/gEDA/sym/misc/ (geda symbols directory).

**PPC64**

GSpiceUI is not available on Fedora supported PPC64 architecture as a result of missing gwave for that architecture.

kicad

Fedora 12 includes the latest version of *kicad*package> which incorporates a huge number of minor bug fixes and usability improvements. For a complete description of the many changes please refer to the upstream changelog at *http://www.lis.inpg.fr/realise_au_lis/kicad/*.

ngspice

*ngspice* has been updated to rework 19.

- Memory management: fixed memory leaks (Bug 514484 - A Long Warning Message)
- Integration of espice bugfixes and enhancements
- Bug fixes in plots and cli interface.
- Rework of BSim models, integration of EPFL-EKV model V2.63, ADMS models mextram, hicum0, hicum2.
- Fedora's ngspice has been patched to accept calls from Xcircuit TCL interface.

tclspice

*tclspice* is new to Fedora 12.

Before ngspice-rework-19, Fedora has considered *tclspice*'s stability too fragile. Examples of *tclspice* can be found via **`rpm -qd tclspice`**.

Tclspice provides Fedora users with extended capabilities for mixed-signal design via its TCL backend. Since Fedora is also providing tools for boolean manipulation (explained in the following section), Fedora users have adequate materials to spin his or her own mixed-signal EDA plugin.

xcircuit

*xcircuit* has been updated to version 3.6.161. Highlights include:

- Supports multiple schematic layout windows.
- A complete overhaul of the key-function binding routines and the function dispatch mechanism was effected.
- Several additions and corrections need to be made to make the multiplewindow implementation work properly.
- The way libraries are handled by making the distinction between library pages and files using the concept of "technology namespaces" has improved. Each object has a name composed of a "technology prefix", a double colon ("::"), and the object's name. Each library file declares a technology name, which is used as the prefix for all objects in that file. The prefixes are used by XCircuit to track which objects came from which file, regardless of the library page onto which they were loaded. Added support for wires connected to symbol pins remain connected while the symbol is moved. It also expands upon the "Attach-to" function, allowing wires to be (semi-) automatically attached to pin labels or symbol pins. The key macro for "attach-to" (key "A") can also be used like the "wire" function (key "w") to start a wire with its start-point attached to a symbol pin or pin label.
- The way info labels for PCB are handled was changed as from version 3.6.66.
- Runtime speed has been improved.
- Fedora's ngspice has been patched to accept calls from Xcircuit TCL interface.

## 7.4. Embedded Development

Fedora 12 includes a range of packages to support development of embedded applications on various targets. There is broad support for the AVR and related parts as well as for the Microchip PIC. In addition, there are packages to support development on older, less popular parts such as the Z80, 8051, and others. For a more complete description refer to *Packages for embedded development on the wiki* available at *https://fedoraproject.org/wiki/Packages_For_Embedded_Development* .

GNUSim8085

*gnusim8085* is new to Fedora. GNUSim8085 is a graphical simulator for Intel 8085 microprocessor assembly language. It has some very nice features including a keypad which can be used to write assembly language programs with much ease. It also has stack, memory and port viewers which can be used for debugging the programs.

gputils

*gputils* has added support for a number of newer processors. *gputils* now supports all processors supported by MPLAB 8.20 (except for EEPROM and similar devices).

gsim85

*gsim85* is an 8085 microprocessor simulator. It is having very user friendly graphical user interface. It can be used to test 8085 programs before actualy implementing them on target board. *gsim85* is new to Fedora 12.

mcu8051ide

Fedora 12 includes the new package, *mcu8051ide*. MCU 8051 IDE is integrated development enviroment for microcontrollers based on 8051. Supported programming languages are C and assembly.

It has its own assembler and support for 2 external assemblers. For C language, it uses SDCC compiler.

openocd

New for Fedora 12, the Open On-Chip Debugger (OpenOCD) provides debugging, in-system programming and boundary-scan testing for embedded devices. Various different boards, targets, and interfaces are supported to ease development time.

sdcc

*sdcc* 2.9.0 includes a number of new features. Refer to *http://sdcc.sourceforge.net/* for the complete list.

**Code may be incompatible**

Code developed for *sdcc* 2.8.0 may not be fully compatible with 2.9.0.

## 7.5. What's new for amateur radio operators

Fedora 12 includes a number of applications and libraries that are of interest to amateur radio operators and electronic hobbyists. Many of these applications are included in the Fedora Electronic Lab spin. Interesting applications may also be found under Circuit Design, Embedded Development, and Science and Mathematics. For a complete list of amateur radio applications available within Fedora refer to *https://fedoraproject.org/wiki/Applications_for_Amateur_Radio* on the wiki.

This section outline significant changes in these applications since the last release of Fedora. For complete information on all changes, major or minor, refer to the tables at the end of this document.

hamlib

*hamlib* has added support for:

- NRD-525
- Kenwood TRC-80
- Winradio G305/G315
- Yaseau FT2000 and FTDX-9000

xlog

In addition to a number of bug fixes, *xlog* now includes a feature to ease handling of unknown countries. When "**Tools -> Find unknown countries**" is selected, *xlog* will show a list of contacts for which DXCC lookup fails. You can then correct this by using a "**`DXCC-`**" string in the awards column.

# 8. All Changes in Fedora 12

This section details all the changed packages since the release of Fedora 11. The tables are organized according to the groups identified in the repository data. This grouping may be viewed differently by different people, so you may find it easier to look up the particular package of interest in the index.

## 8.1. Amusements

### 8.1.1. Amusements-Games

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *alienarena* | 7.21 | 7.32 | *http://red.planetarena.org/* |
| *alienarena-data* | 20090115 | 20091102 | *http://icculus.org/alienarena/* |
| *alienarena-server* | 7.21 | 7.32 | *http://red.planetarena.org/* |
| *anki* | 0.9.9.7.4 | 0.9.9.8.5 | *http://www.ichi2.net/anki* |
| *armacycles-ad* | 0.2.8.2.1 | 0.2.8.3 | *http://armagetronad.sf.net* |
| *armacycles-ad-dedicated* | 0.2.8.2.1 | 0.2.8.3 | *http://armagetronad.sf.net* |
| *atanks* | 3.2 | 3.9 | *http://atanks.sourceforge.net/* |
| *bastet* | new | 0.43 | *http://fph.altervista.org/prog/bastet.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *blobAndConquer* | 1.0 | dropped | *http://www.parallelrealities.co.uk/blobAndConquer.php* |
| *bygfoot* | 2.2.0 | 2.3.2 | *http://www.bygfoot.com* |
| *cfdg* | 2.1 | 2.2 | *http://www.contextfreeart.org/* |
| *childsplay* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_ca* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_de* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_es* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_fr* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_it* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_nl* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *childsplay-alphabet_sounds_ru* | 1.1 | 1.4 | *http://www.schoolsplay.org/* |
| *chromium-bsu* | new | 0.9.14 | *http://chromium-bsu.sourceforge.net/* |
| *colossus* | new | 0.9.3 | *http://colossus.sourceforge.net/* |
| *cyphesis-logwatch* | 0.5.19 | 0.5.21 | *http://www.worldforge.org* |
| *darkplaces* | new | 20090501 | *http://www.nexuiz.com/* |
| *darkplaces-quake* | new | 20090501 | *http://www.nexuiz.com/* |
| *darkplaces-quake-server* | new | 20090501 | *http://www.nexuiz.com/* |
| *darkplaces-server* | new | 20090501 | *http://www.nexuiz.com/* |
| *drascula-de* | new | 1.0 | *http://wiki.scummvm.org/index.php/Drascula:_The_Vampire_Strikes_Ba* |
| *drascula-es* | new | 1.0 | *http://wiki.scummvm.org/index.php/Drascula:_The_Vampire_Strikes_Ba* |
| *drascula-fr* | new | 1.0 | *http://wiki.scummvm.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | index.php/Drascula:_The_Vampire_Strikes_Back |
| drascula-it | new | 1.0 | http://wiki.scummvm.org/index.php/Drascula:_The_Vampire_Strikes_Back |
| drascula-music | new | 1.0 | http://wiki.scummvm.org/index.php/Drascula:_The_Vampire_Strikes_Back |
| ember | 0.5.5 | 0.5.6 | http://www.worldforge.org/dev/eng/clients/ember |
| ember-media | 0.5.5 | 0.5.6 | http://www.worldforge.org/dev/eng/clients/ember |
| fillets-ng | 0.8.1 | 0.9.1 | http://fillets.sourceforge.net/ |
| fillets-ng-data | 0.8.1 | 0.9.0 | http://fillets.sourceforge.net/ |
| freecol | 0.8.1 | 0.8.3 | http://www.freecol.org/ |
| freedink | 1.08.20090120 | 1.08.20090918 | http://www.freedink.org/ |
| freedink-data | 1.08.20080920 | 1.08.20090706 | http://www.freedink.org/ |
| freedink-dfarc | 3.2.1 | 3.4 | http://www.freedink.org/ |
| freedink-engine | 1.08.20090120 | 1.08.20090918 | http://www.freedink.org/ |
| freedoom | 0.6.2 | 0.6.4 | https://savannah.nongnu.org/projects/freedoom/ |
| freedoom-freedm | 0.6.2 | 0.6.4 | https://savannah.nongnu.org/projects/freedoom/ |
| freedroidrpg | 0.11.1 | 0.12.1 | http://freedroid.sourceforge.net/ |
| freedroidrpg-data | new | 0.12.1 | http://freedroid.sourceforge.net/ |
| geoqo | 0.99 | 1.01 | http://www.geoqo.org/ |
| glest | 3.2.1 | 3.2.2 | http://glest.org |
| glob2 | 0.9.3 | 0.9.4.1 | http://globulation2.org/ |
| gnome-games | 2.26.1 | 2.28.1 | http://projects.gnome.org/gnome-games/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-games-extra* | new | 2.28.1 | *http://projects.gnome.org/gnome-games/* |
| *gnome-games-extra-data* | 2.26.0 | 2.28.0 | *http://www.gnome.org* |
| *gnujump* | new | 1.0.6 | *http://gnu.org/software/gnujump* |
| *hedgewars* | 0.9.9 | 0.9.11 | *http://www.hedgewars.org/* |
| *inksmoto* | 0.5.1 | 0.6.0 | *http://xmoto.sourceforge.net/* |
| *kanatest* | 0.4.4 | 0.4.8 | *http://www.clayo.org/kanatest/* |
| *kdeedu* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeedu-kstars* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeedu-marble* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeedu-math* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdegames* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *manaworld* | 0.0.28 | 0.0.29.1 | *http://themanaworld.org* |
| *maxr* | 0.2.4 | 0.2.6 | *http://www.maxr.org* |
| *mmapper* | new | 2.0.4 | *http://sourceforge.net/projects/mmapper* |
| *mnemosyne* | 1.2 | 1.2.1 | *http://www.mnemosyne-proj.org/* |
| *nazghul* | 0.6.0 | 0.7.0 | *http://myweb.cableone.net/gmcnutt/nazghul.html* |
| *nazghul-haxima* | 0.6.0 | dropped | *http://myweb.cableone.net/gmcnutt/nazghul.html* |
| *nethack-vultures* | 2.1.0 | 2.1.2 | *http://www.darkarts.co.za/projects/vultures/* |
| *nexuiz* | 2.5 | 2.5.1 | *http://www.nexuiz.com/* |
| *nexuiz-data* | 2.5 | 2.5.1 | *http://www.nexuiz.com/* |
| *nexuiz-server* | 2.5 | 2.5.1 | *http://www.nexuiz.com/* |
| *openarena* | 0.7.7 | 0.8.1 | *http://openarena.ws/* |
| *openttd* | new | 0.7.3 | *http://www.openttd.org* |
| *openttd-opengfx* | new | 0.1.1 | *http://dev.openttdcoop.org/projects/opengfx* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pokerth* | new | 0.7.1 | *http://www.pokerth.net* |
| *puzzles* | 8373 | 8596 | *http://www.chiark.greenend.org.uk/~sgtatham/puzzles/* |
| *quake3* | 1.34 | 1.36 | *http://ioquake3.org/* |
| *quake3-demo* | 1.34 | 1.36 | *http://ioquake3.org/* |
| *robotfindskitten* | new | 1.7320508.406 | *http://robotfindskitten.org* |
| *rocksndiamonds* | 3.2.6.0 | 3.2.6.1 | *http://www.artsoft.org/rocksndiamonds/* |
| *slashem* | new | 0.0.8 | *http://slashem.sourceforge.net/* |
| *spring* | 0.78.2.1 | 0.80.4.2 | *http://springrts.com* |
| *springlobby* | 0.0.1.10425 | 0.27 | *http://springlobby.info* |
| *supertuxkart* | 0.6.1 | 0.6.2 | *http://supertuxkart.sourceforge.net/* |
| *trackballs-music* | 1.2 | 1.4 | *http://sourceforge.net/projects/trackballs* |
| *tremfusion* | new | 0.99 | *http://www.tremfusion.net/* |
| *tremfusion-common* | new | 0.99 | *http://www.tremfusion.net/* |
| *tremfusion-server* | new | 0.99 | *http://www.tremfusion.net/* |
| *tremfusion-tty* | new | 0.99 | *http://www.tremfusion.net/* |
| *tuxmath* | new | 1.7.2 | *http://tux4kids.alioth.debian.org/* |
| *tuxtype2* | 1.5.17 | 1.7.5 | *http://tux4kids.alioth.debian.org/tuxtype/index.php* |
| *urbanterror* | 1.34 | 1.36 | *http://www.urbanterror.net/* |
| *vdrift* | 20090215 | 20090615 | *http://vdrift.net* |
| *vdrift-data* | new | 20090615 | *http://vdrift.net* |
| *warzone2100* | 2.1.2 | 2.2.1 | *http://wz2100.net/* |
| *warzone2100-sequences* | new | 2.2.1 | *http://wz2100.net/* |
| *wesnoth* | 1.6.2 | 1.6.5 | *http://www.wesnoth.org* |
| *wesnoth-data* | 1.6.2 | 1.6.5 | *http://www.wesnoth.org* |
| *wesnoth-server* | 1.6.2 | 1.6.5 | *http://www.wesnoth.org* |
| *wesnoth-tools* | 1.6.2 | 1.6.5 | *http://www.wesnoth.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *worldofpadman* | 1.34 | 1.36 | *http://padworld.myexp.de/* |
| *wormux* | 0.8.2 | 0.8.4 | *http://www.wormux.org* |
| *wormux-data* | 0.8.2 | 0.8.4 | *http://www.wormux.org* |
| *xcowsay* | new | 1.1 | *http://www.doof.me.uk/xcowsay* |
| *xmoto* | 0.5.0 | 0.5.1 | *http://xmoto.sourceforge.net/* |

Table 2. All Amusements-Games changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xscorch* | 0.2.0 | 0.2.1 | *http://www.xscorch.org/* |
| *yofrankie-bge* | 1.4 | 1.1b | *http://www.yofrankie.org/* |

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

| | |
|---|---|
| Packages changed | 105 |
| Packages unchanged | 305 |
| Total packages | 410 |

### 8.1.2. Amusements-Graphics

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *camorama* | new | 0.19 | *http://camorama.fixedgear.org/* |
| *cbrpager* | 0.9.19 | 0.9.20 | *http://www.jcoppens.com/soft/cbrpager/index.en.php* |
| *cheese* | 2.26.0 | 2.28.1 | *http://projects.gnome.org/cheese/* |
| *dynamic-wallpaper* | new | 0.3.1 | *https://sourceforge.net/projects/dynwallpaper* |
| *gnofract4d* | 3.10 | 3.12 | *http://gnofract4d.sourceforge.net/* |
| *gnome-nds-thumbnailer* | 1.0.2 | 1.2.1 | *http://ftp.gnome.org/pub/GNOME/sources/gnome-nds-thumbnailer* |
| *gnome-screensaver* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |
| *kcometen4* | 1.0.4 | 1.0.5 | *http://www.mehercule.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | staticpages/index.php/kcometen4 |
| kdeartwork-kxs | 4.2.2 | 4.3.2 | http://www.kde.org/ |
| kdeartwork-screensavers | 4.2.2 | 4.3.2 | http://www.kde.org/ |
| kdeartwork-sounds | 4.2.2 | 4.3.2 | http://www.kde.org/ |
| kdeartwork-wallpapers | 4.2.2 | 4.3.2 | http://www.kde.org/ |
| kdetoys | 4.2.2 | 4.3.2 | http://www.kde.org/ |
| rsibreak | 0.9.0 | 0.10 | http://www.rsibreak.org |
| rss-glx | 0.8.2.p | 0.9.0.p | http://rss-glx.sourceforge.net/ |
| rss-glx-gnome-screensaver | 0.8.2.p | 0.9.0.p | http://rss-glx.sourceforge.net/ |
| rss-glx-kde | 0.8.2.p | 0.9.0.p | http://rss-glx.sourceforge.net/ |
| rss-glx-xscreensaver | 0.8.2.p | 0.9.0.p | http://rss-glx.sourceforge.net/ |
| tzclock | 2.7.4 | 2.7.5 | http://www.tzclock.org/ |
| xlockmore | 5.26.1 | 5.28 | http://www.tux.org/~bagleyd/xlockmore.html |
| xlockmore-gtk | 5.26.1 | 5.28 | http://www.tux.org/~bagleyd/xlockmore.html |
| xlockmore-motif | 5.26.1 | 5.28 | http://www.tux.org/~bagleyd/xlockmore.html |
| xplanet | 1.2.0 | 1.2.1 | http://xplanet.sourceforge.net |
| xscreensaver | 5.08 | 5.10 | http://www.jwz.org/xscreensaver/ |
| xscreensaver-base | 5.08 | 5.10 | http://www.jwz.org/xscreensaver/ |
| xscreensaver-extras | 5.08 | 5.10 | http://www.jwz.org/xscreensaver/ |
| xscreensaver-extras-gss | 5.08 | 5.10 | http://www.jwz.org/xscreensaver/ |
| xscreensaver-gl-base | 5.08 | 5.10 | http://www.jwz.org/xscreensaver/ |
| xscreensaver-gl-extras | 5.08 | 5.10 | http://www.jwz.org/xscreensaver/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xscreensaver-gl-extras-gss* | 5.08 | 5.10 | *http://www.jwz.org/xscreensaver/* |

Table 4. All Amusements-Graphics changes

| | |
|---|---|
| Packages changed | 30 |
| Packages unchanged | 43 |
| Total packages | 73 |

## 8.2. Applications

### 8.2.1. Application-Editors

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *efte-common* | new | 1.1 | *http://efte.cowgar.com* |

Table 5. All Application-Editors changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 0 |
| Total packages | 1 |

### 8.2.2. Applications-Archiving

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *AcetoneISO2* | 2.0.3 | 2.1.1 | *http://www.acetoneteam.org/* |
| *backintime-common* | new | 0.9.26 | *http://www.le-web.org/back-in-time/* |
| *backintime-gnome* | new | 0.9.26 | *http://www.le-web.org/back-in-time/* |
| *backintime-kde* | new | 0.9.26 | *http://www.le-web.org/back-in-time/* |
| *cfv* | 1.18.2 | 1.18.3 | *http://cfv.sourceforge.net* |
| *cpdup* | 1.11 | 1.14 | *http://apollo.backplane.com/FreeSrc/* |
| *cpio* | 2.9.90 | 2.10 | *http://www.gnu.org/software/cpio/* |
| *daa2iso* | 0.1.7a | 0.1.7c | *http://aluigi.altervista.org/mytoolz.htm* |
| *deco-archive* | 1.4 | 1.5 | *http://hartlich.com/deco/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *dump* | 0.4b41 | 0.4 | *http://dump.sourceforge.net/* |
| *duplicity* | 0.5.12 | 0.6.05 | *http://www.nongnu.org/duplicity/* |
| *dvdisaster* | 0.70.6 | 0.72.1 | *http://www.dvdisaster.com* |
| *file-roller* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/file-roller/* |
| *fsarchiver* | 0.4.6 | 0.6.0 | *http://www.fsarchiver.org* |
| *nssbackup* | new | 0.2 | *http://launchpad.net/nssbackup* |
| *par2cmdline* | 0.4 | 0.4.tbb.20090203 | *http://parchive.sourceforge.net/* |
| *rapid-photo-downloader* | new | 0.0.10 | *http://damonlynch.net/rapid/* |
| *rmt* | 0.4b41 | 0.4 | *http://dump.sourceforge.net/* |
| *xfburn* | 0.4.1 | 0.4.2 | *http://goodies.xfce.org/projects/applications/xfburn* |
| *xorriso* | new | 0.3.8 | *http://scdbackup.sourceforge.net/xorriso_eng.html* |

Table 6. All Applications-Archiving changes

| | |
|---|---|
| Packages changed | 20 |
| Packages unchanged | 49 |
| Total packages | 69 |

### 8.2.3. Applications-Communications

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *blueproximity* | new | 1.2.5 | *http://blueproximity.sourceforge.net/* |
| *cnetworkmanager* | new | 0.21.1 | *http://vidner.net/martin/software/cnetworkmanager/* |
| *ekiga* | 3.2.0 | 3.2.6 | *http://www.ekiga.org/* |
| *empathy* | 2.26.1 | 2.28.1.1 | *http://live.gnome.org/Empathy* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *evolution-conduits* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *fldigi* | 3.10 | 3.11.6 | *http://www.w1hkj.com/fldigi-distro/* |
| *gnokii* | 0.6.27 | 0.6.28 | *http://www.gnokii.org/* |
| *gnome-bluetooth* | 2.27.5 | 2.28.3 | *http://live.gnome.org/GnomeBluetooth* |
| *irssi* | 0.8.12 | 0.8.14 | *http://irssi.org/* |
| *itaka* | 0.2.1 | 0.2.2 | *http://sourceforge.net/projects/itaka* |
| *libnodeupdown* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *libnodeupdown-backend-ganglia* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *libnodeupdown-backend-openib* | new | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *libnodeupdown-backend-pingd* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *libnodeupdown-clusterlist-hostsfile* | new | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *libnodeupdown-devel* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *mailody* | new | 1.5.0 | *http://www.mailody.net/* |
| *morse2txt* | new | 1.0.0 | *http://morse2txt.sourceforge.net/* |
| *moserial* | new | 2.27.3 | *http://live.gnome.org/moserial/* |
| *mtkbabel* | new | 0.8 | *https://sourceforge.net/projects/mtkbabel* |
| *nullmodem* | 0.0.5 | 0.0.6 | *http://www.ant.uni-bremen.de/whomes/rinas/nullmodem/* |
| *perl-libnodeupdown* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *pidgin-gfire* | new | 0.8.3 | *http://www.gfireproject.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pilot-link* | 0.12.3 | 0.12.4 | *http://www.pilot-link.org/* |
| *pilot-link-perl* | 0.12.3 | 0.12.4 | *http://www.pilot-link.org/* |
| *qlandkartegt* | 0.10.0 | 0.15.1 | *http://www.qlandkarte.org/* |
| *qtel* | 0.11.1 | 0.11.2 | *http://svxlink.sourceforge.net* |
| *sems* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-conf_auth* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-diameter_client* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-g722* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-gateway* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-gsm* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-ivr* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-mailbox* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-pin_collect* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-speex* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sems-xmlrpc2di* | new | 1.1.1 | *http://www.iptel.org/sems* |
| *sendxmpp* | new | 0.0.8 | *http://sendxmpp.platon.sk/* |
| *sipwitch* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *sipwitch-php-swig* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *sipwitch-plugin-forward* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *sipwitch-plugin-scripting* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *sipwitch-plugin-subscriber* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sipwitch-plugin-zeroconf* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *sipwitch-python-swig* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *soundmodem* | 0.12 | 0.14 | *http://www.baycom.org/~tom/ham/soundmodem/* |
| *svxlink-server* | 0.10.1 | 0.11.1 | *http://svxlink.sourceforge.net* |
| *synce-hal* | 0.13.1 | 0.14 | *http://www.synce.org* |
| *synce-kpm* | 0.13 | 0.14 | *http://www.synce.org/moin/SynceTools/SynceKpm* |
| *synce-sync-engine* | 0.13 | 0.14 | *http://www.synce.org/* |
| *synce-trayicon* | 0.13 | 0.14 | *http://synce.sourceforge.net/* |
| *telepathy-butterfly* | 0.3.3 | 0.5.1 | *http://telepathy.freedesktop.org/wiki/* |
| *telepathy-gabble* | 0.7.26 | 0.8.7 | *http://telepathy.freedesktop.org/wiki/* |
| *telepathy-haze* | 0.3.0 | 0.3.1 | *http://developer.pidgin.im/wiki/Telepathy* |
| *telepathy-idle* | 0.1.3 | 0.1.5 | *http://telepathy.freedesktop.org/wiki/FrontPage* |
| *telepathy-salut* | 0.3.9 | 0.3.10 | *http://telepathy.freedesktop.org/wiki/FrontPage* |
| *telepathy-sofiasip* | 0.5.15 | 0.5.18.1 | *http://sourceforge.net/projects/tp-sofiasip* |
| *telepathy-stream-engine* | 0.5.8 | 0.5.11 | *http://telepathy.freedesktop.org/wiki/FrontPage* |
| *tucnak2* | 2.25 | 2.27 | *http://tucnak.nagano.cz/wiki/Main_Page* |
| *unshield* | 0.5.1 | 0.6 | *http://synce.sourceforge.net/* |
| *vifir* | new | 0.4 | *http://vifir.sourceforge.net/* |
| *wammu* | 0.29 | 0.30.1 | *http://wammu.eu/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *weechat* | 0.2.6.1 | 0.3.0 | *http://weechat.org* |
| *whatsup* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *whatsup-pingd* | 1.8 | 1.9 | *https://computing.llnl.gov/linux/whatsup.html* |
| *xgnokii* | 0.6.27 | 0.6.28 | *http://www.gnokii.org/* |
| *xgridloc* | new | 0.9 | *http://5b4az.chronos.org.uk/pages/locator.html* |
| *xlog* | 2.0.1 | 2.0.3 | *http://pg4i.chronos.org.uk/linux/xlog.html* |

Table 7. All Applications-Communications changes

| | |
|---|---|
| Packages changed | 69 |
| Packages unchanged | 86 |
| Total packages | 155 |

### 8.2.4. Applications-Databases

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *couchdb* | 0.8.1 | 0.10.0 | *http://couchdb.apache.org/* |
| *firebird* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *firebird-classic* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *firebird-devel* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *firebird-doc* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *firebird-filesystem* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *firebird-superserver* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *flamerobin* | new | 0.9.2 | *http://www.flamerobin.org/* |
| *glom* | 1.10.0 | 1.12.2 | *http://www.glom.org/* |
| *mingw32-sqlite* | 3.6.6.2 | 3.6.17 | *http://www.sqlite.org/* |
| *mysql* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-administrator* | 5.0r12 | 5.0r14 | *http://www.mysql.com/products/tools/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *administrator/index.html* |
| *mysql-bench* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-cluster* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-devel* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-embedded* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-embedded-devel* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-gui-tools* | 5.0r12 | 5.0r14 | *http://www.mysql.com/products/tools/administrator/index.html* |
| *mysql-libs* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-proxy* | 0.6.1 | 0.7.2 | *http://forge.mysql.com/wiki/MySQL_Proxy* |
| *mysql-query-browser* | 5.0r12 | 5.0r14 | *http://www.mysql.com/products/tools/administrator/index.html* |
| *mysql-server* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysql-test* | 5.1.32 | 5.1.39 | *http://www.mysql.com* |
| *mysqludf_xql* | new | 0.9.7 | *http://www.mysqludf.org/lib_mysqludf_xql/* |
| *pgadmin3* | new | 1.10.0 | *http://www.pgadmin.org/* |
| *postgis* | 1.3.5 | 1.3.6 | *http://postgis.refractions.net/* |
| *postgis-docs* | new | 1.3.6 | *http://postgis.refractions.net/* |
| *postgis-jdbc* | 1.3.5 | 1.3.6 | *http://postgis.refractions.net/* |
| *postgis-utils* | 1.3.5 | 1.3.6 | *http://postgis.refractions.net/* |
| *postgresql* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-contrib* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-docs* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-jdbc* | 8.3.603 | 8.4.701 | *http://jdbc.postgresql.org/* |
| *postgresql-libs* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *postgresql-odbc* | 08.03.0200 | 08.04.0100 | *http://psqlodbc.projects.postgresql.org/* |
| *postgresql-pgpool-II* | 2.2 | 2.2.5 | *http://pgpool.projects.PostgreSQL.org* |
| *postgresql-plperl* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-plpython* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-pltcl* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-python* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-server* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-tcl* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-test* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql_autodoc* | 1.31 | 1.40 | *http://www.rbt.ca/autodoc/* |
| *python-psycopg2* | 2.0.9 | 2.0.13 | *http://www.initd.org/software/initd/psycopg* |
| *rhdb-utils* | 8.3.0 | 8.4.0 | *http://sources.redhat.com/rhdb/* |
| *rrdtool* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *sepostgresql* | 8.3.7 | 8.4.1 | *http://code.google.com/p/sepgsql/* |
| *sqlite* | 3.6.12 | 3.6.17 | *http://www.sqlite.org/* |
| *tokyotyrant* | new | 1.1.34 | *http://1978th.net/tokyotyrant/* |
| *virtuoso-opensource* | new | 5.0.12 | *http://virtuoso.sourceforge.net/* |
| *virtuoso-opensource-apps* | new | 5.0.12 | *http://virtuoso.sourceforge.net/* |
| *virtuoso-opensource-conductor* | new | 5.0.12 | *http://virtuoso.sourceforge.net/* |
| *virtuoso-opensource-utils* | new | 5.0.12 | *http://virtuoso.sourceforge.net/* |
| *xapian-core* | 1.0.11 | 1.0.16 | *http://www.xapian.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xbase-utils* | 2.0.0 | 3.1.2 | *http://linux.techass.com/projects/xdb/* |

Table 8. All Applications-Databases changes

| | |
|---|---|
| Packages changed | 56 |
| Packages unchanged | 25 |
| Total packages | 81 |

### 8.2.5. Applications-Editors

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *TeXmacs* | 1.0.7.1 | 1.0.7.2 | *http://www.texmacs.org* |
| *abiword* | 2.6.8 | 2.8.1 | *http://www.abisource.com/* |
| *avogadro* | 0.9.3 | 1.0.0 | *http://avogadro.openmolecules.net/* |
| *beacon* | new | 0.5 | *http://fedoraproject.org/wiki/DocBook_Editor* |
| *chemtool* | 1.6.11 | 1.6.12 | *http://ruby.chemie.uni-freiburg.de/~martin/chemtool/chemtool.html* |
| *ddskk* | 12.2.0 | 13.1 | *http://openlab.ring.gr.jp/skk/main.html* |
| *efte* | new | 1.1 | *http://efte.cowgar.com* |
| *emacs* | 22.3 | 23.1 | *http://www.gnu.org/software/emacs/* |
| *emacs-common* | 22.3 | 23.1 | *http://www.gnu.org/software/emacs/* |
| *emacs-common-ebib* | 1.7.2 | 1.8.0 | *http://ebib.sourceforge.net/* |
| *emacs-common-proofgeneral* | new | 3.7.1 | *http://proofgeneral.inf.ed.ac.uk/* |
| *emacs-ebib* | 1.7.2 | 1.8.0 | *http://ebib.sourceforge.net/* |
| *emacs-ebib-el* | 1.7.2 | 1.8.0 | *http://ebib.sourceforge.net/* |
| *emacs-el* | 22.3 | 23.1 | *http://www.gnu.org/software/emacs/* |
| *emacs-git* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *emacs-mercurial* | 1.2.1 | 1.3.1 | *http://www.selenic.com/mercurial/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *emacs-mercurial-el* | 1.2.1 | 1.3.1 | *http://www.selenic.com/mercurial/* |
| *emacs-nox* | 22.3 | 23.1 | *http://www.gnu.org/software/emacs/* |
| *emacs-nxml-mode* | 0.20041004 | dropped | *http://www.thaiopensource.com/nxml-mode/* |
| *emacs-proofgeneral* | new | 3.7.1 | *http://proofgeneral.inf.ed.ac.uk/* |
| *emacs-proofgeneral-el* | new | 3.7.1 | *http://proofgeneral.inf.ed.ac.uk/* |
| *emacs-sdcc* | 2.8.0 | 2.9.0 | *http://sdcc.sourceforge.net/* |
| *emacs-vala* | 0.5.7 | 0.7.5 | *http://live.gnome.org/Vala* |
| *flpsed* | 0.5.0 | 0.5.2 | *http://www.ecademix.com/JohannesHofmann/flpsed.html* |
| *frescobaldi* | 0.7.8 | 0.7.14 | *http://www.frescobaldi.org/* |
| *gedit* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/gedit/* |
| *gedit-latex-plugin* | 0.1.3.2 | 0.2 | *http://live.gnome.org/Gedit/LaTeXPlugin* |
| *gedit-vala* | 0.4.1 | 0.5.0 | *http://code.google.com/p/vtg/* |
| *kobby* | new | 1.0 | *http://greghaynes.github.com/kobby/* |
| *leafpad* | 0.8.13 | 0.8.17 | *http://tarot.freeshell.org/leafpad/* |
| *nano* | 2.0.6 | 2.0.9 | *http://www.nano-editor.org* |
| *nefte* | new | 1.1 | *http://efte.cowgar.com* |
| *peppy* | new | 0.11.25 | *http://peppy.flipturn.org* |
| *ruby-mode* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *vim-X11* | 7.2.148 | 7.2.245 | *http://www.vim.org/* |
| *vim-common* | 7.2.148 | 7.2.245 | *http://www.vim.org/* |
| *vim-enhanced* | 7.2.148 | 7.2.245 | *http://www.vim.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *vim-minimal* | 7.2.148 | 7.2.245 | *http://www.vim.org/* |
| *vim-perl-support* | 4.1 | 4.4 | *http://www.vim.org/scripts/script.php?script_id=556* |
| *xemacs* | 21.5.28 | 21.5.29 | *http://www.xemacs.org/* |
| *xemacs-aplus-fsf-el* | new | 4.22.4 | *http://www.aplusdev.org* |
| *xemacs-common* | 21.5.28 | 21.5.29 | *http://www.xemacs.org/* |
| *xemacs-ebib* | 1.7.2 | 1.8.0 | *http://ebib.sourceforge.net/* |
| *xemacs-ebib-el* | 1.7.2 | 1.8.0 | *http://ebib.sourceforge.net/* |
| *xemacs-nox* | 21.5.28 | 21.5.29 | *http://www.xemacs.org/* |
| *xemacs-proofgeneral* | new | 3.7.1 | *http://proofgeneral.inf.ed.ac.uk/* |
| *xemacs-proofgeneral-el* | new | 3.7.1 | *http://proofgeneral.inf.ed.ac.uk/* |
| *xmlcopyeditor* | 1.1.0.6 | 1.2.0.2 | *http://xml-copy-editor.sourceforge.net/* |
| *xournal* | 0.4.2.1 | 0.4.5 | *http://xournal.sourceforge.net/* |
| *zile* | 2.3.6 | 2.3.9 | *http://www.gnu.org/software/zile/* |

Table 9. All Applications-Editors changes

| | |
|---|---|
| Packages changed | 50 |
| Packages unchanged | 67 |
| Total packages | 117 |

### 8.2.6. Applications-Emulators

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *atari++* | 1.55 | 1.57 | *http://www.xl-project.com/* |
| *cbios* | 0.21 | 0.23 | *http://cbios.sourceforge.net/* |
| *cbios-openmsx* | 0.21 | 0.23 | *http://cbios.sourceforge.net/* |
| *dosbox* | 0.72 | 0.73 | *http://dosbox.sf.net* |
| *fbzx* | new | 2.1b | *http://www.rastersoft.com/fbzx.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *fuse-emulator* | 0.10.0.1 | 0.10.0.2 | *http://fuse-emulator.sourceforge.net* |
| *hatari* | 1.2.0 | 1.3.1 | *http://hatari.berlios.de/* |
| *ltsp-vmclient* | 5.1.72 | 5.1.91 | *http://www.ltsp.org* |
| *openbios-sparc* | new | 1.0 | *http://www.openfirmware.info/OpenBIOS* |
| *openbios-sparc64* | new | 1.0 | *http://www.openfirmware.info/OpenBIOS* |
| *openmsx* | 0.6.3 | 0.7.2 | *http://openmsx.sourceforge.net* |
| *scummvm* | 0.13.0 | 0.13.1 | *http://scummvm.sourceforge.net/* |
| *vgabios* | 0.6 | 0.6b | *http://www.nongnu.org/vgabios/* |
| *virt-manager* | 0.7.0 | 0.8.0 | *http://virt-manager.org/* |
| *wine* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-common* | new | 1.1.29 | *http://www.winehq.org/* |
| *wine-core* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-desktop* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-fonts* | new | 1.1.29 | *http://www.winehq.org/* |
| *xenner* | 0.46 | 0.47 | *http://kraxel.fedorapeople.org/xenner/* |

Table 10. All Applications-Emulators changes

| | |
|---|---|
| Packages changed | 20 |
| Packages unchanged | 16 |
| Total packages | 36 |

### 8.2.7. Applications-Engineering

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GMT* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *GMT-coastlines* | 1.10 | 2.0.1 | *http://gmt.soest.hawaii.edu/* |
| *GMT-coastlines-all* | 1.10 | 2.0.1 | *http://gmt.soest.hawaii.edu/* |
| *GMT-coastlines-full* | 1.10 | 2.0.1 | *http://gmt.soest.hawaii.edu/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GMT-coastlines-high* | 1.10 | 2.0.1 | *http://gmt.soest.hawaii.edu/* |
| *GMT-common* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *Mayavi* | new | 3.2.0 | *http://pypi.python.org/pypi/Mayavi/* |
| *QtDMM* | new | 0.8.12 | *http://www.mtoussaint.de/qtdmm.html* |
| *R* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *R-AnnotationDbi* | new | 1.6.1 | *http://bioconductor.org/packages/2.4/bioc/html/AnnotationDbi.html* |
| *R-BSgenome* | new | 1.12.3 | *http://bioconductor.org/packages/2.4/bioc/html/BSgenome.html* |
| *R-BSgenome.Celegans.UCSC.ce2* | 1.2.0 | 1.3.13 | *http://www.bioconductor.org/packages/2.4/data/annotation/html/BSgenome.Celegans.UCSC.ce2.html* |
| *R-Biobase* | 2.2.2 | 2.4.1 | *http://bioconductor.org/packages/2.4/bioc/html/Biobase.html* |
| *R-Biostrings* | new | 2.12.9 | *http://bioconductor.org/packages/2.4/bioc/html/Biostrings.html* |
| *R-BufferedMatrix* | 1.6.0 | 1.8.0 | *http://bioconductor.org/packages/release/bioc/html/BufferedMatrix.html* |
| *R-GeneR* | 2.13.1 | 2.14.0 | *http://www.bioconductor.org/packages/2.4/bioc/html/GeneR.html* |
| *R-IRanges* | 1.1.55 | 1.2.3 | *http://bioconductor.org/packages/2.4/bioc/html/IRanges.html* |
| *R-RM2* | new | 0.0 | *http://cran.r-project.org/web/packages/RM2/* |
| *R-RUnit* | 0.4.21 | 0.4.22 | *http://cran.r-project.org/web/packages/RUnit/index.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *R-affy* | new | 1.22.1 | *http://bioconductor.org/packages/2.4/bioc/html/affy.html* |
| *R-affyio* | 1.10.1 | 1.12.0 | *http://bioconductor.org/packages/2.4/bioc/html/affyio.html* |
| *R-core* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *R-devel* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *R-hgu95av2probe* | 2.0.0 | 2.4.0 | *http://www.bioconductor.org/packages/2.1/data/annotation/html/hgu95av2probe.html* |
| *R-java* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *R-java-devel* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *R-mAr* | 1.1 | 1.1.1 | *http://cran.r-project.org/contrib* |
| *R-msm* | new | 0.9.1 | *http://cran.r-project.org/web/packages/msm/* |
| *R-multcomp* | 1.0 | 1.1 | *http://cran.r-project.org/web/packages/multcomp/index.html* |
| *R-preprocessCore* | new | 1.6.0 | *http://bioconductor.org/packages/2.4/bioc/html/preprocessCore.html* |
| *R-qtl* | 1.10 | 1.14.2 | *http://www.rqtl.org/* |
| *R-qvalue* | 1.16.0 | 1.18.0 | *http://bioconductor.org/packages/2.4/bioc/html/qvalue.html* |
| *R-systemfit* | 1.0 | 1.1 | *http://r-forge.r-project.org/projects/systemfit/* |
| *R-wavethresh* | 2.2 | 2.2.11 | *http://cran.r-project.org/contrib/main/Descriptions/wavethresh.html* |
| *alt-ergo* | 0.8 | 0.9 | *http://alt-ergo.lri.fr* |
| *apbs* | new | 1.1.0 | *http://apbs.sourceforge.net/* |
| *apbs-doc* | new | 1.1.0 | *http://apbs.sourceforge.net/* |
| *apbs-tools* | new | 1.1.0 | *http://apbs.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *avrdude* | 5.5 | 5.8 | *http://www.nongnu.org/avrdude* |
| *bc* | 1.06 | 1.06.95 | *http://www.gnu.org/software/bc/* |
| *boinc-client* | 6.4.7 | 6.6.37 | *http://boinc.berkeley.edu/* |
| *boinc-manager* | 6.4.7 | 6.6.37 | *http://boinc.berkeley.edu/* |
| *coq* | 8.1pl4 | 8.2pl1 | *http://coq.inria.fr/* |
| *coq-coqide* | 8.1pl4 | 8.2pl1 | *http://coq.inria.fr/* |
| *coq-doc* | 8.1pl4 | 8.2pl1 | *http://coq.inria.fr/* |
| *coq-emacs* | 8.1pl4 | 8.2pl1 | *http://coq.inria.fr/* |
| *dinotrace* | new | 9.4a | *http://www.veripool.org/wiki/dinotrace* |
| *eclib* | new | 20080310 | *http://www.warwick.ac.uk/~masgaj/* |
| *eclipse-texlipse* | new | 1.3.0 | *http://texlipse.sourceforge.net* |
| *eclipse-veditor* | new | 0.6.3 | *http://veditor.sourceforge.net/* |
| *electric* | 8.08 | 8.09 | *http://www.staticfreesoft.com/* |
| *elfelli* | new | 0.3.1 | *http://home.gna.org/elfelli/* |
| *emacs-gnuplot* | 4.2.4 | 4.2.6 | *http://www.gnuplot.info/* |
| *emacs-gnuplot-el* | 4.2.4 | 4.2.6 | *http://www.gnuplot.info/* |
| *eqntott* | new | 9.0 | *http://code.google.com/p/eqntott* |
| *espresso-ab* | new | 1.0 | *http://code.google.com/p/eqntott* |
| *extrema-doc* | new | 4.3.6 | *http://exsitewebware.com/extrema/* |
| *fet* | 5.7.7 | 5.10.3 | *http://lalescu.ro/liviu/fet* |
| *fityk* | 0.8.1 | 0.8.8 | *http://fityk.sourceforge.net/* |
| *freefem++* | 3.0 | 3.5 | *http://www.freefem.org/ff++/index.htm* |
| *freefem++-glx* | 3.0 | 3.5 | *http://www.freefem.org/ff++/index.htm* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *freefem++-mpi* | 3.0 | 3.5 | *http://www.freefem.org/ff++/index.htm* |
| *freehdl* | 0.0.6 | 0.0.7 | *http://www.freehdl.seul.org/* |
| *gabedit* | 2.1.17 | 2.2.4 | *http://gabedit.sourceforge.net/home.html* |
| *gausssum* | new | 2.1.6 | *http://gausssum.sourceforge.net/* |
| *gdpc* | new | 2.2.5 | *http://www.frantz.fi/software/gdpc.php* |
| *geda-gschem* | 20081231 | 1.6.0 | *http://www.geda.seul.org* |
| *geda-gsymcheck* | 20081231 | 1.6.0 | *http://www.geda.seul.org* |
| *geda-utils* | 20081231 | 1.6.0 | *http://www.geda.seul.org* |
| *genius* | 1.0.3 | 1.0.7 | *http://www.jirka.org/genius.html* |
| *genius-devel* | 1.0.3 | 1.0.7 | *http://www.jirka.org/genius.html* |
| *geos* | 3.0.3 | 3.1.1 | *http://trac.osgeo.org/geos/* |
| *gerbv* | 2.2.0 | 2.3.0 | *http://gerbv.gpleda.org/index.html* |
| *gmp-ecm* | 6.2.1 | 6.2.3 | *http://gforge.inria.fr/projects/ecm/* |
| *gnome-chemistry-utils* | 0.10.4 | 0.10.8 | *http://www.nongnu.org/gchemutils/* |
| *gnome-genius* | 1.0.3 | 1.0.7 | *http://www.jirka.org/genius.html* |
| *gnuplot* | 4.2.4 | 4.2.6 | *http://www.gnuplot.info/* |
| *gnuplot-common* | 4.2.4 | 4.2.6 | *http://www.gnuplot.info/* |
| *gnuplot-doc* | 4.2.4 | 4.2.6 | *http://www.gnuplot.info/* |
| *gnuplot-latex* | new | 4.2.6 | *http://www.gnuplot.info/* |
| *gnuplot-minimal* | 4.2.4 | 4.2.6 | *http://www.gnuplot.info/* |
| *gnuradio* | 3.1.3 | 3.2.2 | *http://www.gnuradio.org* |
| *gnuradio-devel* | 3.1.3 | 3.2.2 | *http://www.gnuradio.org* |
| *gnuradio-doc* | 3.1.3 | 3.2.2 | *http://www.gnuradio.org* |
| *gnuradio-examples* | 3.1.3 | 3.2.2 | *http://www.gnuradio.org* |
| *gnusim8085* | new | 1.3.5 | *http://gnusim8085.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gonvert* | 0.2.19 | 0.2.20 | *http://unihedron.com/projects/gonvert* |
| *gtkwave* | 3.2.1 | 3.2.3 | *http://gtkwave.sourceforge.net/* |
| *healpy* | new | 0.9.6.1 | *http://code.google.com/p/healpy/* |
| *kicad* | 2007.07.09 | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kst* | 1.7.0 | 1.8.0 | *http://kst.kde.org/* |
| *kst-devel* | 1.7.0 | 1.8.0 | *http://kst.kde.org/* |
| *kst-docs* | 1.7.0 | 1.8.0 | *http://kst.kde.org/* |
| *kst-fits* | 1.7.0 | 1.8.0 | *http://kst.kde.org/* |
| *kst-getdata* | new | 1.8.0 | *http://kst.kde.org/* |
| *kst-netcdf* | 1.7.0 | 1.8.0 | *http://kst.kde.org/* |
| *linsmith* | 0.99.11 | 0.99.12 | *http://jcoppens.com/soft/linsmith/index.en.php* |
| *magic* | 7.5.169 | 8.0.54 | *http://opencircuitdesign.com/magic/index.html* |
| *maloc* | new | 0.2 | *http://www.fetk.org* |
| *mapnik* | 0.5.2 | 0.6.1 | *http://mapnik.org/* |
| *maxima* | 5.17.1 | 5.19.2 | *http://maxima.sourceforge.net/* |
| *maxima-gui* | 5.17.1 | 5.19.2 | *http://maxima.sourceforge.net/* |
| *maxima-runtime-clisp* | 5.17.1 | 5.19.2 | *http://maxima.sourceforge.net/* |
| *maxima-runtime-cmucl* | 5.17.1 | 5.19.2 | *http://maxima.sourceforge.net/* |
| *maxima-runtime-sbcl* | 5.17.1 | 5.19.2 | *http://maxima.sourceforge.net/* |
| *maxima-src* | 5.17.1 | 5.19.2 | *http://maxima.sourceforge.net/* |
| *mcu8051ide* | new | 1.1 | *http://mcu8051ide.sourceforge.net* |
| *mrpt-apps* | 0.6.5 | 0.7.1 | *http://babel.isa.uma.es/mrpt/* |
| *ncl* | 5.1.0 | 5.1.1 | *http://www.ncl.ucar.edu* |
| *ncl-common* | 5.1.0 | 5.1.1 | *http://www.ncl.ucar.edu* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *nco* | 3.9.7 | 3.9.8 | *http://nco.sourceforge.net/* |
| *netcdf* | 4.0.0 | 4.0.1 | *http://my.unidata.ucar.edu/content/software/netcdf/index.html* |
| *ngspice* | 18 | 19 | *http://ngspice.sourceforge.net/* |
| *octave* | 3.0.5 | 3.2.3 | *http://www.octave.org* |
| *octave-forge* | 20080831 | 20090607 | *http://octave.sourceforge.net* |
| *openscada* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-ARH-DBArch* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-ARH-FSArch* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-BlockCalc* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-DCON* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-Gate* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-JavaLikeCalc* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-LogicLevel* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-ModBus* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-SNMP* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-Siemens* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-Soundcard* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DAQ-System* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DB-DBF* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DB-MySQL* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-DB-SQLite* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Protocol-HTTP* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Protocol-SelfSystem* | new | 0.6.4 | *http://oscada.org.ua* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openscada-Special-FlibComplex1* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Special-FlibMath* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Special-FlibSys* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Special-SystemTests* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Transport-SSL* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Transport-Serial* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-Transport-Sockets* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-UI-QTCfg* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-UI-QTStarter* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-UI-WebCfg* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-UI-WebCfgd* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-UI-WebVision* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscada-demo* | new | 0.6.4 | *http://oscada.org.ua* |
| *orpie* | 1.5.1 | dropped | *http://www.eecs.umich.edu/~pelzlpj/orpie/* |
| *orsa-lam* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *orsa-mpich2* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *orsa-openmpi* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *paraview* | 3.4.0 | 3.6.1 | *http://www.paraview.org/* |
| *paraview-data* | 3.4.0 | 3.6.1 | *http://www.paraview.org/* |
| *paraview-devel* | 3.4.0 | 3.6.1 | *http://www.paraview.org/* |
| *paraview-doc* | 3.4.0 | 3.6.1 | *http://www.paraview.org/* |
| *paraview-mpi* | 3.4.0 | 3.6.1 | *http://www.paraview.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pdfposter* | new | 0.5.0 | *http://pdfposter.origo.ethz.ch/* |
| *perl-Verilog* | 3.121 | 3.212 | *http://www.veripool.org/wiki/verilog-perl* |
| *picviz* | 0.5 | 0.6 | *http://www.wallinfire.net/picviz* |
| *picviz-gui* | 0.5 | 0.6 | *http://www.wallinfire.net/picviz* |
| *picviz-plugin-pngcairo* | 0.5 | 0.6 | *http://www.wallinfire.net/picviz* |
| *plplot* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *polyxmass-bin* | 0.9.7 | 0.9.8 | *http://packages.debian.org/stable/science/polyxmass-bin* |
| *pspp* | 0.6.1 | 0.6.2 | *http://www.gnu.org/software/pspp/* |
| *pygrace* | 0.3 | 0.4 | *http://www.its.caltech.edu/~mmckerns/software.html* |
| *python-altgraph* | new | 0.6.7 | *http://undefined.org/python/#altgraph* |
| *python-upoints* | new | 0.11.0 | *http://www.jnrowe.ukfsn.org/projects/upoints.html* |
| *qelectrotech* | new | 0.20 | *http://qelectrotech.org/* |
| *qgis* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qgis-grass* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qgis-python* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qgis-theme-classic* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qgis-theme-gis* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qgis-theme-nkids* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qucs* | 0.0.14 | 0.0.15 | *http://qucs.sourceforge.net/* |
| *roundup* | 1.4.6 | 1.4.10 | *http://roundup.sourceforge.net/* |
| *samtools* | new | 0.1.5c | *http://samtools.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *scidavis* | 0.2.1 | 0.2.3 | *http://scidavis.sourceforge.net/* |
| *scitools* | 0.4 | 0.6 | *http://code.google.com/p/scitools/* |
| *scitools-extras* | 0.4 | 0.6 | *http://code.google.com/p/scitools/* |
| *sdcc* | 2.8.0 | 2.9.0 | *http://sdcc.sourceforge.net/* |
| *sdcc-libc-sources* | 2.8.0 | 2.9.0 | *http://sdcc.sourceforge.net/* |
| *tachyon* | 0.98.1 | 0.98.7 | *http://jedi.ks.uiuc.edu/~johns/raytracer/* |
| *tachyon-gl* | 0.98.1 | 0.98.7 | *http://jedi.ks.uiuc.edu/~johns/raytracer/* |
| *tachyon-lam* | 0.98.1 | 0.98.7 | *http://jedi.ks.uiuc.edu/~johns/raytracer/* |
| *tachyon-lam-gl* | 0.98.1 | 0.98.7 | *http://jedi.ks.uiuc.edu/~johns/raytracer/* |
| *tclspice* | new | 19 | *http://ngspice.sourceforge.net/* |
| *toped* | 0.9.2 | 0.9.5 | *http://www.toped.org.uk* |
| *towhee* | new | 6.2.6 | *http://towhee.sourceforge.net/* |
| *towhee-common* | new | 6.2.6 | *http://towhee.sourceforge.net/* |
| *towhee-doc* | new | 6.2.6 | *http://towhee.sourceforge.net/* |
| *towhee-examples* | new | 6.2.6 | *http://towhee.sourceforge.net/* |
| *towhee-mpi* | new | 6.2.6 | *http://towhee.sourceforge.net/* |
| *ugene* | new | 1.5.1 | *http://ugene.unipro.ru* |
| *usrp* | 3.1.3 | 3.2.2 | *http://www.gnuradio.org* |
| *usrp-devel* | 3.1.3 | 3.2.2 | *http://www.gnuradio.org* |
| *verilator* | new | 3.712 | *http://www.veripool.com/verilator.html* |
| *vtk-examples* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *vtk-testing* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *wannier90* | new | 1.1 | *http://wannier.org/* |
| *wgrib* | 1.8.0.12u | 1.8.0.13d | *http://www.cpc.ncep.noaa.gov/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *products/wesley/wgrib.html* |
| *wgrib2* | 1.7.8g | 1.8.1 | *http://www.cpc.ncep.noaa.gov/products/wesley/wgrib2/* |
| *wxMaxima* | 0.7.6 | 0.8.3a | *http://wxmaxima.sourceforge.net/* |
| *xcircuit* | 3.4.30 | 3.6.161 | *http://opencircuitdesign.com/xcircuit* |
| *xdrfile* | new | 1.1 | *http://oldwiki.gromacs.org/index.php/XTC_Library* |
| *xgridedit* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *xpa* | 2.1.8 | 2.1.10 | *http://hea-www.harvard.edu/RD/xpa/* |

Table 11. All Applications-Engineering changes

| | |
|---|---|
| Packages changed | 207 |
| Packages unchanged | 188 |
| Total packages | 395 |

### 8.2.8. Applications-File

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *MiniCopier* | new | 0.4 | *http://a.courreges.free.fr/projets/minicopier/minicopier-en.php* |
| *asunder* | 1.6.2 | 1.9 | *http://littlesvr.ca/asunder* |
| *cksfv* | 1.3.13 | 1.3.14 | *http://zakalwe.fi/~shd/foss/cksfv* |
| *clamav* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-data* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-data-empty* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-filesystem* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-update* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *emelfm2* | 0.5.1 | 0.6.2 | *http://emelfm2.net/* |
| *findutils* | 4.4.0 | 4.4.2 | *http://www.gnu.org/software/findutils/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *fslint* | 2.28 | 2.40 | *http://www.pixelbeat.org/fslint/* |
| *gifsicle* | 1.52 | 1.55 | *http://www.lcdf.org/gifsicle/* |
| *gifview* | 1.52 | 1.55 | *http://www.lcdf.org/gifsicle/* |
| *glusterfs-client* | 2.0.0 | 2.0.6 | *http://www.gluster.org/* |
| *gnome-commander* | 1.2.8 | 1.3 | *http://www.nongnu.org/gcmd/* |
| *gnome-do* | 0.8.1.3 | 0.8.2 | *http://do.davebsd.com/* |
| *gnomecatalog* | 0.3.4 | 0.3.4.2 | *http://gnomecatalog.sourceforge.net/* |
| *lzip* | 1.4 | 1.7 | *http://www.nongnu.org/lzip/lzip.html* |
| *mbuffer* | 20080507 | 20090628 | *http://www.maier-komor.de/mbuffer.html* |
| *md5deep* | 3.1 | 3.4 | *http://md5deep.sf.net/* |
| *ncdu* | 1.4 | 1.5 | *http://dev.yorhel.nl/ncdu/* |
| *nfoview* | new | 1.8 | *http://home.gna.org/nfoview/* |
| *openbabel* | 2.2.1 | 2.2.3 | *http://openbabel.org/* |
| *tesseract* | 2.03 | 2.04 | *http://code.google.com/p/tesseract-ocr/* |
| *tuxcmd* | 0.6.62 | 0.6.69 | *http://tuxcmd.sourceforge.net/* |
| *tuxcmd-gvfs* | 0.6.62 | 0.6.69 | *http://tuxcmd.sourceforge.net/* |
| *tuxcmd-modules* | 0.6.62 | 0.6.69 | *http://tuxcmd.sourceforge.net/* |
| *xz* | new | 4.999.9 | *http://tukaani.org/xz/* |

Table 12. All Applications-File changes

| | |
|---|---|
| Packages changed | 28 |
| Packages unchanged | 64 |
| Total packages | 92 |

### 8.2.9. Applications-Internet

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *NetworkManager-gnome* | 0.7.1 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *WebShell* | new | 0.9.6 | *http://www-personal.umich.edu/~mressl/webshell/index.html* |
| *anyterm* | new | 1.1.29 | *http://anyterm.org* |
| *anyterm-httpd* | new | 1.1.29 | *http://anyterm.org* |
| *apcupsd-cgi* | 3.14.5 | 3.14.7 | *http://www.apcupsd.com* |
| *aria2* | 1.3.1 | 1.6.3 | *http://aria2.sourceforge.net/* |
| *arora* | 0.6 | 0.10.1 | *http://code.google.com/p/arora/* |
| *arora-gnome* | new | 0.10.1 | *http://code.google.com/p/arora/* |
| *asterisk* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-ais* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-alsa* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-curl* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-dahdi* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-fax* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-festival* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-firmware* | 1.6.1 | dropped | *http://www.asterisk.org/* |
| *asterisk-ices* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-jabber* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-jack* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-ldap* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-ldap-fds* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-lua* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-minivm* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-misdn* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-mobile* | 1.6.1 | dropped | *http://www.asterisk.org/* |
| *asterisk-odbc* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-oss* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-portaudio* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-postgresql* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-radius* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *asterisk-skinny* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-snmp* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-alaw* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-g722* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-g729* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-gsm* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-siren14* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-siren7* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-sln16* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-ulaw* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-en-wav* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-alaw* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-g722* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-g729* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-gsm* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-siren14* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-siren7* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-sln16* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-ulaw* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-es-wav* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *asterisk-sounds-core-fr-alaw* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-g722* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-g729* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-gsm* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-siren14* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-siren7* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-sln16* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-ulaw* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sounds-core-fr-wav* | 1.4.15 | 1.4.16 | *http://www.asterisk.org/* |
| *asterisk-sqlite* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-tds* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-unistim* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-usbradio* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-voicemail* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-voicemail-imap* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-voicemail-odbc* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *asterisk-voicemail-plain* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *axel* | new | 2.4 | *http://axel.alioth.debian.org/* |
| *azureus* | 4.0.0.4 | 4.2.0.8 | *http://azureus.sourceforge.net* |
| *balsa* | 2.3.28 | 2.4.1 | *http://pawsa.fedorapeople.org/balsa/* |
| *bareftp* | new | 0.2.3 | *http://www.bareftp.org/* |
| *beldi* | 0.9.24 | 0.9.25 | *http://belug.de/~beldi/* |
| *bip* | 0.8.0 | 0.8.2 | *http://bip.t1r.net* |
| *bodhi-client* | 0.5.19 | 0.6.1 | *https://fedorahosted.org/bodhi* |
| *bodhi-server* | 0.5.19 | 0.6.1 | *https://fedorahosted.org/bodhi* |
| *bogofilter* | 1.1.7 | 1.2.0 | *http://bogofilter.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *bogofilter-bogoupgrade* | 1.1.7 | 1.2.0 | *http://bogofilter.sourceforge.net/* |
| *bti* | 015 | 023 | *http://www.kernel.org/pub/linux/kernel/people/gregkh/bti* |
| *callweaver* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-alsa* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-bluetooth* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-capi* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-devel* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-jabber* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-javascript* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-ldap* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-misdn* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-mysql* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-ogi* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-postgresql* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *callweaver-zaptel* | 1.2.0.1 | 1.2.1 | *http://www.callweaver.org/* |
| *canto* | new | 0.7.4 | *http://codezen.org/canto/* |
| *centerim* | 4.22.6 | 4.22.8 | *http://www.centerim.org/* |
| *cherokee* | 0.99.0 | 0.99.24 | *http://www.cherokee-project.com/* |
| *choqok* | 0.5 | 0.6.6 | *http://choqok.gnufolks.org/* |
| *claws-mail* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-acpi-notifier* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *claws-mail-plugins-archive* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-att-remover* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-attachwarner* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-bogofilter* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-cachesaver* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-dillo* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-fancy* | new | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-fetchinfo* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-gtkhtml2-viewer* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-mailmbox* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-newmail* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-notification* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-perl* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-pgp* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-rssyl* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-smime* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-spam-report* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-spamassassin* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-synce* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-tnef* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *claws-mail-plugins-vcalendar* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *climm* | 0.6.4 | 0.7 | *http://www.climm.org/* |
| *comgt* | 0.32 | dropped | *http://sourceforge.net/projects/comgt* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *cone* | 0.75 | 0.78 | *http://www.courier-mta.org/cone/* |
| *conspy* | 1.5 | 1.7 | *http://ace-host.stuart.id.au/russell/files/conspy/* |
| *curl* | 7.19.4 | 7.19.6 | *http://curl.haxx.se/* |
| *daemonize* | new | 1.5.6 | *http://www.clapper.org/software/daemonize/* |
| *debmirror* | 20070123 | 20090807 | *http://packages.qa.debian.org/d/debmirror.html* |
| *deluge* | 1.1.6 | 1.1.9 | *http://deluge-torrent.org/* |
| *deluge-flags* | new | 1.1.9 | *http://deluge-torrent.org/* |
| *deskbar-applet* | 2.26.0 | 2.27.90 | *http://live.gnome.org/DeskbarApplet* |
| *emesene* | 1.0.1 | 1.5.1 | *http://emesene.org* |
| *epiphany* | 2.26.1 | 2.28.1 | *http://www.gnome.org/projects/epiphany/* |
| *epiphany-extensions* | 2.26.1 | 2.28.1 | *http://www.gnome.org/projects/epiphany/extensions* |
| *esc* | 1.0.1 | 1.1.0 | *http://directory.fedora.redhat.com/wiki/CoolKey* |
| *evolution-rspam* | 0.0.8 | 0.0.10 | *http://gnome.eu.org/evo/index.php/Report_as_Spam* |
| *evolution-rss* | 0.1.2 | 0.1.4 | *http://gnome.eu.org/evo/index.php/Evolution_RSS_Reader_Plugin* |
| *fetchmail* | 6.3.9 | 6.3.11 | *http://fetchmail.berlios.de/* |
| *filezilla* | 3.2.4.1 | 3.2.8.1 | *http://filezilla-project.org/* |
| *finch* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *finch-devel* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *firefox* | 3.5 | 3.5.4 | *http://www.mozilla.org/projects/firefox/* |
| *fpaste* | new | 0.3.4 | *https://fedorahosted.org/fpaste/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gajim* | 0.12.1 | 0.12.5 | *http://gajim.org/* |
| *getmail* | 4.9.0 | 4.11.0 | *http://pyropus.ca/software/getmail/* |
| *gget-epiphany-extension* | 0.0.4 | dropped | *http://live.gnome.org/GGet* |
| *globus-gass-copy-progs* | new | 4.14 | *http://www.globus.org/* |
| *globus-gsi-cert-utils-progs* | new | 5.5 | *http://www.globus.org/* |
| *globus-gss-assist-progs* | new | 4.0 | *http://www.globus.org/* |
| *globus-openssl-progs* | new | 3.0 | *http://www.globus.org/* |
| *globus-proxy-utils* | new | 2.5 | *http://www.globus.org/* |
| *globus-rls-client-progs* | new | 5.1 | *http://www.globus.org/* |
| *globus-rls-server* | new | 4.7 | *http://www.globus.org/* |
| *glpi* | 0.71.5 | 0.72.2.1 | *http://www.glpi-project.org/* |
| *glpi-data-injection* | 1.4.0 | 1.7.0 | *http://www.glpi-project.org/* |
| *glpi-mass-ocs-import* | 1.2.2 | 1.3.0 | *http://www.glpi-project.org/* |
| *glpi-pdf* | 0.5 | 0.6.1 | *http://www.glpi-project.org/* |
| *gnash-plugin* | 0.8.5 | 0.9.0 | *http://www.gnu.org/software/gnash/* |
| *gnaughty* | new | 1.2.0 | *http://gnaughty.sourceforge.net* |
| *gnome-web-photo* | 0.7 | 0.9 | *http://download.gnome.org/sources/gnome-web-photo/0.9/* |
| *gnubiff* | 2.2.10 | 2.2.11 | *http://gnubiff.sourceforge.net/* |
| *gwget* | 1.0.1 | 1.0.4 | *http://gnome.org/projects/gwget* |
| *gwget-epiphany-extension* | 1.0.1 | 1.0.4 | *http://gnome.org/projects/gwget* |
| *gwibber* | 0.9.1 | 1.2.0 | *https://launchpad.net/gwibber* |
| *gyachi* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-YMlike-theme* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gyachi-pidgy-theme* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-alsa* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-blowfish* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-gpgme* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-gtkspell* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-libnotify* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-mcrypt* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-plugin-pulseaudio* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *gyachi-recre8-theme* | 1.1.61 | 1.2.1 | *http://gyachi.sourceforge.net* |
| *hosts3d* | 0.98 | 1.03 | *http://hosts3d.sourceforge.net/* |
| *hosts3d-sampler* | 0.98 | 1.03 | *http://hosts3d.sourceforge.net/* |
| *httping* | 1.2.9 | 1.3.1 | *http://www.vanheusden.com/httping/* |
| *ikiwiki* | 3.09 | 3.14159265 | *http://ikiwiki.info/* |
| *ikiwiki-w3m* | 3.09 | 3.14159265 | *http://ikiwiki.info/* |
| *iksemel-utils* | 1.3 | 1.4 | *http://code.google.com/p/iksemel/* |
| *imapsync* | 1.255 | 1.286 | *http://freshmeat.net/projects/imapsync/* |
| *imp* | 4.2 | 4.3.4 | *http://www.horde.org/* |
| *ipplan* | new | 4.92 | *http://iptrack.sourceforge.net/* |
| *iptux* | new | 0.5.0 | *http://code.google.com/p/iptux/* |
| *iwak* | new | 2.5 | *http://www.benhur.prf.cuni.cz/medved-7/wydobitki/?path=iwak* |
| *jd* | 2.4.0 | 2.4.2 | *http://jd4linux.sourceforge.jp/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *jetty* | 5.1.14 | 6.1.20 | *http://jetty.mortbay.org/jetty/* |
| *jnettop* | new | 0.13.0 | *http://jnettop.kubs.info/wiki/* |
| *kadu* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-anonymous_check* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-globalhotkeys* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-led_notify* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-mail* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-mime_tex* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-osd_hints* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-panelkadu* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-plus_pl_sms* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-powerkadu* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-senthistory* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-split_messages* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kadu-tabs* | 0.6.5 | 0.6.5.2 | *http://www.kadu.net* |
| *kazehakase* | 0.5.6 | 0.5.8 | *http://kazehakase.sourceforge.jp/* |
| *kazehakase-base* | 0.5.6 | 0.5.8 | *http://kazehakase.sourceforge.jp/* |
| *kazehakase-hyperestraier* | 0.5.6 | 0.5.8 | *http://kazehakase.sourceforge.jp/* |
| *kazehakase-ruby* | 0.5.6 | 0.5.8 | *http://kazehakase.sourceforge.jp/* |
| *kazehakase-webkit* | 0.5.6 | 0.5.8 | *http://kazehakase.sourceforge.jp/* |
| *kde-plasma-ktorrent* | new | 3.2.5 | *http://ktorrent.org/* |
| *kde-plasma-networkmanagement* | 0.1 | 0.9 | *http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/* |
| *kdenetwork* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kismet* | 0.0.2008.05.R1 | 0.0.2009.06.R1 | *http://www.kismetwireless.net/* |
| *kismet-plugins* | new | 0.0.2009.06.R1 | *http://www.kismetwireless.net/* |
| *kmess* | new | 2.0 | *http://www.kmess.org* |
| *knetstats* | 1.6.1 | 1.6.2 | *http://knetstats.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *knetworkmanager* | new | 0.9 | *http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/* |
| *knetworkmanager-openvpn* | new | 0.9 | *http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/* |
| *knetworkmanager-vpnc* | new | 0.9 | *http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/* |

Table 13. All Applications-Internet changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *konq-plugins* | 4.2.2 | 4.3.1 | *http://extragear.kde.org* |
| *konversation* | 1.1 | 1.2 | *http://konversation.kde.org/* |
| *ktorrent* | 3.2.1 | 3.2.5 | *http://ktorrent.org/* |
| *ladvd* | 0.6.1 | 0.8 | *http://www.blinkenlights.nl/software/ladvd/* |
| *leafnode* | 1.11.6 | 1.11.7 | *http://www.leafnode.org* |
| *lekhonee* | 0.2.1 | 0.7 | *http://fedorahosted.org/lekhonee* |
| *lekhonee-gnome* | new | 0.7 | *http://fedorahosted.org/lekhonee* |
| *lftp* | 3.7.7 | 4.0.0 | *http://lftp.yar.ru/* |
| *lftp-scripts* | new | 4.0.0 | *http://lftp.yar.ru/* |
| *libpurple* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *libpurple-devel* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *libpurple-perl* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *libpurple-tcl* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *liferea* | 1.4.26 | 1.6.0 | *http://liferea.sourceforge.net/* |
| *mantis* | 1.1.6 | 1.1.8 | *http://www.mantisbt.org/* |
| *mantis-config-httpd* | 1.1.6 | 1.1.8 | *http://www.mantisbt.org/* |
| *mausezahn* | new | 0.34.9 | *http://www.perihel.at/sec/mz/* |
| *mb2md* | new | 3.20 | *http://batleth.sapienti-sat.org/projects/mb2md* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mediawiki-CategoryTree* | new | 45462 | *http://www.mediawiki.org/wiki/Extension:CategoryTree* |
| *mediawiki-HTTP302Found* | new | 1.0 | *http://www.mediawiki.org/wiki/Extension:HTTP302Found* |
| *mediawiki-InputBox* | new | 0 | *http://www.mediawiki.org/wiki/Extension:InputBox* |
| *mediawiki-Renameuser* | new | 0 | *http://www.mediawiki.org/wiki/Extension:Renameuser* |
| *mediawiki-rss* | new | 1.5 | *http://www.mediawiki.org/wiki/Extension:RSS* |
| *mediawiki-wikicalendar* | 1.15 | 1.16 | *http://code.google.com/p/wikicalendar/* |
| *midori* | 0.1.5 | 0.2.0 | *http://software.twotoasts.de/?page=midori* |
| *miredo-client* | new | 1.1.7 | *http://www.simphalempin.com/dev/miredo/* |
| *miredo-libs* | new | 1.1.7 | *http://www.simphalempin.com/dev/miredo/* |
| *miredo-server* | new | 1.1.7 | *http://www.simphalempin.com/dev/miredo/* |
| *mirrormanager* | 1.2.11 | 1.3.0 | *http://fedorahosted.org/mirrormanager* |
| *mirrormanager-client* | 1.2.11 | 1.3.0 | *http://fedorahosted.org/mirrormanager* |
| *mitter* | 0.4.3 | 0.4.5 | *http://code.google.com/p/mitter/* |
| *moin* | 1.8.2 | 1.8.5 | *http://moinmo.in/* |
| *mojito* | new | 0.21.5 | *http://moblin.org/projects/mojito* |
| *monit* | 4.10.1 | 5.0.3 | *http://www.tildeslash.com/monit* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mozilla-adblockplus* | new | 1.1.1 | *http://adblockplus.org/* |
| *mozilla-opensc-signer* | 0.11.7 | 0.11.9 | *http://www.opensc-project.org/opensc/* |
| *mozplugger* | 1.10.1 | 1.12.1 | *http://mozplugger.mozdev.org/* |
| *mozvoikko* | 0.9.7 | 1.0 | *http://voikko.sourceforge.net* |
| *mpop* | 1.0.17 | 1.0.18 | *http://mpop.sourceforge.net/* |
| *mr* | 0.39 | 0.43 | *http://kitenet.net/~joey/code/mr/* |
| *mulk* | new | 0.4.1 | *http://mulk.sourceforge.net* |
| *mumble* | new | 1.1.8 | *http://mumble.sourceforge.net/* |
| *mumble-overlay* | new | 1.1.8 | *http://mumble.sourceforge.net/* |
| *mumble-protocol* | new | 1.1.8 | *http://mumble.sourceforge.net/* |
| *mutt* | 1.5.19 | 1.5.20 | *http://www.mutt.org/* |
| *netdisco* | new | 0.95 | *http://netdisco.org/* |
| *nethogs* | 0.7 | 0.7.0 | *http://nethogs.sourceforge.net* |
| *network-manager-netbook* | new | 1.3.1 | *http://projects.gnome.org/NetworkManager/* |
| *nfswatch* | 4.99.9 | 4.99.10 | *http://nfswatch.sourceforge.net* |
| *nntpgrab* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-core* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-devel* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-gui* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-gui-base* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-server* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-server-gui* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *nntpgrab-web* | 0.4.90 | 0.5.1 | *http://www.nntpgrab.nl* |
| *ntop* | 3.3.9 | 3.3.10 | *http://www.ntop.org* |
| *nx* | 3.2.0 | 3.3.0 | *http://www.nomachine.com* |
| *nxcl* | new | 0.9 | *http://freenx.berlios.de/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ocsinventory* | 1.02 | 1.02.1 | *http://www.ocsinventory-ng.org/* |
| *ocsinventory-reports* | 1.02 | 1.02.1 | *http://www.ocsinventory-ng.org/* |
| *ocsinventory-server* | 1.02 | 1.02.1 | *http://www.ocsinventory-ng.org/* |
| *offlineimap* | 6.0.3 | 6.1.2 | *http://software.complete.org/offlineimap/* |
| *olpc-library* | new | 2.0.2 | *http://wiki.laptop.org/go/Library* |
| *openconnect* | 1.10 | 2.01 | *http://www.infradead.org/openconnect.html* |
| *openldap-clients* | 2.4.15 | 2.4.18 | *http://www.openldap.org/* |
| *openssh-blacklist* | new | 1.0 | *http://www.benhur.prf.cuni.cz/medved-7/wydobitki/?path=openssh-blacklist* |
| *openssl-perl* | 0.9.8k | 1.0.0 | *http://www.openssl.org/* |
| *openvrml-mozilla-plugin* | 0.17.12 | 0.18.3 | *http://openvrml.org* |
| *openvrml-player* | 0.17.12 | 0.18.3 | *http://openvrml.org* |
| *openvrml-xembed* | 0.17.12 | 0.18.3 | *http://openvrml.org* |
| *perl-RT-Test* | 3.8.2 | 3.8.4 | *http://www.bestpractical.com/rt* |
| *php-layers-menu* | new | 3.2.0 | *http://phplayersmenu.sourceforge.net/index.php* |
| *phpMyAdmin* | 3.1.5 | 3.2.2.1 | *http://www.phpmyadmin.net/* |
| *phpldapadmin* | 1.1.0.7 | 1.2.0.3 | *http://phpldapadmin.sourceforge.net* |
| *pidgin* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *pidgin-docs* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *pidgin-latex* | 1.3 | 1.3.3 | *http://sourceforge.net/projects/pidgin-latex* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pidgin-musictracker* | 0.4.16 | 0.4.20 | *http://code.google.com/p/pidgin-musictracker/* |
| *pidgin-perl* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *pidgin-privacy-please* | 0.5.3 | 0.6.0 | *http://code.google.com/p/pidgin-privacy-please/* |
| *pinot-deskbar* | 0.93 | 0.94 | *http://pinot.berlios.de/* |
| *podcatcher* | 3.1.4 | 3.1.5 | *http://podcatcher.rubyforge.org/* |
| *postal* | new | 0.70 | *http://doc.coker.com.au/projects/postal/* |
| *poweradmin* | 2.1.2 | 2.1.3 | *http://www.poweradmin.org* |
| *powwow* | new | 1.2.16 | *http://hoopajoo.net/projects/powwow.html* |
| *prelude-manager* | 0.9.14.2 | 0.9.15 | *http://www.prelude-ids.org* |
| *prewikka* | 0.9.14 | 0.9.17.1 | *http://www.prelude-ids.org* |
| *psi* | 0.12.1 | 0.13 | *http://psi-im.org* |
| *psi-i18n* | 0.12.1 | 0.13 | *http://psi-im.org* |
| *psi-icons* | 0.12.1 | 0.13 | *http://psi-im.org* |
| *purple-facebookchat* | 1.50 | 1.61 | *http://code.google.com/p/pidgin-facebookchat/* |
| *purple-microblog* | 0.2.1 | 0.2.4 | *http://code.google.com/p/microblog-purple/* |
| *purple-msn-pecan* | 0.0.18 | 0.1.0 | *http://code.google.com/p/msn-pecan/* |
| *pyicq-t* | 0.8.1 | 0.8.1.5 | *http://code.google.com/p/pyicqt/* |
| *pyicq-t-mysql* | 0.8.1 | 0.8.1.5 | *http://code.google.com/p/pyicqt/* |
| *pyzor* | 0.4.0 | 0.5.0 | *http://pyzor.sourceforge.net/* |
| *qbittorrent* | 1.3.3 | 1.5.2 | *http://sourceforge.net/projects/qbittorrent* |
| *quassel* | 0.4.0 | 0.5.0 | *http://quassel-irc.org/* |
| *quassel-client* | 0.4.0 | 0.5.0 | *http://quassel-irc.org/* |
| *quassel-core* | 0.4.0 | 0.5.0 | *http://quassel-irc.org/* |
| *quitcount* | new | 1.6 | *http://quitcount.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rancid* | new | 2.3.2 | *http://www.shrubbery.net/rancid/* |
| *ratproxy* | 1.56 | 1.58 | *http://code.google.com/p/ratproxy/* |
| *rb_libtorrent-examples* | 0.14.2 | 0.14.4 | *http://www.rasterbar.com/products/libtorrent/* |
| *ripmime* | new | 1.4.0.9 | *http://www.pldaniels.com/ripmime/* |
| *rsync* | 3.0.5 | 3.0.6 | *http://rsync.samba.org/* |
| *rt3* | 3.8.2 | 3.8.4 | *http://www.bestpractical.com/rt* |
| *rt3-mailgate* | 3.8.2 | 3.8.4 | *http://www.bestpractical.com/rt* |
| *rtorrent* | 0.8.4 | 0.8.5 | *http://rtorrent.rakshasa.no/* |
| *seamonkey* | 1.1.15 | 2.0 | *http://www.mozilla.org/projects/seamonkey/* |
| *sigul* | new | 0.97 | *https://fedorahosted.org/sigul/* |
| *sing* | new | 1.1 | *http://www.sourceforge.net/projects/sing/* |
| *sipcalc* | new | 1.1.4 | *http://www.routemeister.net/projects/sipcalc* |
| *sipwitch-snmp* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *smolt* | 1.2 | 1.4 | *http://fedorahosted.org/smolt* |
| *smolt-firstboot* | 1.2 | 1.4 | *http://fedorahosted.org/smolt* |
| *smolt-gui* | 1.2 | 1.4 | *http://fedorahosted.org/smolt* |
| *smolt-server* | 1.2 | 1.4 | *http://fedorahosted.org/smolt* |
| *snort* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-bloat* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-mysql* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *snort-mysql+flexresp* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-plain+flexresp* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-postgresql* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-postgresql +flexresp* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-snmp* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snort-snmp+flexresp* | 2.8.3.2 | 2.8.5.1 | *http://www.snort.org* |
| *snownews* | 1.5.10 | 1.5.12 | *http://home.kcore.de/ ~kiza/software/ snownews* |
| *socat* | 1.7.0.0 | 1.7.1.1 | *http://www.dest-unreach.org/socat* |
| *spacewalk-proxy-docs* | new | 0.6.2 | *https:// fedorahosted.org/ spacewalk* |
| *spamassassin* | 3.2.5 | 3.3.0 | *http:// spamassassin.apache.org/* |
| *squirrelmail* | 1.4.19 | 1.4.20 | *http:// www.squirrelmail.org/* |
| *stunnel* | 4.26 | 4.27 | *http://stunnel.mirt.net/* |
| *supybot* | 0.83.3 | 0.83.4.1 | *http://supybot.com* |
| *supybot-meetbot* | new | 0.1.4 | *http://wiki.debian.org/ MeetBot* |
| *surfraw* | 1.0.7 | 2.2.5 | *http:// surfraw.alioth.debian.org/* |
| *surl* | new | 0.5.4 | *https://launchpad.net/ surl* |
| *swfdec-gnome* | 2.26.0 | 2.28.0 | *http:// swfdec.freedesktop.org/* |
| *sylpheed* | 2.6.0 | 2.7.1 | *http:// sylpheed.sraoss.jp/* |
| *tcpdump* | 3.9.8 | 4.0.0 | *http://www.tcpdump.org* |
| *tcpjunk* | 2.649 | 2.7.01 | *http://code.google.com/ p/tcpjunk/* |
| *tcpreplay* | 3.4.1 | 3.4.3 | *http:// tcpreplay.synfin.net/ trac/* |
| *tn5250* | 0.17.3 | 0.17.4 | *http:// tn5250.sourceforge.net/* |
| *totem-mozplugin* | 2.26.2 | 2.28.2 | *http:// projects.gnome.org/ totem/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *trac* | 0.11.3 | 0.11.4 | *http://trac.edgewall.com/* |
| *trac-customfieldadmin-plugin* | new | 0.2 | *http://trac-hacks.org/wiki/CustomFieldAdminPlugin* |
| *trac-peerreview-plugin* | new | 0.11 | *http://trac-hacks.org/wiki/PeerReviewPlugin* |
| *trac-tracnav-plugin* | new | 4.1 | *http://svn.ipd.uka.de/trac/javaparty/wiki/TracNav* |
| *trac-xmlrpc-plugin* | 1.0.0 | 1.0.6 | *http://trac-hacks.org/wiki/XmlRpcPlugin* |
| *transifex* | 0.5.1 | 0.6 | *http://transifex.org/* |
| *transifex-extras* | 0.5.1 | 0.6 | *http://transifex.org/* |
| *transmission* | 1.53 | 1.76 | *http://www.transmissionbt.com/* |
| *trustyrc* | 0.1.2 | 0.1.4 | *http://nicoleau.fabien.free.fr/weblog/?pages/trustyRC* |
| *tucan* | new | 0.3.9 | *http://cusl3-tucan.forja.rediris.es* |
| *uberftp* | new | 2.5 | *http://dims.ncsa.illinois.edu/set/uberftp/* |
| *uget* | new | 1.5.0 | *http://urlget.sourceforge.net/* |
| *urlwatch* | 1.7 | 1.9 | *http://thpinfo.com/2008/urlwatch/* |
| *vidalia* | new | 0.1.15 | *https://www.torproject.org/vidalia/* |
| *w3m-el* | 1.4.4 | 1.4.367 | *http://emacs-w3m.namazu.org/* |
| *w3m-el-common* | 1.4.4 | 1.4.367 | *http://emacs-w3m.namazu.org/* |
| *w3m-el-xemacs* | 1.4.4 | 1.4.367 | *http://emacs-w3m.namazu.org/* |
| *wavemon* | new | 0.6.7 | *http://eden-feed.erg.abdn.ac.uk/wavemon/* |
| *wireshark* | 1.1.3 | 1.2.2 | *http://www.wireshark.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *wireshark-gnome* | 1.1.3 | 1.2.2 | *http://www.wireshark.org/* |
| *xchat-gnome* | 0.26.0 | 0.26.1 | *http://xchat-gnome.navi.cx/* |
| *xrdp* | new | 0.5.0 | *http://xrdp.sourceforge.net/* |
| *xsp-tests* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *xulrunner* | 1.9.1 | 1.9.1.4 | *http://developer.mozilla.org/En/XULRunner* |
| *xulrunner-python* | 1.9.1 | 1.9.1.4 | *http://developer.mozilla.org/En/XULRunner* |
| *yaz* | 3.0.41 | 3.0.49 | *http://www.indexdata.dk/yaz/* |
| *yokadi* | new | 0.10.0 | *http://yokadi.github.com/* |
| *zabbix* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-agent* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *zabbix-proxy* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-proxy-mysql* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-proxy-pgsql* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-proxy-sqlite3* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-server* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-server-mysql* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-server-pgsql* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-server-sqlite3* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-web* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-web-mysql* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-web-pgsql* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |
| *zabbix-web-sqlite3* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |

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

| | |
|---|---|
| Packages changed | 405 |
| Packages unchanged | 407 |
| Total packages | 812 |

## 8.2.10. Applications-Multimedia

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GraphicsMagick* | 1.1.14 | 1.3.7 | *http://www.graphicsmagick.org/* |
| *ImageMagick* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *ImageMagick-djvu* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *LuxRender* | new | 0.5 | *http://www.luxrender.net* |
| *LuxRender-blender* | new | 0.5 | *http://www.luxrender.net* |
| *LuxRender-core* | new | 0.5 | *http://www.luxrender.net* |
| *Miro* | 2.0.3 | 2.5.2 | *http://www.getmiro.com/* |
| *OpenSceneGraph* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenSceneGraph-devel* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenSceneGraph-examples* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenSceneGraph-examples-SDL* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenSceneGraph-examples-fltk* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenSceneGraph-examples-qt* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenSceneGraph-libs* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenThreads* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *OpenThreads-devel* | 2.8.0 | 2.8.2 | *http://www.openscenegraph.org/* |
| *Panini* | new | 0.71.103 | *http://sourceforge.net/projects/pvqt/* |
| *PerceptualDiff* | 1.0.2 | 1.1.1 | *http://pdiff.sourceforge.net* |
| *Pixie* | 2.2.5 | 2.2.6 | *http://www.renderpixie.com/* |
| *abby* | new | 0.4.3 | *http://code.google.com/p/abby/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *abcMIDI* | 20080924 | 20090317 | *http://abc.sourceforge.net/abcMIDI* |
| *abcde* | 2.3.99.6 | 2.3.99.8 | *http://code.google.com/p/abcde/* |
| *abcm2ps* | 5.9.3 | 5.9.5 | *http://moinejf.free.fr* |
| *alsa-firmware* | 1.0.19 | 1.0.20 | *http://www.alsa-project.org/* |
| *alsa-tools* | 1.0.19 | 1.0.20 | *http://www.alsa-project.org/* |
| *alsa-utils* | 1.0.20 | 1.0.21 | *http://www.alsa-project.org/* |
| *amarok* | 2.0.2 | 2.2.0 | *http://amarok.kde.org/* |
| *amarok-utils* | new | 2.2.0 | *http://amarok.kde.org/* |
| *aqsis* | 1.4.2 | 1.6.0 | *http://www.aqsis.org* |
| *aqsis-core* | 1.4.2 | 1.6.0 | *http://www.aqsis.org* |
| *aqsis-data* | 1.4.2 | 1.6.0 | *http://www.aqsis.org* |
| *ardour* | 2.8 | 2.8.2 | *http://ardour.org* |
| *audacious* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugin-fc* | 0.3 | 0.4 | *http://xmms-fc.sourceforge.net/* |
| *audacious-plugin-xmp* | 2.5.1 | 2.7.1 | *http://xmp.sourceforge.net/* |
| *audacious-plugins* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugins-amidi* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugins-esd* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugins-jack* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugins-metronome* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugins-vortex* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacious-plugins-wavpack* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audacity* | 1.3.7 | 1.3.9 | *http://audacity.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *audex* | new | 0.72 | *http://opensource.maniatek.de/audex/* |
| *audio-convert-mod* | 3.45.5b | 3.46.0a | *http://www.diffingo.com/oss/audio-convert-mod* |
| *audtty* | new | 0.1.11 | *http://audtty.alioth.debian.org/* |
| *awesfx* | new | 0.5.1c | *http://www.alsa-project.org/~iwai/awedrv.html* |
| *banshee* | 1.4.3 | 1.5.1 | *http://banshee-project.org/* |
| *banshee-mirage* | 0.4.0 | 0.5.0 | *http://hop.at/mirage/* |
| *bickley* | new | 0.4.3 | *http://moblin.org/projects/bickley* |
| *blender* | 2.48a | 2.49b | *http://www.blender.org* |
| *blenderplayer* | 2.48a | 2.49b | *http://www.blender.org* |
| *bognor-regis* | new | 0.4.10 | *http://www.moblin.org/* |
| *brasero* | 2.26.1 | 2.28.2 | *http://www.gnome.org/projects/brasero/* |
| *calf* | 0.0.18.3 | 0.0.18.5 | *http://calf.sourceforge.net/* |
| *camcardsync* | new | 0.1.1 | *http://blackfiveimaging.co.uk/index.php?article=02Software%2F04CamCardSync* |
| *cclive* | new | 0.5.2 | *http://code.google.com/p/cclive/* |
| *cd-discid* | 0.9 | 1.1 | *http://linukz.org/cd-discid.shtml* |
| *cdrskin* | 0.6.0 | 0.7.0 | *http://libburnia-project.org/* |
| *clive* | 2.1.10 | 2.2.7 | *http://code.google.com/p/clive/* |
| *constantine-backgrounds* | new | 12.1.0 | *https://fedoraproject.org/wiki/F12_Artwork* |
| *constantine-backgrounds-extras* | new | 12.1.0 | *https://fedoraproject.org/wiki/F12_Artwork* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *constantine-backgrounds-kde* | new | 12.1.0 | *https://fedoraproject.org/wiki/F12_Artwork* |
| *creox* | new | 0.2.2 | *http://zyzstar.kosoru.com/?creox* |
| *csound* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-dssi* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-fltk* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-fluidsynth* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-gui* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-jack* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-osc* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-tk* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-virtual-keyboard* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *dcraw* | 8.91 | 8.96 | *http://cybercom.net/~dcoffin/dcraw* |
| *denemo* | 0.8.2 | 0.8.4 | *http://www.denemo.org/* |
| *denemo-music-fonts* | 0.8.2 | 0.8.4 | *http://www.denemo.org/* |
| *dia* | 0.96.1 | 0.97 | *http://www.gnome.org/projects/dia/* |
| *digikam* | 0.10.0 | 1.0.0 | *http://www.digikam.org/* |
| *dssi* | 0.9.1 | 1.0.0 | *http://dssi.sourceforge.net/* |
| *dssi-calf-plugins* | 0.0.18.3 | 0.0.18.5 | *http://calf.sourceforge.net/* |
| *dssi-examples* | 0.9.1 | 1.0.0 | *http://dssi.sourceforge.net/* |
| *dssi-vst* | new | 0.8 | *http://dssi.sourceforge.net/* |
| *dssi-vst-wine* | new | 0.8 | *http://dssi.sourceforge.net/* |
| *easytag* | 2.1 | 2.1.6 | *http://easytag.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *eina* | 0.7.3 | 0.8.0 | *http://eina.sourceforge.net/* |
| *entertainer* | new | 0.4.2 | *https://launchpad.net/entertainer* |
| *espeak* | 1.39 | 1.40.02 | *http://espeak.sourceforge.net* |
| *exaile* | 0.2.14 | 0.3.0.1 | *http://www.exaile.org* |
| *exiv2* | 0.18.1 | 0.18.2 | *http://www.exiv2.org/* |
| *f-spot* | 0.5.0.3 | 0.6.1.3 | *http://f-spot.org/* |
| *fedora-business-cards* | 0.2.4 | 0.2.4.2 | *https://fedoraproject.org/wiki/Business_cards* |
| *flam3* | 2.7.17 | 2.7.18 | *http://www.flam3.com/* |
| *flam3-devel* | 2.7.17 | 2.7.18 | *http://www.flam3.com/* |
| *fluidsynth* | 1.0.8 | 1.0.9 | *http://www.fluidsynth.org/* |
| *fluidsynth-dssi* | 0.9.1 | 1.0.0 | *http://dssi.sourceforge.net/download.html#FluidSynth-DSSI* |
| *fotowall* | 0.4 | 0.8.1 | *http://www.enricoros.com/opensource/fotowall/* |
| *fotoxx* | 6.0 | 8.0 | *http://kornelix.squarespace.com/fotoxx* |
| *frinika* | new | 0.5.1 | *http://frinika.appspot.com/* |
| *gaupol* | 0.14 | 0.15 | *http://home.gna.org/gaupol* |
| *gcdmaster* | 1.2.2 | 1.2.3 | *http://cdrdao.sourceforge.net/* |
| *gimmix* | 0.5.2 | 0.5.6.1 | *http://gimmix.berlios.de/* |
| *gimp* | 2.6.6 | 2.6.7 | *http://www.gimp.org/* |
| *gimp-help-browser* | 2.6.6 | 2.6.7 | *http://www.gimp.org/* |
| *gimp-lqr-plugin* | 0.4.0.4 | 0.6.1 | *http://liquidrescale.wikidot.com/* |
| *gimp-resynthesizer* | 0.15 | 0.16 | *http://logarithmic.net/pfh/resynthesizer* |
| *gimpfx-foundry* | new | 2.6.1 | *http://gimpfx-foundry.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gle* | 4.1.2 | 4.2.0 | *http://www.gle-graphics.org/* |
| *gmixer* | new | 1.3 | *https://launchpad.net/gmixer* |
| *gmpc* | 0.16.1 | 0.18.0 | *http://gmpcwiki.sarine.nl/* |
| *gmusicbrowser* | 1.0.1 | 1.0.2 | *http://gmusicbrowser.sourceforge.net/* |
| *gnash* | 0.8.5 | 0.9.0 | *http://www.gnu.org/software/gnash/* |
| *gnash-cygnal* | 0.8.5 | 0.9.0 | *http://www.gnu.org/software/gnash/* |
| *gnash-klash* | 0.8.5 | 0.9.0 | *http://www.gnu.org/software/gnash/* |
| *gnome-backgrounds* | 2.24.1 | 2.28.0 | *http://www.gnome.org* |
| *gnome-media* | 2.26.0 | 2.28.1 | *http://www.gnome.org* |
| *gnome-media-apps* | new | 2.28.1 | *http://www.gnome.org* |
| *gnome-subtitles* | 0.8 | 0.9.1 | *http://gnome-subtitles.sourceforge.net* |
| *gocr* | 0.45 | 0.46 | *http://jocr.sourceforge.net/* |
| *gphoto2* | 2.4.5 | 2.4.7 | *http://www.gphoto.org/* |
| *gpicview* | 0.1.11 | 0.2.1 | *http://lxde.sourceforge.net/gpicview/* |
| *gpodder* | 0.15.2 | 2.0 | *http://gpodder.berlios.de/* |
| *griffith* | new | 0.10 | *http://www.griffith.cc* |
| *gsm-tools* | 1.0.12 | 1.0.13 | *http://kbs.cs.tu-berlin.de/~jutta/toast.html* |
| *gst-mixer* | 2.26.0 | dropped | *http://www.gnome.org* |
| *gstreamer* | 0.10.22 | 0.10.25 | *http://gstreamer.freedesktop.org/* |
| *gstreamer-plugins-base* | 0.10.22 | 0.10.25 | *http://gstreamer.freedesktop.org/* |
| *gstreamer-plugins-good* | 0.10.14 | 0.10.16 | *http://gstreamer.freedesktop.org/* |
| *gstreamer-plugins-schroedinger* | 1.0.6 | 1.0.7 | *http://www.diracvideo.org/* |
| *gstreamer-rtsp* | new | 0.10.4 | *http://people.freedesktop.org/~wtay/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gstreamer-rtsp-python* | new | 0.10.4 | *http://people.freedesktop.org/~wtay/* |
| *gstreamer-rtsp-vala* | new | 0.10.4 | *http://people.freedesktop.org/~wtay/* |
| *gstreamer-tools* | 0.10.22 | 0.10.25 | *http://gstreamer.freedesktop.org/* |
| *guimup* | new | 0.1.4 | *http://www.coonsden.com/* |
| *guitarix* | new | 0.05.0 | *http://guitarix.sourceforge.net/* |
| *hexter-dssi* | 0.6.1 | 0.6.2 | *http://dssi.sourceforge.net/hexter.html* |
| *hispavoces-pal-diphone* | new | 1.0.0 | *http://www.cstr.ed.ac.uk/projects/festival/* |
| *hispavoces-sfl-diphone* | new | 1.0.0 | *http://www.cstr.ed.ac.uk/projects/festival/* |
| *hugin* | 0.7.0 | 2009.2.0 | *http://hugin.sourceforge.net/* |
| *hugin-base* | 0.7.0 | 2009.2.0 | *http://hugin.sourceforge.net/* |
| *imgtarget* | new | 0.1.4 | *http://blackfiveimaging.co.uk/index.php?article=02Software%2F02ImgTarget* |
| *ivtv-utils* | 1.3.0 | 1.4.0 | *http://ivtvdriver.org/* |
| *jack-audio-connection-kit-example-clients* | 0.116.1 | 0.116.2 | *http://www.jackaudio.org* |
| *jack-keyboard* | new | 2.5 | *http://pin.if.uz.zgora.pl/~trasz/jack-keyboard/* |
| *jack_capture* | new | 0.9.35 | *http://www.musix.org.ar/wiki/index.php/Jack_capture* |
| *jbrout* | 0.3.174 | 0.3.211 | *http://jbrout.python-hosting.com/wiki* |
| *jconv* | new | 0.8.1 | *http://www.kokkinizita.net/linuxaudio/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *jhead* | 2.86 | 2.87 | *http://www.sentex.net/~mwandel/jhead/* |
| *kaffeine* | 0.8.7 | 1.0 | *http://kaffeine.kde.org/* |
| *kdegraphics* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdemultimedia* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kid3* | 1.1 | 1.2 | *http://kid3.sourceforge.net/* |
| *kipi-plugins* | 0.2.0 | 0.8.0 | *http://www.kipi-plugins.org/* |
| *klavaro* | new | 1.3.4 | *http://klavaro.sourceforge.net/en/* |
| *kmplayer* | 0.11.0a | 0.11.1b | *http://kmplayer.kde.org/* |
| *kphotoalbum* | 3.2 | 4.1 | *http://kphotoalbum.org/* |
| *kradio4* | new | 4.0.0 | *http://kradio.sourceforge.net/* |
| *ladspa-calf-plugins* | 0.0.18.3 | 0.0.18.5 | *http://calf.sourceforge.net/* |
| *ladspa-fil-plugins* | 0.1.0 | 0.3.0 | *http://www.kokkinizita.net/linuxaudio/* |
| *lazygal* | new | 0.4.1 | *http://sousmonlit.dyndns.org/~niol/playa/oss:lazygal* |
| *libbs2b* | new | 3.1.0 | *http://bs2b.sourceforge.net/* |
| *libicns-utils* | 0.6.2 | 0.7.0 | *http://icns.sourceforge.net/* |
| *libkate-utils* | 0.3.1 | 0.3.6 | *http://code.google.com/p/libkate/* |
| *libmpd* | 0.16.1 | 0.18.0 | *http://gmpc.wikia.com/wiki/Gnome_Music_Player_Client* |
| *libmtp-examples* | 0.3.7 | 1.0.1 | *http://libmtp.sourceforge.net/* |
| *libnemesi-tools* | 0.6.4 | 0.6.9 | *http://www.lscube.org/projects/libnemesi* |
| *libpano13-tools* | 2.9.12 | 2.9.14 | *http://panotools.sourceforge.net/* |
| *listen* | 0.5 | 0.6.3 | *http://www.listen-project.org* |
| *lmms* | 0.4.3 | 0.4.5 | *http://lmms.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lmms-vst* | 0.4.3 | 0.4.5 | *http://lmms.sourceforge.net/* |
| *lv2-calf-plugins* | 0.0.18.3 | 0.0.18.5 | *http://calf.sourceforge.net/* |
| *lv2-swh-plugins* | new | 1.0.15 | *http://lv2plug.in/* |
| *lv2-vocoder-plugins* | new | 1 | *http://download.gna.org/lv2vocoder/* |
| *lv2-zynadd-plugins* | new | 1 | *http://home.gna.org/zyn/* |
| *lxmusic* | 0.2.3 | 0.4.0 | *http://lxde.org* |
| *me-tv* | new | 1.0.0 | *https://launchpad.net/me-tv* |
| *meshmagick* | 0.5.2 | 0.6.0 | *http://www.ogre3d.org/wiki/index.php/MeshMagick* |
| *meterbridge* | new | 0.9.2 | *http://plugin.org.uk/meterbridge/* |
| *minicomputer* | new | 1.3 | *http://minicomputer.sourceforge.net/* |
| *mkvtoolnix* | 2.6.0 | 2.9.8 | *http://www.bunkus.org/videotools/mkvtoolnix/index.html* |
| *mkvtoolnix-gui* | 2.6.0 | 2.9.8 | *http://www.bunkus.org/videotools/mkvtoolnix/index.html* |
| *mpc* | 0.15 | 0.16 | *http://mpd.wikia.com/wiki/Client:Mpc* |
| *mscore* | 0.9.4 | 0.9.5 | *http://musescore.org/en* |
| *mtpaint* | 3.21 | 3.31 | *http://mtpaint.sourceforge.net/* |
| *mtpaint-handbook* | 3.21 | 3.31 | *http://mtpaint.sourceforge.net/* |
| *muine* | 0.8.10 | 0.8.11 | *http://www.muine-player.org/* |
| *ncmpc* | 0.13 | 0.14 | *http://mpd.wikia.com/wiki/Client:Ncmpc* |
| *ncmpcpp* | 0.3.3 | 0.3.5 | *http://unkart.ovh.org/ncmpcpp* |
| *nekobee-dssi* | new | 0.1.7 | *http://www.nekosynth.co.uk/wiki/nekobee* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *netpbm-progs* | 10.35.62 | 10.47.04 | *http://netpbm.sourceforge.net/* |
| *nip2* | 7.16.4 | 7.18.2 | *http://www.vips.ecs.soton.ac.uk/* |
| *nyquist* | 3.02 | 3.03 | *http://www-2.cs.cmu.edu/~music/music.software.html* |
| *nyxmms2* | new | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *ocrad* | 0.17 | 0.18 | *http://www.gnu.org/software/ocrad/ocrad.html* |
| *oggvideotools* | 0.6 | 0.7b | *http://dev.streamnik.de/oggvideotools.html* |
| *ogmtools* | new | 1.5 | *http://www.bunkus.org/videotools/ogmtools/* |
| *optipng* | 0.6.2.1 | 0.6.3 | *http://optipng.sourceforge.net/* |
| *panoglview* | new | 0.2.2 | *http://hugin.sourceforge.net/* |
| *paprefs* | 0.9.8 | 0.9.9 | *http://0pointer.de/lennart/projects/paprefs* |
| *pavucontrol* | 0.9.8 | 0.9.10 | *http://0pointer.de/lennart/projects/pavucontrol* |

Table 16. All Applications-Multimedia changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *phasex* | 0.11.1 | 0.12.0 | *http://sysex.net/phasex/* |
| *photoprint* | new | 0.4.0 | *http://blackfiveimaging.co.uk/index.php?article=02Software%2F01PhotoPrint* |
| *photoprint-borders* | new | 0.0.2 | *http://blackfiveimaging.co.uk/index.php?article=02Software%2F01PhotoPrint* |
| *pianobooster* | new | 0.6.2 | *http://pianobooster.sourceforge.net/* |
| *pigment* | 0.3.16 | 0.3.17 | *https://code.fluendo.com/pigment/trac/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pigment-python* | 0.3.11 | 0.3.12 | *https://code.fluendo.com/pigment/trac/* |
| *pitivi* | 0.11.3 | 0.13.3 | *http://www.pitivi.org/* |
| *pocketsphinx* | new | 0.5.1 | *http://www.pocketsphinx.org/* |
| *pocketsphinx-devel* | new | 0.5.1 | *http://www.pocketsphinx.org/* |
| *pocketsphinx-libs* | new | 0.5.1 | *http://www.pocketsphinx.org/* |
| *pocketsphinx-plugin* | new | 0.5.1 | *http://www.pocketsphinx.org/* |
| *pocketsphinx-python* | new | 0.5.1 | *http://www.pocketsphinx.org/* |
| *podsleuth* | 0.6.3 | 0.6.4 | *http://banshee-project.org/PodSleuth* |
| *pony* | new | 0.2 | *http://www.fedorahosted.org/pony* |
| *potrace* | new | 1.8 | *http://potrace.sourceforge.net* |
| *potrace-devel* | new | 1.8 | *http://potrace.sourceforge.net* |
| *psimedia* | new | 1.0.3 | *http://delta.affinix.com/psimedia/* |
| *pulseaudio-gdm-hooks* | new | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-utils* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *python-gnash* | new | 0.9.0 | *http://www.gnu.org/software/gnash/* |
| *qjackctl* | 0.3.3 | 0.3.4 | *http://qjackctl.sourceforge.net* |
| *qmmp* | 0.2.3 | 0.3.0 | *http://qmmp.ylsoftware.com/index_en.html* |
| *qsynth* | 0.3.3 | 0.3.4 | *http://qsynth.sourceforge.net* |
| *quodlibet* | 1.0 | 2.1 | *http://code.google.com/p/quodlibet/* |
| *rhythmbox* | 0.12.1 | 0.12.5 | *http://projects.gnome.org/rhythmbox/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rhythmbox-lirc* | 0.12.1 | 0.12.5 | *http://projects.gnome.org/rhythmbox/* |
| *rhythmbox-upnp* | 0.12.1 | 0.12.5 | *http://projects.gnome.org/rhythmbox/* |
| *rubyripper* | 0.5.5 | 0.5.7 | *http://code.google.com/p/rubyripper/* |
| *rubyripper-gui* | 0.5.5 | 0.5.7 | *http://code.google.com/p/rubyripper/* |
| *rygel* | new | 0.4.2 | *http://live.gnome.org/Rygel* |
| *rygel-tracker* | new | 0.4.2 | *http://live.gnome.org/Rygel* |
| *sap* | new | 0.4.4 | *http://www.jezra.net/projects/sap* |
| *shotwell* | new | 0.2.0 | *http://www.yorba.org/shotwell/* |
| *shutter* | new | 0.80.1 | *http://shutter-project.org* |
| *solang* | new | 0.3 | *https://savannah.nongnu.org/projects/solang/* |
| *sonata* | 1.5.2 | 1.6.2.1 | *http://sonata.berlios.de/* |
| *sonic-visualiser* | 1.5 | 1.6 | *http://www.sonicvisualiser.org/* |
| *sound-juicer* | 2.26.1 | 2.28.0 | *http://www.burtonini.com/blog/computers/sound-juicer* |
| *taglib-extras* | 0.1.2 | 1.0.1 | *http://websvn.kde.org/trunk/kdesupport/taglib-extras/* |
| *tellico* | 1.3.5 | 2.0 | *http://tellico-project.org/* |
| *tgif* | 4.1.45 | 4.2.1 | *http://bourbon.usc.edu/tgif/* |
| *themonospot* | 0.7.1.1 | 0.7.3.1 | *http://www.integrazioneweb.com/themonospot* |
| *theora-tools* | 1.0 | 1.1.0 | *http://www.theora.org* |
| *totem* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *totem-jamendo* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-lirc* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-mythtv* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-nautilus* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-publish* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-upnp* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-youtube* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *ucview* | 0.22 | 0.23 | *http://www.unicap-imaging.org/* |
| *uniconvertor* | 1.1.3 | 1.1.4 | *http://sk1project.org/modules.php?name=Productsxtrasproduct=uniconvertor* |
| *v4l2ucp* | 1.2 | 1.3 | *http://v4l2ucp.sourceforge.net/* |
| *vdr-epgsearch* | new | 0.9.25 | *http://winni.vdr-developer.org/epgsearch/* |
| *vdr-femon* | 1.6.6 | 1.6.7 | *http://www.saunalahti.fi/~rahrenbe/vdr/femon/* |
| *vdr-osdteletext* | 0.8.1 | 0.8.3 | *http://projects.vdr-developer.org/projects/show/plg-osdteletext* |
| *vdr-skins* | 20081124 | 20090901 | n/a |
| *vdr-text2skin* | 1.1 | 1.2 | *http://projects.vdr-developer.org/projects/show/plg-text2skin* |
| *vips-tools* | 7.16.4 | 7.18.2 | *http://www.vips.ecs.soton.ac.uk/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *w_scan* | 20081106 | 20090808 | *http://wirbel.htpc-forum.de/w_scan/index2.html* |
| *wavpack* | 4.50.1 | 4.60 | *http://www.wavpack.com/* |
| *whysynth-dssi* | 20080412 | 20090403 | *http://www.smbolton.com/whysynth.html* |
| *xaos* | 3.4 | 3.5 | *http://xaos.sourceforge.net* |
| *xfmpc* | 0.1.0 | 0.2.0 | *http://goodies.xfce.org/projects/applications/xfmpc* |
| *xine-ui* | new | 0.99.5 | *http://www.xine-project.org/* |
| *xine-ui-skins* | new | 0.99.5 | *http://www.xine-project.org/* |
| *xmms-xmp* | 2.5.1 | 2.7.1 | *http://xmp.sourceforge.net/* |
| *xmms2* | 0.5 | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *xmms2-perl* | 0.5 | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *xmms2-python* | 0.5 | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *xmms2-ruby* | 0.5 | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *xmp* | 2.5.1 | 2.7.1 | *http://xmp.sourceforge.net/* |
| *xsane* | 0.996 | 0.997 | *http://www.xsane.org/* |
| *xsane-common* | new | 0.997 | *http://www.xsane.org/* |
| *xsane-gimp* | 0.996 | 0.997 | *http://www.xsane.org/* |
| *xsynth-dssi* | new | 0.9.2 | *http://dssi.sourceforge.net/download.html#Xsynth-DSSI* |
| *youtube-dl* | 2008.01.24 | 2009.09.13 | *http://bitbucket.org/rg3/youtube-dl* |
| *zynaddsubfx* | 2.2.1 | 2.4.0 | *http://zynaddsubfx.sourceforge.net* |
| *zynjacku* | new | 5 | *http://home.gna.org/zynjacku/* |

Table 17. All Applications-Multimedia changes (cont'd)

| | |
|---|---|
| Packages changed | 279 |
| Packages unchanged | 307 |
| Total packages | 586 |

## 8.2.11. Applications-Productivity

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *EekBoek* | new | 1.04.04 | *http://www.eekboek.nl* |
| *EekBoek-db-postgresql* | new | 1.04.04 | *http://www.eekboek.nl* |
| *R-BufferedMatrixMethods* | 1.3.0 | 1.8.0 | *http://bioconductor.org/packages/release/bioc/html/BufferedMatrixMethods.html* |
| *R-DynDoc* | 1.20.0 | 1.22.0 | *http://bioconductor.org/packages/2.4/bioc/html/DynDoc.html* |
| *R-RODBC* | 1.2 | 1.3.0 | *http://cran.r-project.org/web/packages/RODBC/* |
| *R-abind* | 1.1 | 1.1.0 | *http://cran.r-project.org/web/packages/abind/index.html* |
| *R-acepack* | 1.3 | 1.3.2.2 | *http://cran.r-project.org/web/packages/acepack/index.html* |
| *R-biglm* | 0.4 | 0.7 | *http://cran.r-project.org/web/packages/biglm/index.html* |
| *R-bigmemory* | 2.3 | 3.10 | *http://cran.r-project.org/web/packages/bigmemory/index.html* |
| *R-maanova* | 1.12.0 | 1.14.0 | *http://www.bioconductor.org/packages/2.4/bioc/html/maanova.html* |
| *R-multtest* | 1.22.0 | 2.0.0 | *http://www.bioconductor.org/packages/2.4/bioc/html/multtest.html* |
| *R-nws* | 1.7.0.0 | 2.0.0.3 | *http://cran.r-project.org/web/packages/nws/index.html* |
| *R-pls* | 2.1 | 2.1.0 | *http://cran.r-project.org/web/packages/pls/index.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *R-tkWidgets* | 1.20.0 | 1.22.0 | *http://bioconductor.org/packages/2.4/bioc/html/tkWidgets.html* |
| *R-widgetTools* | 1.18.0 | 1.22.0 | *http://bioconductor.org/packages/2.4/bioc/html/widgetTools.html* |
| *aiksaurus-thesaurus* | new | 1.2.1 | *http://aiksaurus.sourceforge.net/* |
| *alexandria* | 0.6.4.1 | 0.6.5 | *http://alexandria.rubyforge.org/* |
| *anjal* | new | 0.1.0 | *http://live.gnome.org/Anjal/* |
| *barry-opensync* | new | 0.15 | *http://www.netdirect.ca/downloads/barry* |
| *bibletime* | 1.7 | 2.2 | *http://www.bibletime.info/* |
| *bleachbit* | new | 0.6.4 | *http://bleachbit.sourceforge.net/* |
| *broffice.org-base* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *broffice.org-brand* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *broffice.org-calc* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *broffice.org-draw* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *broffice.org-impress* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *broffice.org-math* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *broffice.org-writer* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *calcurse* | 2.4 | 2.7 | *http://culot.org/calcurse/* |
| *ccrypt* | new | 1.9 | *http://ccrypt.sourceforge.net/* |
| *clusterssh* | 3.22 | 3.26 | *http://clusterssh.sourceforge.net* |
| *conduit* | 0.3.15 | 0.3.16 | *http://www.conduit-project.org/* |
| *dates* | 0.4.6 | 0.4.8 | *http://pimlico-project.org/dates.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *evolution* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-bogofilter* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-exchange* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-help* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-mapi* | 0.26.1 | 0.28.0 | *http://www.gnome.org/projects/evolution-mapi/* |
| *evolution-perl* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-pst* | new | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-spamassassin* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *expendable* | 0.0.8 | 0.0.9 | *https://fedorahosted.org/expendable/* |
| *fedora-packager* | 0.3.3 | 0.3.8 | *https://fedorahosted.org/fedora-packager* |
| *gjots2* | 2.3.8 | 2.3.9 | *http://bhepple.freeshell.org/gjots* |
| *gnome-do-plugins* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-banshee* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-bibtex* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-clawsmail* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-eog* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-epiphany* | new | 0.8.2 | *http://do.davebsd.com* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-do-plugins-evolution* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-firefox* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-flickr* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-pidgin* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-rhythmbox* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-tasque* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-thunderbird* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-tomboy* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-do-plugins-vinagre* | new | 0.8.2 | *http://do.davebsd.com* |
| *gnome-games-help* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/gnome-games/* |
| *gourmet* | 0.13.4 | 0.15.0 | *http://grecipe-manager.sourceforge.net* |
| *gpscorrelate* | new | 1.6.0 | *http://freefoote.dview.net/linux_gpscorr.html* |
| *gpsdrive* | 2.09 | 2.10 | *http://www.gpsdrive.de/index.shtml* |
| *gramps* | 3.1.1 | 3.1.2 | *http://gramps.sourceforge.net/* |
| *gtg* | new | 0.1.2 | *http://gtg.fritalk.com* |
| *homebank* | 4.0.2 | 4.0.4 | *http://homebank.free.fr* |
| *homebank-doc* | 4.0.2 | 4.0.4 | *http://homebank.free.fr* |
| *kdepim* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdepim-runtime* | new | 4.3.2 | *http://www.kde.org/* |
| *kmymoney2* | 0.9.3 | 1.0.1 | *http://kmymoney2.sourceforge.net/* |
| *krecipes* | 0.9.1 | 1.0 | *http://krecipes.sourceforge.net/* |
| *libpst* | 0.6.36 | 0.6.44 | *http://www.five-ten-sg.com/libpst/* |
| *merkaartor* | 0.13.1 | 0.14 | *http://www.merkaartor.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *monosim* | 1.3.0.2 | 1.5.2 | *http://www.integrazioneweb.com/monosim* |
| *openoffice.org-base* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-base-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-brand* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-calc* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-calc-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-draw* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-draw-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-emailmerge* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-graphicfilter* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-impress* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-impress-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-javafilter* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-af_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ar* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-as_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-bg_BG* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-bn* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ca_ES* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-cs_CZ* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openoffice.org-langpack-cy_GB* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-da_DK* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-de* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-dz* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-el_GR* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-en* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-es* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-et_EE* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-eu_ES* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-fi_FI* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-fr* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ga_IE* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-gl_ES* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-gu_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-he_IL* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-hi_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-hr_HR* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-hu_HU* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-it* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ja_JP* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-kn_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openoffice.org-langpack-ko_KR* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-lt_LT* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-mai_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ml_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-mr_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ms_MY* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-nb_NO* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-nl* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-nn_NO* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-nr_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-nso_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-or_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-pa_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-pl_PL* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-pt_BR* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-pt_PT* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ru* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-sk_SK* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-sl_SI* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-sr* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ss_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openoffice.org-langpack-st_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-sv* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ta_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-te_IN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-th_TH* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-tn_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-tr_TR* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ts_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-uk* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ur* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-ve_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-xh_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-zh_CN* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-zh_TW* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-langpack-zu_ZA* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-math* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-math-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-ogltrans* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-pdfimport* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-presentation-minimizer* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-presenter-screen* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openoffice.org-report-builder* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-wiki-publisher* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-writer* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-writer-core* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-writer2latex* | 0.5.0.2 | 1.0 | *http://writer2latex.sourceforge.net/* |
| *openoffice.org-writer2xhtml* | 0.5.0.2 | 1.0 | *http://writer2latex.sourceforge.net/* |
| *openoffice.org-xsltfilter* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *paperbox* | new | 0.4.3 | *http://live.gnome.org/PaperBox* |
| *pdfchain* | new | 0.123 | *http://sourceforge.net/projects/pdfchain* |
| *pdfresurrect* | 0.04 | 0.7 | *http://www.757labs.com/projects/pdfresurrect/* |
| *pem* | 0.7.3 | 0.7.7 | *http://pjp.dgplug.org/tools/* |
| *planner* | 0.14.3 | 0.14.4 | *http://live.gnome.org/Planner* |
| *planner-eds* | 0.14.3 | 0.14.4 | *http://live.gnome.org/Planner* |
| *pondus* | new | 0.5.3 | *http://www.ephys.de/software/pondus/* |
| *qelectrotech-symbols* | new | 0.20 | *http://qelectrotech.org/* |
| *qtpfsgui* | 1.9.2 | 1.9.3 | *http://qtpfsgui.sourceforge.net/* |
| *ratpoison* | 1.4.1 | 1.4.5 | *http://www.nongnu.org/ratpoison/* |
| *rednotebook* | 0.6.6 | 0.8.6.1 | *http://digitaldump.wordpress.com/projects/rednotebook/* |
| *remind* | 03.01.06 | 03.01.07 | *http://www.roaringpenguin.com/en/penguin/openSourceProducts/remind* |
| *remind-gui* | 03.01.06 | 03.01.07 | *http://www.roaringpenguin.com/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *en/penguin/openSourceProducts/remind* |
| *rkward* | 0.5.0c | 0.5.1 | *http://rkward.sourceforge.net/* |
| *scribus* | 1.3.5 | 1.3.5.1 | *http://www.scribus.net/* |
| *skanlite* | new | 0.3 | *http://docs.kde.org/development/en/extragear-graphics/skanlite/* |
| *strigi* | 0.6.4 | 0.7.0 | *http://www.vandenoever.info/software/strigi/* |
| *syncevolution* | 0.8.1a | 0.9 | *http://syncevolution.org/* |
| *tangogps* | 0.9.6 | 0.9.9 | *http://www.tangogps.org/* |
| *task* | new | 1.8.2 | *http://taskwarrior.org* |
| *taskcoach* | 0.72.5 | 0.74.1 | *http://www.taskcoach.org/* |
| *taskjuggler* | 2.4.1 | 2.4.3 | *http://www.taskjuggler.org* |
| *tasks* | 0.15 | 0.16 | *http://pimlico-project.org/tasks.html* |
| *tryton* | 1.0.3 | 1.2.2 | *http://www.tryton.org* |
| *veusz* | 1.3 | 1.5 | *http://home.gna.org/veusz/* |
| *vfrnav* | new | 0.3 | *http://www.baycom.org/~tom/vfrnav* |
| *vfrnav-utils* | new | 0.3 | *http://www.baycom.org/~tom/vfrnav* |
| *viking* | 0.9.8 | 0.9.9 | *http://viking.sourceforge.net/* |
| *vym* | 1.12.2 | 1.12.4 | *http://www.insilmaril.de/vym/* |
| *xca* | 0.6.4 | 0.7.0 | *http://www.hohnstaedt.de/xca.html* |
| *ytnef* | new | 2.6 | *http://sourceforge.net/projects/ytnef/* |

Table 18. All Applications-Productivity changes

| | |
|---|---|
| Packages changed | 195 |
| Packages unchanged | 113 |

| | |
|---|---|
| Total packages | 308 |

## 8.2.12. Applications-Publishing

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *asymptote* | 1.70 | 1.88 | *http://asymptote.sourceforge.net/* |
| *bibtex2html* | new | 1.94 | *http://www.lri.fr/~filliatr/bibtex2html/index.en.html* |
| *blazeblogger* | new | 1.0.0 | *http://blaze.blackened.cz/* |
| *bugzilla* | 3.2.3 | 3.4.2 | *http://www.bugzilla.org/* |
| *bugzilla-contrib* | 3.2.3 | 3.4.2 | *http://www.bugzilla.org/* |
| *bugzilla-doc-build* | new | 3.4.2 | *http://www.bugzilla.org/* |
| *chmsee* | 1.0.1 | 1.0.7 | *http://code.google.com/p/chmsee* |
| *dblatex* | 0.2.9 | 0.2.10 | *http://dblatex.sourceforge.net/* |
| *dot2tex* | 2.8.4 | 2.8.6 | *http://www.fauskes.net/code/dot2tex/* |
| *drupal* | 6.12 | 6.14 | *http://www.drupal.org* |
| *drupal-date* | 6.x.2.0 | 6.x.2.4 | *http://drupal.org/project/date* |
| *drupal-views* | 6.x.2.2 | 6.x.2.6 | *http://drupal.org/project/views* |
| *dvisvgm* | new | 0.8.6 | *http://dvisvgm.sourceforge.net* |
| *evince* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/evince/* |
| *evince-djvu* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/evince/* |
| *evince-dvi* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/evince/* |
| *fig2ps* | 1.3.6 | 1.4.1 | *http://fig2ps.sourceforge.net/* |
| *fontforge* | 20090224 | 20090622 | *http://fontforge.sourceforge.net/* |
| *gcolor2* | new | 0.4 | *http://gcolor2.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ghostscript* | 8.64 | 8.70 | *http://www.ghostscript.com/* |
| *ghostscript-gtk* | 8.64 | 8.70 | *http://www.ghostscript.com/* |
| *glabels* | 2.2.4 | 2.2.5 | *http://glabels.sf.net* |
| *gutenprint-cups* | 5.2.3 | 5.2.4 | *http://gimp-print.sourceforge.net/* |
| *gutenprint-extras* | 5.2.3 | 5.2.4 | *http://gimp-print.sourceforge.net/* |
| *hpijs* | 3.9.2 | 3.9.8 | *http://hplip.sourceforge.net/* |
| *html2wiki* | new | 0.68 | *http://search.cpan.org/dist/HTML-WikiConverter/* |
| *kcoloredit* | 4.2.0 | 4.3.1 | *http://www.kde.org* |
| *kiconedit* | 4.2.0 | 4.3.1 | *http://www.kde.org* |
| *kile* | 2.0.3 | 2.1 | *http://kile.sourceforge.net/* |
| *klatexformula* | new | 3.0.1 | *http://klatexformula.sourceforge.net/* |
| *latexmk* | 4.05 | 4.10 | *http://www.phys.psu.edu/~collins/software/latexmk-jcc/* |
| *linuxdoc-tools* | 0.9.56 | 0.9.65 | *http://packages.qa.debian.org/l/linuxdoc-tools.html* |
| *lyx* | 1.6.2 | 1.6.4 | *http://www.lyx.org/* |
| *lyx-cmex10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-cmmi10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-cmr10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-cmsy10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-common* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-esint10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-eufm10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-fonts-common* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-fonts-compat* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-msam10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-msbm10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *lyx-wasy10-fonts* | new | 1.6.4 | *http://www.lyx.org/* |
| *moodle* | 1.9.4 | 1.9.5 | *http://moodle.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *moodle-af* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ar* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-be* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-bg* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-bn* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-bs* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ca* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-cs* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-cy* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-da* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-de* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-de_du* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-el* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-es* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-et* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-eu* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-fa* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-fi* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-fil* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-fr* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-fr_ca* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ga* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-gl* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-gu* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-he* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-hi* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-hr* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-hu* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-hy* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-id* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-is* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-it* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ja* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ka* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-kk* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-km* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-kn* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ko* | 1.9.4 | 1.9.5 | *http://moodle.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *moodle-lo* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-lt* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-lv* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-mi_tn* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-mi_wwow* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-mk* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ml* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-mn* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ms* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-nl* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-nn* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-no* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-no_gr* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-pl* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-pt* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-pt_br* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ro* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ru* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-si* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sk* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sl* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sm* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-so* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sq* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sr_cr* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sr_cr_bo* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sr_lt* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-sv* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ta* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-ta_lk* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-th* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-tl* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-to* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-tr* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-uk* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-uz* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-vi* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *moodle-zh_cn* | 1.9.4 | 1.9.5 | *http://moodle.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *moodle-zh_tw* | 1.9.4 | 1.9.5 | *http://moodle.org/* |
| *nted* | 1.5.0 | 1.8.1 | *http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml* |
| *nted-doc* | 1.5.0 | 1.8.1 | *http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml* |
| *openlayers* | 2.7 | 2.8 | *http://www.openlayers.org/* |
| *pdf2djvu* | 0.5.0 | 0.5.11 | *http://pdf2djvu.googlecode.com/* |
| *pdfedit* | 0.4.2 | 0.4.3 | *http://sourceforge.net/projects/pdfedit/* |
| *pdfshuffler* | 0.3.1 | 0.4.2 | *http://sourceforge.net/projects/pdfshuffler/* |
| *phoronix-test-suite* | 1.8.0 | 1.8.1 | *http://phoronix-test-suite.com/* |
| *podofo* | new | 0.7.0 | *http://podofo.sourceforge.net* |
| *psutils-perl* | new | 1.17 | n/a |
| *pyliblo* | new | 0.8.0 | *http://das.nasophon.de/pyliblo/* |
| *pypoppler* | new | 0.10.1 | *https://launchpad.net/poppler-python* |
| *sK1* | new | 0.9.1 | *http://sk1project.org* |
| *t1utils* | 1.33 | 1.34 | *http://www.lcdf.org/~eddietwo/type/* |
| *tetex-bytefield* | 1.2a | dropped | *http://www.ctan.org/tex-archive/help/Catalogue/entries/bytefield.html* |
| *tetex-elsevier* | 0.1.20071024 | 0.1.20081007 | *http://www.elsevier.com/locate/latex* |
| *tetex-perltex* | 1.7 | 1.9 | *http://www.ctan.org/tex-archive/help/Catalogue/entries/perltex.html* |
| *tetex-prosper* | 1.5 | dropped | *http://www.ctan.org/tex-archive/help/Catalogue/entries/prosper.html* |
| *texmaker* | 1.8 | 1.9.2 | *http://www.xm1math.net/texmaker/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *wordpress* | 2.7.1 | 2.8.5 | *http://www.wordpress.org* |
| *wordpress-mu* | 2.7 | 2.8.4a | *http://mu.wordpress.org/latest.tar.gz* |
| *wordpress-mu-plugin-add-to-any* | new | 0.9.9.2.3 | *http://wordpress.org/extend/plugins/add-to-any/* |
| *wordpress-mu-plugin-add-to-any-subscribe* | new | 0.9.6.4.1 | *http://wordpress.org/extend/plugins/add-to-any-subscribe/* |
| *wordpress-mu-plugin-defaults* | new | 1.2.3 | *http://wpmudev.org/project/New-Blog-Defaults* |
| *wordpress-plugin-add-to-any* | new | 0.9.9.2.3 | *http://wordpress.org/extend/plugins/add-to-any/* |
| *wordpress-plugin-add-to-any-i18n* | new | 0.9.9.2.3 | *http://wordpress.org/extend/plugins/add-to-any/* |
| *wordpress-plugin-add-to-any-subscribe* | new | 0.9.6.4.1 | *http://wordpress.org/extend/plugins/add-to-any-subscribe/* |
| *wordpress-plugin-add-to-any-subscribe-i18n* | new | 0.9.6.4.1 | *http://wordpress.org/extend/plugins/add-to-any-subscribe/* |
| *xchm* | 1.14 | 1.17 | *http://xchm.sourceforge.net/* |
| *xgridfit* | 1.17 | 1.19 | *http://xgridfit.sf.net/* |
| *zikula* | 1.1.1 | 1.1.2 | *http://www.zikula.org/* |
| *zikula-module-MultiHook* | new | 5.0 | *http://code.zikula.org/multihook/* |
| *zikula-module-News* | new | 2.4.1 | *http://code.zikula.org/news* |
| *zikula-module-crpTag* | new | 0.1.3 | *http://code.zikula.org/crptag* |
| *zikula-module-feeds* | new | 2.1 | *http://community.zikula.org/module-Extensions-display-ot-component-componentid-28.htm* |
| *zikula-module-scribite* | new | 3.2 | *http://code.zikula.org/scribite/downloads/* |

Table 19. All Applications-Publishing changes

| | |
|---|---|
| Packages changed | 158 |
| Packages unchanged | 198 |
| Total packages | 356 |

## 8.2.13. Applications-System

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *389-admin-console* | new | 1.1.4 | *http://port389.org* |
| *389-console* | new | 1.1.3 | *http://port389.org* |
| *389-ds-console* | new | 1.2.0 | *http://port389.org* |
| *FUR* | new | 0.4.6 | *http://www.infis.univ.ts.it/~riccardo/FUR.html* |
| *abrt* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *acpi* | 0.09 | 1.4 | *http://sourceforge.net/projects/acpiclient/* |
| *acpitool* | 0.5 | 0.5.1 | *http://freeunix.dyndns.org:8000/site2/acpitool.shtml* |
| *afftools* | 3.3.4 | 3.4.1 | *http://www.afflib.org* |
| *agedu* | new | 0 | *http://www.chiark.greenend.org.uk/~sgtatham/agedu/* |
| *aimage* | 3.2.0 | 3.2.1 | *http://www.afflib.org* |
| *alacarte* | 0.11.10 | 0.12.4 | *http://www.gnome.org* |
| *alsa-tools-firmware* | 1.0.19 | 1.0.20 | *http://www.alsa-project.org/* |
| *amavisd-new* | 2.6.2 | 2.6.4 | *http://www.ijs.si/software/amavisd/* |
| *amavisd-new-snmp* | new | 2.6.4 | *http://www.ijs.si/software/amavisd/* |
| *anaconda* | 11.5.0.59 | 12.46 | *http://fedoraproject.org/wiki/Anaconda* |
| *anyremote* | 4.18.1 | 5.0 | *http://anyremote.sourceforge.net/* |
| *anyremote-data* | 4.18.1 | 5.0 | *http://anyremote.sourceforge.net/* |
| *anyremote-doc* | 4.18.1 | 5.0 | *http://anyremote.sourceforge.net/* |
| *anyremote2html* | 0.9 | 1.0 | *http://anyremote.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *apcupsd-gui* | 3.14.5 | 3.14.7 | *http://www.apcupsd.com* |
| *asciidoc* | 8.2.5 | 8.4.5 | *http://www.methods.co.nz/asciidoc/* |
| *audit-viewer* | 0.4 | 0.5.1 | *https://fedorahosted.org/audit-viewer/* |
| *autoarchive* | new | 0.1.2 | *http://autoarchive.sourceforge.net/* |
| *beesu* | 2.3 | 2.4 | *http://www.honeybeenet.altervista.org* |
| *bios_extract* | new | 0 | *http://cgit.freedesktop.org/~libv/bios_extract* |
| *bitmap-fonts-cjk* | 0.3 | dropped | n/a |
| *bltk* | 1.0.8 | 1.0.9 | *http://www.lesswatts.org/projects/bltk/* |
| *blueman* | new | 1.10 | *http://blueman-project.org/* |
| *bluez* | 4.37 | 4.57 | *http://www.bluez.org/* |
| *bonnie++* | 1.03c | 1.03e | *http://www.coker.com.au/bonnie++/* |
| *brlapi* | 0.5.2 | 0.5.4 | *http://mielke.cc/brltty/* |
| *bug-buddy* | 2.26.0 | dropped | *http://www.gnome.org* |
| *cacti* | 0.8.7d | 0.8.7e | *http://www.cacti.net/* |
| *certmaster* | 0.24 | 0.25 | *https://fedorahosted.org/certmaster* |
| *cfengine* | 2.2.8 | 2.2.10 | *http://www.cfengine.org/* |
| *cobbler* | 1.6.2 | 2.0.0 | *http://fedorahosted.org/cobbler* |
| *collectl* | 3.2.1 | 3.3.5 | *http://collectl.sourceforge.net* |
| *comps-extras* | 16 | 17 | *http://git.fedorahosted.org/git/?p=comps-extras.git;a=summary* |
| *condor* | 7.2.1 | 7.2.4 | *http://www.cs.wisc.edu/condor/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *condor-ec2-enhanced* | new | 1.0 | *http://www.redhat.com/mrg* |
| *condor-ec2-enhanced-hooks* | new | 1.0 | *http://www.redhat.com/mrg* |
| *condor-job-hooks* | new | 1.0 | *http://www.redhat.com/mrg* |
| *condor-kbdd* | 7.2.1 | 7.2.4 | *http://www.cs.wisc.edu/condor/* |
| *condor-low-latency* | new | 1.0 | *http://www.redhat.com/mrg* |
| *congruity* | new | 13 | *http://sourceforge.net/projects/congruity* |
| *conman* | 0.2.2 | 0.2.5 | *http://home.gna.org/conman/* |
| *cryptsetup-luks* | 1.0.6 | 1.1.0 | *http://cryptsetup.googlecode.com/* |
| *cryptsetup-luks-libs* | new | 1.1.0 | *http://cryptsetup.googlecode.com/* |
| *custom-kickstarts* | new | 0.12.0 | *http://fedorahosted.org/spin-kickstarts* |
| *cyrus-imapd-utils* | 2.3.14 | 2.3.15 | *http://cyrusimap.web.cmu.edu/* |
| *dirsplit* | new | 1.1.9 | *http://cdrkit.org/* |
| *drbdlinks* | new | 1.18 | *http://www.tummy.com/Community/software/drbdlinks/* |
| *dvtm* | new | 0.5.2 | *http://www.brain-dump.org/projects/dvtm/* |
| *em8300* | 0.17.2 | 0.17.3 | *http://dxr3.sourceforge.net/* |
| *fabric* | 0.1.1 | 0.9 | *http://www.nongnu.org/fab* |
| *fbterm* | 1.4 | 1.5 | *http://code.google.com/p/fbterm/* |
| *fcoe-utils* | 1.0.7 | 1.0.8 | *http://www.open-fcoe.org* |
| *fedora-kickstarts* | new | 0.12.0 | *http://fedorahosted.org/spin-kickstarts* |
| *filelight* | 1.0 | 1.9 | *http://www.methylblue.com/filelight/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *fio* | 1.24 | 1.34 | *http://git.kernel.dk/?p=fio.git;a=summary* |
| *firmware-addon-dell* | 1.4.8 | 2.1.2 | *http://linux.dell.com/libsmbios/download/* |
| *firmware-tools* | 1.5.6 | 2.1.5 | *http://linux.dell.com/libsmbios/download/* |
| *firstaidkit* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-devel* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-gui* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-plugin-all* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-plugin-grub* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-plugin-key-recovery* | new | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-plugin-mdadm-conf* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-plugin-passwd* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *firstaidkit-plugin-xserver* | 0.2.2 | 0.2.7 | *http://fedorahosted.org/firstaidkit* |
| *flashrom* | 0 | 0.9.1 | *http://flashrom.org* |
| *freeipmi* | 0.7.8 | 0.7.12 | *http://www.gnu.org/software/freeipmi/* |
| *freeipmi-bmc-watchdog* | 0.7.8 | 0.7.12 | *http://www.gnu.org/software/freeipmi/* |
| *freeipmi-ipmidetectd* | 0.7.8 | 0.7.12 | *http://www.gnu.org/software/freeipmi/* |
| *func* | 0.24 | 0.25 | *https://fedorahosted.org/func/* |
| *fwbuilder* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *fwbuilder-cisco* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *fwbuilder-ipf* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *fwbuilder-ipfw* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *fwbuilder-ipt* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *fwbuilder-pf* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *gadmin-squid* | 0.1.0 | dropped | *http://sebuka.org/gadmintools/index.php?option=com_content&task=view&id=47a&Ite* |
| *gammu* | 1.23.92 | 1.25.0 | *http://cihar.com/gammu/* |
| *ganyremote* | 5.8 | 5.10 | *http://anyremote.sourceforge.net/* |
| *gbdfed* | 1.4 | 1.5 | *http://www.math.nmsu.edu/~mleisher/Software/gbdfed/* |
| *gcalctool* | 5.26.1 | 5.28.1 | *http://directory.fsf.org/gcalctool.html* |
| *gconf-cleaner* | 0.0.2 | 0.0.3 | *http://code.google.com/p/gconf-cleaner/* |
| *gconf-editor* | 2.26.0 | 2.28.0 | *http://www.gnome.org* |
| *gipfel* | 0.3.1 | 0.3.2 | *http://www.ecademix.com/JohannesHofmann/gipfel.html* |
| *gkrellm-top* | 2.2.11 | 2.2.13 | *http://gkrelltop.sourceforge.net/* |
| *gnome-applet-bubblemon* | new | 2.0.14 | *http://www.nongnu.org/bubblemon/* |
| *gnome-mount* | 0.8 | dropped | n/a |
| *gnome-mount-nautilus-properties* | 0.8 | dropped | n/a |
| *gnome-packagekit* | 2.27.2 | 2.28.2 | *http://www.packagekit.org* |
| *gnome-packagekit-extra* | 2.27.2 | 2.28.2 | *http://www.packagekit.org* |
| *gnome-power-manager* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/gnome-power-manager/* |
| *gnome-power-manager-extra* | new | 2.28.1 | *http://projects.gnome.org/gnome-power-manager/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-specimen* | 0.3 | 0.4 | *http://uwstopia.nl/geek/projects/gnome-specimen/* |
| *gnome-system-log* | new | 2.28.1 | *http://www.gnome.org* |
| *gnome-system-monitor* | 2.26.1 | 2.28.0 | *http://www.gnome.org/* |
| *gnome-utils* | 2.26.0 | 2.28.1 | *http://www.gnome.org* |
| *gnomint* | 0.9.1 | 1.0.0 | *http://gnomint.sourceforge.net/* |
| *gnupg* | 1.4.9 | 1.4.10 | *http://www.gnupg.org/* |
| *gnupg2* | 2.0.11 | 2.0.13 | *http://www.gnupg.org/* |
| *gnutls-utils* | 2.6.6 | 2.8.5 | *http://www.gnutls.org/* |
| *gpa* | 0.7.6 | 0.8.0 | *http://gpa.wald.intevation.org/* |
| *gparted* | 0.4.4 | 0.4.6 | *http://gparted.sourceforge.net* |
| *gpgme* | 1.1.7 | 1.1.8 | *http://www.gnupg.org/related_software/gpgme/* |
| *gridengine* | 6.2u2_1 | 6.2u3 | *http://gridengine.sunsource.net/* |
| *gspiceui* | 0.9.65 | 0.9.97 | *http://sourceforge.net/projects/gspiceui* |
| *gucharmap* | 2.26.1 | 2.28.1 | *http://live.gnome.org/Gucharmap* |
| *hdparm* | 9.12 | 9.16 | *http://sourceforge.net/projects/hdparm/* |
| *hplip-gui* | 3.9.2 | 3.9.8 | *http://hplip.sourceforge.net/* |
| *htop* | 0.8.1 | 0.8.3 | *http://htop.sourceforge.net/* |
| *hwbrowser* | 0.42 | 0.43 | n/a |
| *im-chooser* | 1.2.6 | 1.2.7 | *http://fedorahosted.org/im-chooser/* |
| *imsettings* | 0.106.2 | 0.107.4 | *http://code.google.com/p/imsettings/* |
| *imsettings-xfce* | 0.106.2 | 0.107.4 | *http://code.google.com/p/imsettings/* |
| *iok* | 1.3.4 | 1.3.8 | *http://iok.sourceforge.net* |
| *iotop* | 0.2.1 | 0.3 | *http://guichaz.free.fr/iotop/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *iproute-doc* | new | 2.6.29 | *http://linux-net.osdl.org/index.php/Iproute2* |
| *kanyremote* | 5.8.2 | 5.10 | *http://anyremote.sourceforge.net/* |
| *kdeadmin-kpackage* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeutils* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kdeutils-printer-applet* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *keychecker* | new | 0.2 | *https://fedorahosted.org/keychecker* |
| *koan* | 1.6.1 | 1.6.6 | *http://fedorahosted.org/cobbler/* |
| *kpackagekit* | 0.4.0 | 0.5.0.3 | *http://www.kde-apps.org/content/show.php/KPackageKit?content=84745* |
| *kudzu* | 1.2.85 | 1.2.86 | *http://fedorahosted.org/releases/k/u/kudzu/* |
| *l10n-kickstarts* | new | 0.12.0 | *http://fedorahosted.org/spin-kickstarts* |
| *latencytop* | 0.4 | 0.5 | *http://www.latencytop.org/* |
| *lesstif-clients* | 0.95.0 | 0.95.2 | *http://www.lesstif.org/* |
| *libdc1394-tools* | 2.1.0 | 2.1.2 | *http://sourceforge.net/projects/libdc1394/* |
| *libhugetlbfs-utils* | 2.2 | 2.6 | *http://libhugetlbfs.sourceforge.net/* |
| *libsmbclient* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *libvirt-qpid* | 0.2.12 | 0.2.17 | *http://libvirt.org/qpid* |
| *limph* | 1.9.5 | 1.9.6 | *http://doc.jcomserv.net/index.php/Limph* |
| *limph-common* | 1.9.5 | 1.9.6 | *http://doc.jcomserv.net/index.php/Limph* |
| *limph-hostagent* | 1.9.5 | 1.9.6 | *http://doc.jcomserv.net/index.php/Limph* |
| *liveusb-creator* | 3.6.5 | 3.7.3 | *https://fedorahosted.org/liveusb-creator* |
| *lm_sensors* | 3.1.0 | 3.1.1 | *http://www.lm-sensors.org/* |
| *lxc* | new | 0.6.3 | *http://lxc.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mach* | 0.9.4 | 0.9.5 | *http://thomas.apestaart.org/projects/mach/* |
| *matahari* | new | 0.0.4 | *http://arjunroy.fedorapeople.org/matahari/index.html* |
| *medusa* | new | 1.5 | *http://www.foofus.net/jmk/medusa/medusa.html* |
| *mlocate* | 0.22 | 0.22.2 | *https://fedorahosted.org/mlocate/* |
| *moreutils* | 0.34 | 0.36 | *http://kitenet.net/~joey/code/moreutils/* |
| *mtools* | 4.0.10 | 4.0.11 | *http://mtools.linux.lu/* |
| *munge* | new | 0.5.8 | *http://home.gna.org/munge/* |
| *munge-devel* | new | 0.5.8 | *http://home.gna.org/munge/* |
| *nagios* | 3.0.6 | 3.2.0 | *http://www.nagios.org/* |
| *nagios-devel* | 3.0.6 | 3.2.0 | *http://www.nagios.org/* |
| *nbd* | 2.9.10 | 2.9.13 | *http://nbd.sourceforge.net/* |
| *ndoutils* | new | 1.4 | *http://www.nagios.org/download/addons/* |
| *ndoutils-mysql* | new | 1.4 | *http://www.nagios.org/download/addons/* |
| *nmap* | 4.76 | 5.00 | *http://nmap.org/* |
| *nmap-frontend* | 4.76 | 5.00 | *http://nmap.org/* |

Table 20. All Applications-System changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ntp-perl* | 4.2.4p6 | 4.2.4p7 | *http://www.ntp.org* |
| *ntpdate* | 4.2.4p6 | 4.2.4p7 | *http://www.ntp.org* |
| *ophcrack* | new | 3.3.0 | *http://ophcrack.sourceforge.net* |
| *oscilloscope* | new | 0.9.1 | *http://userweb.kernel.org/~acme/tuna/* |
| *ovaldi* | 5.5.4 | 5.5.25 | *http://oval.mitre.org/language/download/interpreter/index.html* |
| *ovirt-server* | new | 0.100 | *http://ovirt.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ovirt-server-installer* | new | 0.100 | *http://ovirt.org/* |
| *parted* | 1.8.8 | 1.9.0 | *http://www.gnu.org/software/parted* |
| *pciutils* | 3.1.2 | 3.1.4 | *http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml* |
| *pessulus* | 2.23.1 | 2.27.92 | *http://live.gnome.org/Pessulus* |
| *pgp-tools* | 1.0 | 1.1 | *http://pgp-tools.alioth.debian.org/* |
| *pinentry* | 0.7.4 | 0.7.6 | *http://www.gnupg.org/aegypten/* |
| *pinentry-gtk* | 0.7.4 | 0.7.6 | *http://www.gnupg.org/aegypten/* |
| *pinentry-qt* | 0.7.4 | 0.7.6 | *http://www.gnupg.org/aegypten/* |
| *pipestat* | new | 0.3.0 | *http://code.google.com/p/pipestat/* |
| *plymouth-gdm-hooks* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-scripts* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-utils* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *pnp4nagios* | 0.4.12 | 0.4.14 | *http://www.pnp4nagios.org/* |
| *polkit-gnome* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *postfix-perl-scripts* | 2.5.6 | 2.6.5 | *http://www.postfix.org* |
| *powerman* | 2.3.4 | 2.3.5 | *http://sourceforge.net/projects/powerman* |
| *powerman-devel* | 2.3.4 | 2.3.5 | *http://sourceforge.net/projects/powerman* |
| *preload* | 0.6.3 | 0.6.4 | *http://preload.sf.net/* |
| *procinfo-ng* | 2.0.217 | 2.0.304 | *http://sourceforge.net/projects/procinfo-ng/* |
| *procps* | 3.2.7 | 3.2.8 | *http://procps.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pyjigdo* | 0.3.0 | 0.4.0.1 | *http://fedorahosted.org/pyjigdo* |
| *python-condor-ec2-enhanced-hooks-common* | new | 1.0 | *http://www.redhat.com/mrg* |
| *python-condor-job-hooks-common* | new | 1.0 | *http://www.redhat.com/mrg* |
| *python-libs* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *rcssserver* | 13.2.0 | 13.2.2 | *http://sourceforge.net/projects/sserver/* |
| *rcssserver-gui* | 13.2.0 | 13.2.2 | *http://sourceforge.net/projects/sserver/* |
| *referencer* | 1.1.5 | 1.1.6 | *http://icculus.org/referencer* |
| *revisor* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-cli* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-cobbler* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-comps* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-gui* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-isolinux* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-mock* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-reuseinstaller* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *revisor-unity* | 2.1.4 | 2.1.8 | *http://fedorahosted.org/revisor* |
| *roundcubemail* | 0.2.1 | 0.3 | *http://www.roundcube.net* |
| *rpmconf* | new | 0.1.8 | *http://wiki.github.com/xsuchy/rpmconf* |
| *sabayon* | 2.25.0 | 2.28.1 | *http://www.gnome.org/projects/sabayon* |
| *sabayon-apply* | 2.25.0 | 2.28.1 | *http://www.gnome.org/projects/sabayon* |
| *safecopy* | new | 1.4 | *http://safecopy.sourceforge.net/* |
| *samba-client* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *samba-common* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *samba-domainjoin-gui* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *samba-swat* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *samba-winbind* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *sblim-cmpi-base* | 1.5.7 | 1.5.9 | *http://sblim.wiki.sourceforge.net/* |
| *sblim-cmpi-base-test* | 1.5.7 | 1.5.9 | *http://sblim.wiki.sourceforge.net/* |
| *sdparm* | 1.03 | 1.04 | *http://sg.danny.cz/sg/sdparm.html* |
| *sectool* | 0.9.1 | 0.9.4 | *https://hosted.fedoraproject.org/sectool/wiki/WikiStart* |
| *sectool-gui* | 0.9.1 | 0.9.4 | *https://hosted.fedoraproject.org/sectool/wiki/WikiStart* |
| *ser2net* | 2.5 | 2.6 | *http://ser2net.sourceforge.net/* |
| *setroubleshoot* | 2.1.8 | 2.2.42 | *https://fedorahosted.org/setroubleshoot* |
| *setroubleshoot-plugins* | 2.0.16 | 2.1.29 | *https://fedorahosted.org/setroubleshoot* |
| *setroubleshoot-server* | 2.1.8 | 2.2.42 | *https://fedorahosted.org/setroubleshoot* |
| *setuptool* | 1.19.5 | 1.19.9 | *http://git.fedorahosted.org/git/?p=setuptool.git* |
| *sg3_utils* | 1.26 | 1.27 | *http://sg.danny.cz/sg/sg3_utils.html* |
| *shcov* | 4 | 5 | *http://code.google.com/p/shcov/* |
| *shorewall* | 4.2.7 | 4.4.1 | *http://www.shorewall.net/* |
| *shorewall-lite* | 4.2.7 | 4.4.1 | *http://www.shorewall.net/* |
| *shorewall6* | 4.2.7 | 4.4.1 | *http://www.shorewall.net/* |
| *shorewall6-lite* | 4.2.7 | 4.4.1 | *http://www.shorewall.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *smem* | new | 0.1 | *http://www.selenic.com/smem/* |
| *spawn* | new | 0.1 | *http://code.google.com/p/spawntool/* |
| *spin-kickstarts* | 0.11.3 | 0.12.0 | *http://fedorahosted.org/spin-kickstarts* |
| *srm* | 1.2.9 | 1.2.10 | *http://srm.sourceforge.net/* |
| *sssd* | 0.3.2 | 0.7.1 | *http://fedorahosted.org/sssd* |
| *subtitlecomposer* | 0.5.2 | 0.5.3 | *http://kde-apps.org/content/show.php/Subtitle+Composer?content=69822* |
| *sudo* | 1.6.9p17 | 1.7.1 | *http://www.courtesan.com/sudo/* |
| *sys_basher* | new | 1.1.23 | *http://www.polybus.com/sys_basher_web/* |
| *sysstat* | 8.0.4 | 9.0.4 | *http://perso.orange.fr/sebastien.godard/* |
| *system-config-audit* | 0.4.8 | 0.4.13 | *https://fedorahosted.org/system-config-audit/* |
| *system-config-bind* | 4.0.12 | 4.0.15 | *http://fedorahosted.org/system-config-bind* |
| *system-config-boot* | 0.3.0 | 0.4.1 | *http://fedoraproject.org/wiki/SystemConfig/boot* |
| *system-config-httpd* | 1.4.4 | 1.4.6 | *http://www.redhat.com/* |
| *system-config-lvm* | 1.1.4 | 1.1.10 | *http://www.redhat.com/* |
| *system-config-network* | 1.5.97 | 1.5.99 | *http://fedoraproject.org/wiki/SystemConfig/network* |
| *system-config-network-tui* | 1.5.97 | 1.5.99 | *http://fedoraproject.org/wiki/SystemConfig/network* |
| *system-config-services* | 0.99.33 | 0.99.41 | *http://fedorahosted.org/system-config-services* |
| *system-config-users* | 1.2.86 | 1.2.94 | *http://fedorahosted.org/system-config-users* |
| *system-switch-java* | 1.1.4 | 1.1.5 | *https://fedorahosted.org/system-switch-java* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *vacation* | new | 1.2.7.0 | *http://sourceforge.net/projects/vacation/* |
| *vinagre* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/vinagre/* |
| *virt-viewer* | 0.0.3 | 0.2.0 | *http://virt-manager.org/* |
| *volume_key* | new | 0.3 | *https://fedorahosted.org/volume_key/* |
| *websvn* | new | 2.2.1 | *http://www.websvn.info* |
| *xmlto* | 0.0.22 | 0.0.23 | *https://fedorahosted.org/xmlto/* |
| *xmlto-tex* | 0.0.22 | 0.0.23 | *https://fedorahosted.org/xmlto/* |
| *xmlto-xhtml* | 0.0.22 | 0.0.23 | *https://fedorahosted.org/xmlto/* |
| *yelp* | 2.26.0 | 2.28.0 | *http://live.gnome.org/Yelp* |
| *ykclient* | new | 2.3 | *http://yubico-c-client.googlecode.com/* |
| *yumex* | 2.0.5 | 2.9.3 | *http://www.yum-extender.org* |
| *zenity* | 2.26.0 | 2.28.0 | *http://directory.fsf.org/zenity.html* |
| *zyx-liveinstaller* | new | 0.1.16 | *http://www.filteredperception.org/smiley/projects/zyx-liveinstaller* |

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

| | |
|---|---|
| Packages changed | 275 |
| Packages unchanged | 389 |
| Total packages | 664 |

## 8.2.14. Applications-Text

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *AGReader* | new | 1.2 | *http://main.aminet.net/misc/unix/* |
| *acheck* | new | 0.5.1 | *http://packages.debian.org/etch/acheck* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *acheck-rules* | new | 0.3.1 | *http://packages.debian.org/etch/acheck-rules* |
| *agrep* | 0.7.5 | 0.7.6 | *http://laurikari.net/tre/* |
| *autocorr-af* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-bg* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-cs* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-da* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-de* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-en* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-es* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-eu* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-fa* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-fi* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-fr* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-hu* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-it* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-ja* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-ko* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-lb* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-mn* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-nl* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-pl* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *autocorr-pt* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-ru* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-sk* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-sl* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-sv* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-tr* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-vi* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *autocorr-zh* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *ccze* | new | 0.2.1 | *http://bonehunter.rulez.org/CCZE.html* |
| *colordiff* | 1.0.8a | 1.0.9 | *http://colordiff.sourceforge.net/* |
| *docbook-style-xsl* | 1.74.3 | 1.75.2 | *http://docbook.sourceforge.net/projects/xsl/* |
| *docbook5-style-xsl* | 1.74.3 | 1.75.2 | *http://docbook.sourceforge.net/projects/xsl/* |
| *ebview* | 0.3.6 | 0.3.6.2 | *http://packages.qa.debian.org/e/ebview.html* |
| *enca* | 1.9 | 1.10 | *http://gitorious.org/enca* |
| *gawk* | 3.1.6 | 3.1.7 | *http://www.gnu.org/software/gawk/gawk.html* |
| *grepmail* | 5.3033 | 5.3034 | *http://search.cpan.org/dist/grepmail/* |
| *hunspell-ak* | new | 0.3 | *http://kasahorow.org/content/akan-ns□mfuaasekyer□* |
| *hunspell-am* | new | 0.20090704 | *http://www.cs.ru.nl/~biniam/geez/index.php* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *hunspell-as* | new | 1.0.3 | *http://extensions.services.openoffice.org/project/AssameseDict* |
| *hunspell-be* | 0.1 | 1.1 | *http://extensions.services.openoffice.org/project/dict-be-official* |
| *hunspell-br* | 0.20030417 | 0.2 | *http://www.drouizig.org/* |
| *hunspell-ca* | 0.20090311 | 0.20090630 | *http://www.softcatala.org/wiki/Projectes/Corrector_ortogràfic* |
| *hunspell-cv* | new | 1.01 | *http://hunspell.chv.su/download.shtml* |
| *hunspell-da* | 1.7.27 | 1.7.29 | *http://da.speling.org/* |
| *hunspell-et* | new | 0.20030606 | *http://www.meso.ee/~jjpp/speller/* |
| *hunspell-fo* | 0.2.35 | 0.2.37 | *http://fo.speling.org/* |
| *hunspell-fr* | 2.3.2 | 3.4 | *http://www.dicollecte.org/home.php?prj=fr* |
| *hunspell-gd* | 0.1.1 | 1.0.0 | *http://www.sealgar.co.uk/spell.jsp* |
| *hunspell-hil* | 0.20050406 | 0.13 | *http://extensions.services.openoffice.org/project/hunspell-hil* |
| *hunspell-hu* | 1.4 | 1.5 | *http://magyarispell.sourceforge.net* |
| *hunspell-is* | 0.20060928 | 0.20090823 | *http://extensions.services.openoffice.org/project/dict-is* |
| *hunspell-kk* | new | 1.1 | *http://extensions.services.openoffice.org/project/dict-kk* |
| *hunspell-km* | 1.0.2 | 1.1 | *http://www.sbbic.org/* |
| *hunspell-kn* | new | 1.0.3 | *http://extensions.services.openoffice.org/project/kannada* |
| *hunspell-ko* | new | 0.3.3 | *http://code.google.com/p/spellcheck-ko/* |
| *hunspell-ky* | new | 0.20090415 | *http://borel.slu.edu/crubadan/* |
| *hunspell-ln* | new | 0.02 | *http://lingala.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *hunspell-lv* | 0.7.4 | 0.8.2 | *http://dict.dv.lv/* |
| *hunspell-mn* | 0.60.2 | 0.20080709 | *http://mnspell.openmn.org* |
| *hunspell-mos* | new | 0.20090806 | *http://www.abcburkina.net/content/view/377/48/lang,fr* |
| *hunspell-ne* | 20061217 | 20080425 | *http://nepalinux.org/downloads* |
| *hunspell-nl* | 1.00g | 1.10 | *http://www.opentaal.org/english.php* |
| *hunspell-pl* | 0.20090315 | 0.20090908 | *http://www.kurnik.pl/dictionary/* |
| *hunspell-pt* | 0.20090309 | 0.20090702 | *http://www.broffice.org/verortografico/baixar* |
| *hunspell-quh* | new | 0.20081017 | *http://www.runasimipi.org/blanco-en.php?file=desarrollar-orto* |
| *hunspell-se* | new | 1.0 | *http://www.divvun.no/index.html* |
| *hunspell-shs* | new | 0.20090828 | *http://secpewt.sd73.bc.ca/wordlist* |
| *hunspell-smj* | new | 1.0 | *http://www.divvun.no/index.html* |
| *hunspell-so* | new | 0.1.3 | *http://www.opensourcesomalia.org/index.php?page=hingaad-saxe* |
| *hunspell-sr* | 0.20080711 | 0.20090511 | *http://extensions.services.openoffice.org/project/dict-sr* |
| *hunspell-sv* | 1.30 | 1.39 | *http://dsso.se/* |
| *hunspell-ta* | 20060222 | 20090929 | *http://amachu.net* |
| *hunspell-ti* | new | 0.20090911 | *http://www.cs.ru.nl/~biniam/geez/index.php* |
| *hunspell-uk* | 1.5.7 | 1.6.0 | *http://sourceforge.net/projects/ispell-uk* |
| *hunspell-ur* | 0.6 | 0.64 | *http://urdudictionary.codeplex.com* |
| *hyphen-as* | new | 0.20090924 | *http://wiki.smc.org.in* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *hyphen-be* | new | 1.1 | *http://extensions.services.openoffice.org/project/dict-be-official* |
| *hyphen-bn* | new | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-ca* | 0.20030920 | 0.9.2 | *http://extensions.services.openoffice.org/project/ca_hyph* |
| *hyphen-cy* | new | 0.20080619 | *http://tug.org/tex-hyphen* |
| *hyphen-eu* | new | 0.20080628 | *http://tp.lc.ehu.es/jma/basque.html* |
| *hyphen-fo* | new | 0.20040420 | *http://fo.speling.org/* |
| *hyphen-fr* | 0.20080318 | 2.0 | *http://dicollecte.tuxfamily.org/home.php?prj=fr* |
| *hyphen-gl* | new | 0.99 | *https://forxa.mancomun.org/projects/hyphenation-gl* |
| *hyphen-gu* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-hi* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-hu* | 0.20081106 | 0.20090612 | *http://www.tipogral.hu/* |
| *hyphen-kn* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-ku* | new | 1.60 | *http://extensions.services.openoffice.org/project/kitandin* |
| *hyphen-lv* | 0.7.4 | 0.8.2 | *http://dict.dv.lv/* |
| *hyphen-ml* | 0.20090118 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-mr* | new | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-or* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-pa* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-sa* | 0.20081010 | 0.20090412 | *http://tug.org/tex-hyphen* |
| *hyphen-sr* | new | 0.20090511 | *http://extensions.services.openoffice.org/project/dict-sr* |
| *hyphen-ta* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *hyphen-te* | 0.20081213 | 0.20090924 | *http://wiki.smc.org.in* |
| *ipv6calc* | 0.71.0 | 0.72.2 | *http://www.deepspace6.net/projects/ipv6calc.html* |
| *kasumi* | 2.4 | 2.5 | *http://kasumi.sourceforge.jp/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kdesdk-utils* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *less* | 429 | 436 | *http://www.greenwoodsoftware.com/less/* |
| *libtasn1-tools* | 1.8 | 2.3 | *http://www.gnu.org/software/libtasn1/* |
| *m4* | 1.4.12 | 1.4.13 | *http://www.gnu.org/software/m4/* |
| *malaga-suomi-voikko* | 1.3 | 1.4 | *http://voikko.sourceforge.net/* |
| *mythes-da* | 0.1.9 | 0.20090522 | *http://synonym.oooforum.dk* |
| *mythes-de* | 0.20090402 | 0.20090708 | *http://www.openthesaurus.de* |
| *mythes-es* | 0.20090406 | 0.20090908 | *http://openthes-es.berlios.de* |
| *mythes-hu* | new | 0.20090918 | *http://extensions.services.openoffice.org/project/hu_dicts* |
| *mythes-nl* | 0.20090325 | 0.20090708 | *http://www.opentaal.org/opentaalbank/thesaurus* |
| *mythes-sk* | 0.20090402 | 0.20090907 | *http://www.sk-spell.sk.cx/thesaurus/* |
| *mythes-sl* | 0.20090328 | 0.20090908 | *http://www.tezaver.si/* |
| *mythes-sv* | 0.20090225 | 1.2 | *http://extensions.services.openoffice.org/project/SweThes* |
| *mythes-uk* | 1.5.7 | 1.6.0 | *http://sourceforge.net/projects/ispell-uk* |
| *poppler-utils* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *publican* | 0.44 | 1.1 | *https://publican.fedorahosted.org* |
| *sed* | 4.1.5 | 4.2.1 | *http://sed.sourceforge.net/* |
| *sphinx* | new | 0.9.8.1 | *http://sphinxsearch.com* |
| *t1lib-apps* | new | 5.1.2 | *ftp://sunsite.unc.edu/pub/Linux/libs/graphics/t1lib-5.1.2.lsm* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *voikko-tools* | 2.1 | 2.2.1 | *http://voikko.sourceforge.net/* |
| *wklej* | 0.1.6 | 0.1.7 | *http://wklej.org/* |
| *wklej-vim* | 0.1.6 | 0.1.7 | *http://wklej.org/* |
| *wordnet* | new | 3.0 | *http://wordnet.princeton.edu* |
| *xiphos* | new | 3.1.1 | *http://xiphos.sourceforge.net/* |
| *xmlfy* | new | 1.5.0 | *http://xmlfy.sourceforge.net/* |

Table 22. All Applications-Text changes

| | |
|---|---|
| Packages changed | 128 |
| Packages unchanged | 262 |
| Total packages | 390 |

## 8.3. Desktop-Accessibility

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *dasher* | 4.10.0 | 4.10.1 | *http://www.gnome.org/* |
| *gnome-mag* | 0.15.6 | 0.15.9 | *http://www.gnome.org/* |

Table 23. All Desktop-Accessibility changes

| | |
|---|---|
| Packages changed | 2 |
| Packages unchanged | 1 |
| Total packages | 3 |

## 8.4. Development

### 8.4.1. Development-Build Tools

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ant-findbugs* | 1.3.8 | 1.3.9 | *http://findbugs.sourceforge.net/* |
| *maven2* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-ant* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-antlr* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-antrun* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *maven2-plugin-assembly* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-changelog* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-changes* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-checkstyle* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-clean* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-compiler* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-dependency* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-deploy* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-doap* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-docck* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-ear* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-eclipse* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-ejb* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-enforcer* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-gpg* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-help* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-idea* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-install* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-invoker* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-jar* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-javadoc* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *maven2-plugin-one* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-plugin* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-pmd* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-project-info-reports* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-rar* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-remote-resources* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-repository* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-resources* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-site* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-source* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-stage* | new | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-verifier* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-plugin-war* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |

Table 24. All Development-Build_Tools changes

| | |
|---|---|
| Packages changed | 39 |
| Packages unchanged | 20 |
| Total packages | 59 |

### 8.4.2. Development-Debuggers

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *crash* | 4.0 | 4.0.9 | *http://people.redhat.com/anderson* |
| *crash-devel* | 4.0 | 4.0.9 | *http://people.redhat.com/anderson* |
| *edb* | 0.9.8 | 0.9.10 | *http://www.codef00.com/projects.php#Debugger* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *emacs-pydb* | 1.25 | 1.26 | *http://bashdb.sourceforge.net/pydb* |
| *gdb* | 6.8.50.20090302 | 7.0 | *http://gnu.org/software/gdb/* |
| *gdb-gdbserver* | 6.8.50.20090302 | 7.0 | *http://gnu.org/software/gdb/* |
| *gpsim* | 0.23.0 | 0.24.0 | *http://gpsim.sourceforge.net/gpsim.html* |
| *latrace* | new | 0.5.7 | *http://people.redhat.com/jolsa/latrace* |
| *lsof* | 4.81 | 4.82 | *ftp://lsof.itap.purdue.edu/pub/tools/unix/lsof* |
| *nemiver* | 0.6.6 | 0.7.2 | *http://projects.gnome.org/nemiver* |
| *pydb* | 1.25 | 1.26 | *http://bashdb.sourceforge.net/pydb* |
| *pylint* | 0.16.0 | 0.18.1 | *http://www.logilab.org/projects/pylint* |
| *pylint-gui* | 0.16.0 | 0.18.1 | *http://www.logilab.org/projects/pylint* |
| *strace* | 4.5.18 | 4.5.19 | *http://sourceforge.net/projects/strace/* |
| *valgrind* | 3.4.1 | 3.5.0 | *http://www.valgrind.org/* |
| *valgrind-devel* | 3.4.1 | 3.5.0 | *http://www.valgrind.org/* |

Table 25. All Development-Debuggers changes

| | |
|---|---|
| Packages changed | 16 |
| Packages unchanged | 14 |
| Total packages | 30 |

### 8.4.3. Development-Documentation

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *automaton-javadoc* | 1.11r1 | 1.11r2 | *http://www.brics.dk/automaton/* |
| *bsf-javadoc* | 2.3.0 | 2.4.0 | *http://jakarta.apache.org/bsf/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *findbugs-javadoc* | 1.3.8 | 1.3.9 | *http://findbugs.sourceforge.net/* |
| *flute-javadoc* | 1.3 | 1.3.0 | *http://www.w3.org/Style/CSS/SAC/* |
| *gnu-getopt-javadoc* | 1.0.12 | 1.0.13 | *http://www.urbanophile.com/arenn/hacking/download.html* |
| *icu4j-javadoc* | 3.8.1 | 4.0.1 | *http://www-306.ibm.com/software/globalization/icu/index.jsp* |
| *java-augeas-javadoc* | new | 0.0.1 | *http://augeas.net/* |
| *jcommon-javadoc* | 1.0.15 | 1.0.16 | *http://www.jfree.org/jcommon* |
| *jdepend-javadoc* | 2.6 | 2.9 | *http://www.clarkware.com/* |
| *jsch-demo* | 0.1.39 | 0.1.41 | *http://www.jcraft.com/jsch/* |
| *jsch-javadoc* | 0.1.39 | 0.1.41 | *http://www.jcraft.com/jsch/* |
| *kdelibs-apidocs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdepimlibs-apidocs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *libvirt-java-javadoc* | 0.2.1 | 0.3.0 | *http://libvirt.org/* |
| *maven-doxia-javadoc* | new | 1.0 | *http://maven.apache.org/doxia/* |
| *maven-surefire-javadoc* | new | 2.3 | *http://maven.apache.org/surefire/* |
| *maven-wagon-javadoc* | new | 1.0 | *http://maven.apache.org/wagon* |
| *maven2-javadoc* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *maven2-manual* | 2.0.4 | 2.0.8 | *http://maven.apache.org/* |
| *plexus-maven-plugin-javadoc* | 1.2 | 1.3.5 | *http://plexus.codehaus.org/* |
| *plexus-velocity-javadoc* | 1.1.2 | 1.1.7 | *http://plexus.codehaus.org/* |
| *qdox-javadoc* | 1.6.1 | 1.9.2 | *http://qdox.codehaus.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *soprano-apidocs* | 2.2.3 | 2.3.1 | *http://sourceforge.net/projects/soprano* |
| *svnkit-javadoc* | 1.2.3 | 1.3.0 | *http://www.svnkit.com/* |
| *writer2latex-javadoc* | 0.5.0.2 | 1.0 | *http://writer2latex.sourceforge.net/* |

Table 26. All Development-Documentation changes

| | |
|---|---|
| Packages changed | 25 |
| Packages unchanged | 103 |
| Total packages | 128 |

### 8.4.4. Development-Java

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *maven-jxr* | 1.0 | 2.1 | *http://maven.apache.org/doxia/* |
| *maven-surefire* | 1.5.3 | 2.3 | *http://maven.apache.org/surefire/* |
| *maven-surefire-maven-plugin* | new | 2.3 | *http://maven.apache.org/surefire/* |
| *maven-surefire-provider-junit* | new | 2.3 | *http://maven.apache.org/surefire/* |
| *maven-surefire-provider-junit4* | new | 2.3 | *http://maven.apache.org/surefire/* |
| *maven-surefire-report-maven-plugin* | new | 2.3 | *http://maven.apache.org/surefire/* |
| *plexus-maven-plugin* | 1.2 | 1.3.5 | *http://plexus.codehaus.org/* |
| *plexus-velocity* | 1.1.2 | 1.1.7 | *http://plexus.codehaus.org/* |

Table 27. All Development-Java changes

| | |
|---|---|
| Packages changed | 8 |
| Packages unchanged | 41 |
| Total packages | 49 |

### 8.4.5. Development-Languages

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *Django* | 1.0.2 | 1.1 | *http://www.djangoproject.com/* |
| *Django-south* | new | 0.6 | *http://south.aeracode.org* |
| *Falcon* | 0.8.14.2 | 0.9.4.2 | *http://www.falconpl.org/* |
| *PyKDE* | 3.16.2 | 3.16.3 | *http://www.riverbankcomputing.com/software/pykde/intro* |
| *PyKDE-devel* | 3.16.2 | 3.16.3 | *http://www.riverbankcomputing.com/software/pykde/intro* |
| *PyKDE4* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *PyKDE4-akonadi* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *PyKDE4-devel* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *PyQt* | 3.17.6 | 3.18.1 | *http://www.riverbankcomputing.com/pyqt/* |
| *PyQt-devel* | 3.17.6 | 3.18.1 | *http://www.riverbankcomputing.com/pyqt/* |
| *PyQt-examples* | 3.17.6 | 3.18.1 | *http://www.riverbankcomputing.com/pyqt/* |
| *PyQt4* | 4.4.4 | 4.5.4 | *http://www.riverbankcomputing.com/software/pyqt/* |
| *PyQt4-devel* | 4.4.4 | 4.5.4 | *http://www.riverbankcomputing.com/software/pyqt/* |
| *PyQwt* | 5.1.0 | 5.2.0 | *http://pyqwt.sourceforge.net/* |
| *PyQwt-devel* | 5.1.0 | 5.2.0 | *http://pyqwt.sourceforge.net/* |
| *QtRuby* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *QtRuby-devel* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *R2spec* | 2.5.2 | 2.5.3 | *https://fedorahosted.org/r2spec/* |
| *ant-scala* | 2.7.3 | 2.7.5 | *http://www.scala-lang.org/* |
| *bash-doc* | 4.0 | 4.0.33 | *http://www.gnu.org/software/bash* |
| *bigloo* | 3.1b | 3.2b | *http://www-sop.inria.fr/mimosa/fp/Bigloo* |
| *bigloo-doc* | 3.1b | 3.2b | *http://www-sop.inria.fr/mimosa/fp/Bigloo* |
| *bigloo-emacs* | 3.1b | 3.2b | *http://www-sop.inria.fr/mimosa/fp/Bigloo* |
| *bigloo-xemacs* | 3.1b | 3.2b | *http://www-sop.inria.fr/mimosa/fp/Bigloo* |
| *boo* | 0.8.1.2865 | 0.9.2.3383 | *http://boo.codehaus.org* |
| *bytefx-data-mysql* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *cabal2spec* | 0.12 | 0.17 | *https://fedorahosted.org/cabal2spec/* |
| *clutter-gst* | 0.8.0 | 0.10.0 | *http://www.clutter-project.org* |
| *clutter-gtk* | 0.8.2 | 0.10.2 | *http://www.clutter-project.org* |
| *cpp* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *cppcheck* | new | 1.36 | *http://cppcheck.wiki.sourceforge.net/* |
| *cpphs* | 1.6 | 1.9 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs* |
| *cups-php* | 1.4 | 1.4.1 | *http://www.cups.org/* |
| *django-authority* | new | 0.3 | *http://bitbucket.org/jezdez/django-authority/* |
| *django-filter* | new | 0.5.0 | *http://pypi.python.org/pypi/django-filter* |
| *django-piston* | new | 0.2.2 | *http://bitbucket.org/jespern/django-piston/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *django-profile* | new | 0.6 | *http://code.google.com/p/django-profile/* |
| *django-sorting* | new | 0.1 | *http://pypi.python.org/pypi/django-sorting* |
| *easymock2* | new | 2.5 | *http://easymock.org/* |
| *ecl* | 0.9l | 9.8.1 | *http://ecls.sourceforge.net* |
| *eclipse-findbugs* | 1.3.8 | 1.3.9 | *http://findbugs.sourceforge.net/* |
| *eclipse-findbugs-contrib* | new | 4.0.0 | *http://fb-contrib.sourceforge.net/* |
| *eclipse-rcp* | 3.4.2 | 3.5.1 | *http://www.eclipse.org/* |
| *eina-devel* | 0.7.3 | 0.8.0 | *http://eina.sourceforge.net/* |
| *empathy-python* | 2.26.1 | 2.28.1.1 | *http://live.gnome.org/Empathy* |
| *erlang* | R12B | R13B | *http://www.erlang.org* |
| *erlang-doc* | R12B | R13B | *http://www.erlang.org* |
| *erlang-eradius* | new | 0 | *http://jungerl.sourceforge.net/* |
| *etoys* | 4.0.2206 | 4.0.2332 | *http://squeakland.org/* |
| *fedora-devshell* | new | 0.1.1 | *https://fedorahosted.org/fedora-devshell/* |
| *findbugs* | 1.3.8 | 1.3.9 | *http://findbugs.sourceforge.net/* |
| *findbugs-contrib* | new | 4.0.0 | *http://fb-contrib.sourceforge.net/* |
| *findbugs-contrib-samples* | new | 4.0.0 | *http://fb-contrib.sourceforge.net/* |
| *findbugs-tools* | 1.3.8 | 1.3.9 | *http://findbugs.sourceforge.net/* |
| *fpc* | 2.2.2 | 2.2.4 | *http://www.freepascal.org/* |
| *fpc-src* | 2.2.2 | 2.2.4 | *http://www.freepascal.org/* |
| *gauche* | 0.8.13 | 0.8.14 | *http://www.shiro.dreamhost.com/scheme/gauche* |
| *gauche-devel* | 0.8.13 | 0.8.14 | *http://www.shiro.dreamhost.com/scheme/gauche* |
| *gcc* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gcc-c++* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *gcc-gfortran* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *gcc-gnat* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *gcc-java* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *gcc-objc* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *gcc-objc++* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *gcl-selinux* | new | 2.6.8 | *http://www.gnu.org/software/gcl/* |
| *ghc* | 6.10.1 | 6.10.4 | *http://haskell.org/ghc/* |
| *ghc-doc* | 6.10.1 | 6.10.4 | *http://haskell.org/ghc/* |
| *ghdl* | 0.27 | 0.28 | *http://ghdl.free.fr/* |
| *gnome-python2* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-applet* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-bonobo* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-brasero* | new | 2.28.0 | n/a |
| *gnome-python2-bugbuddy* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-canvas* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-desktop* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-devel* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-evince* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-evolution* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-gconf* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-gnome* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-gnomedesktop* | 2.26.0 | 2.28.0 | n/a |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-python2-gnomekeyring* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-gnomeprint* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-gnomevfs* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/gnome-python/* |
| *gnome-python2-gtksourceview* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-libgtop2* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-libwnck* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-metacity* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-rsvg* | 2.26.0 | 2.28.0 | n/a |
| *gnome-python2-totem* | 2.26.0 | 2.28.0 | n/a |
| *gputils* | 0.13.6 | 0.13.7 | *http://gputils.sourceforge.net* |
| *gstreamer-python* | 0.10.14 | 0.10.16 | *http://gstreamer.freedesktop.org/* |
| *gtk-sharp2-gapi* | 2.12.7 | 2.12.9 | *http://gtk-sharp.sf.net* |
| *guile* | 1.8.6 | 1.8.7 | *http://www.gnu.org/software/guile/* |
| *gupnp-vala* | 0.5.3 | 0.6 | *http://www.gupnp.org/* |
| *hamster-applet* | 2.26.0 | 2.28.1 | *http://code.google.com/p/projecthamster/* |
| *ibm-data-db2* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *kaya* | 0.5.1 | 0.5.2 | *http://kayalang.org* |
| *kimono* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *korundum* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *korundum-devel* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *kross-python* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kross-ruby* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *lekhonee-lib* | new | 0.7 | *http://fedorahosted.org/lekhonee* |
| *libgcj-devel* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *llvm* | 2.5 | 2.6 | *http://llvm.org/* |
| *llvm-devel* | 2.5 | 2.6 | *http://llvm.org/* |
| *llvm-doc* | 2.5 | 2.6 | *http://llvm.org/* |
| *mapserver-java* | 5.2.1 | 5.4.2 | *http://mapserver.gis.umn.edu* |
| *mapserver-perl* | 5.2.1 | 5.4.2 | *http://mapserver.gis.umn.edu* |
| *mapserver-python* | 5.2.1 | 5.4.2 | *http://mapserver.gis.umn.edu* |
| *mingw32-cpp* | 4.4.0 | 4.4.1 | *http://gcc.gnu.org* |
| *mingw32-gcc* | 4.4.0 | 4.4.1 | *http://gcc.gnu.org* |
| *mingw32-gcc-c++* | 4.4.0 | 4.4.1 | *http://gcc.gnu.org* |
| *mingw32-gcc-gfortran* | 4.4.0 | 4.4.1 | *http://gcc.gnu.org* |
| *mingw32-gcc-objc* | 4.4.0 | 4.4.1 | *http://gcc.gnu.org* |
| *mingw32-gcc-objc++* | 4.4.0 | 4.4.1 | *http://gcc.gnu.org* |
| *mingw32-tcl* | new | 8.5.7 | *http://tcl.sourceforge.net/* |
| *mono-basic* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *mono-core* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-data* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-data-firebird* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-data-oracle* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-data-postgresql* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-data-sqlite* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-data-sybase* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mono-devel* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-extras* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-jscript* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-locale-extras* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-nunit* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-tools-devel* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *mono-wcf* | new | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-web* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-web-devel* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-winforms* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mono-zeroconf* | 0.7.6 | 0.9.0 | *http://banshee-project.org/files/mono-zeroconf* |
| *monsoon* | 0.20 | 0.21 | *http://www.monsoon-project.com* |
| *msp430-gcc* | new | 3.2.3 | *http://mspgcc.sf.net/* |
| *nasm* | 2.05.01 | 2.07 | *http://nasm.sourceforge.net/* |
| *nasm-doc* | 2.05.01 | 2.07 | *http://nasm.sourceforge.net/* |
| *nickle* | 2.68 | 2.69 | *http://nickle.org* |
| *nickle-devel* | 2.68 | 2.69 | *http://nickle.org* |
| *ocaml* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-camlp4* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-camlp4-devel* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-docs* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-emacs* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-ocamldoc* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-source* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *odfpy* | 0.8 | 0.9 | *http://forge.osor.eu/projects/odfpy/* |
| *oorexx* | 3.2.0 | 4.0.0 | *http://www.oorexx.org* |
| *oorexx-devel* | 3.2.0 | 4.0.0 | *http://www.oorexx.org* |
| *oorexx-docs* | 3.2.0 | 4.0.0 | *http://www.oorexx.org* |
| *papyon* | new | 0.4.2 | *http://telepathy.freedesktop.org/wiki/Papyon* |
| *pcc* | new | 0.9.9 | *http://pcc.ludd.ltu.se/* |
| *perl-Test-Simple* | 0.86 | 0.92 | *http://www.perl.org/* |
| *php* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-bcmath* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-channel-doctrine* | new | 1.0.0 | *http://www.doctrine-project.com/* |
| *php-cli* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-common* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-dba* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-eaccelerator* | 0.9.5.3 | 0.9.6 | *http://eaccelerator.net/* |
| *php-facedetect* | new | 1.0.0 | *http://www.xarg.org/project/php-facedetect/* |
| *php-gd* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-imap* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-interbase* | new | 5.3.0 | *http://www.php.net/* |
| *php-ldap* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-mapserver* | 5.2.1 | 5.4.2 | *http://mapserver.gis.umn.edu* |
| *php-markdown* | new | 1.0.1m | *http://michelf.com/projects/php-markdown/* |
| *php-mbstring* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-mcrypt* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-mssql* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-mysql* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-odbc* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-pdo* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-pear* | 1.7.2 | 1.9.0 | *http://pear.php.net/package/PEAR* |
| *php-pear-Crypt-CHAP* | 1.0.1 | 1.0.2 | *http://pear.php.net/package/Crypt_CHAP* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *php-pear-File-Passwd* | 1.1.6 | 1.1.7 | *http://pear.php.net/package/File_Passwd* |
| *php-pear-File-SMBPasswd* | 1.0.2 | 1.0.3 | *http://pear.php.net/package/File_SMBPasswd* |
| *php-pear-Net-POP3* | 1.3.6 | 1.3.7 | *http://pear.php.net/package/Net_POP3* |
| *php-pear-Net-UserAgent-Detect* | 2.5.0 | 2.5.1 | *http://pear.php.net/package/Net_UserAgent_Detect* |
| *php-pear-Numbers-Words* | 0.15.0 | 0.16.1 | *http://pear.php.net/package/Numbers_Words* |
| *php-pecl-apc* | 3.0.19 | 3.1.3p1 | *http://pecl.php.net/package/APC* |
| *php-pecl-geoip* | new | 1.0.7 | *http://pecl.php.net/package/geoip* |
| *php-pecl-lzf* | new | 1.5.2 | *http://pecl.php.net/package/LZF* |
| *php-pecl-mailparse* | 2.1.4 | 2.1.5 | *http://pecl.php.net/package/mailparse* |
| *php-pecl-memcached* | new | 1.0.0 | *http://pecl.php.net/package/memcached* |
| *php-pecl-ncurses* | new | 1.0.0 | *http://pecl.php.net/package/ncurses* |
| *php-pecl-selinux* | 0.1.2 | 0.3.1 | *http://pecl.php.net/package/selinux* |
| *php-pecl-xdebug* | 2.0.3 | 2.0.5 | *http://pecl.php.net/package/xdebug* |
| *php-pgsql* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-process* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-qt* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *php-qt-devel* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *php-snmp* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-soap* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-tidy* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-xml* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-xmlrpc* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-zts* | 5.2.9 | 5.3.0 | *http://www.php.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pl* | 5.7.6 | 5.7.11 | *http://www.swi-prolog.org* |
| *pl-devel* | 5.7.6 | 5.7.11 | *http://www.swi-prolog.org* |
| *pl-jpl* | 5.7.6 | 5.7.11 | *http://www.swi-prolog.org* |
| *pl-static* | 5.7.6 | 5.7.11 | *http://www.swi-prolog.org* |
| *poedit* | 1.4.2 | 1.4.3 | *http://www.poedit.net/* |
| *polyml* | 5.2 | 5.2.1 | *http://www.polyml.org* |
| *polyml-doc* | 5.2 | 5.2.1 | *http://www.polyml.org* |
| *protobuf-python* | 2.0.2 | 2.2.0 | *http://code.google.com/p/protobuf/* |
| *pybluez* | 0.15 | 0.16 | *http://code.google.com/p/pybluez/* |
| *pycairo* | 1.8.2 | 1.8.6 | *http://cairographics.org/pycairo* |
| *pyclutter* | 0.8.2 | 0.9.2 | *http://www.clutter-project.org/* |
| *pyclutter-gst* | 0.8.2 | 0.9.2 | *http://www.clutter-project.org/* |
| *pyclutter-gtk* | 0.8.2 | 0.9.2 | *http://www.clutter-project.org/* |
| *pycolumnize* | new | 0.3.2 | *http://code.google.com/p/pycolumnize/* |
| *pyexiv2* | 0.1.2 | 0.1.3 | *http://tilloy.net/dev/pyexiv2/* |
| *pyfits* | 1.3 | 2.2 | *http://www.stsci.edu/resources/software_hardware/pyfits* |
| *pygobject2* | 2.16.1 | 2.20.0 | *http://www.pygtk.org/* |
| *pygobject2-codegen* | 2.16.1 | 2.20.0 | *http://www.pygtk.org/* |
| *pygobject2-devel* | 2.16.1 | 2.20.0 | *http://www.pygtk.org/* |
| *pygobject2-doc* | 2.16.1 | 2.20.0 | *http://www.pygtk.org/* |
| *pygoocanvas* | 0.13.1 | 0.14.0 | *http://live.gnome.org/PyGoocanvas* |
| *pygoocanvas-devel* | 0.13.1 | 0.14.0 | *http://live.gnome.org/PyGoocanvas* |
| *pygtk2* | 2.14.1 | 2.16.0 | *http://www.pygtk.org/* |
| *pygtk2-codegen* | 2.14.1 | 2.16.0 | *http://www.pygtk.org/* |
| *pygtk2-devel* | 2.14.1 | 2.16.0 | *http://www.pygtk.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pygtk2-doc* | 2.14.1 | 2.16.0 | *http://www.pygtk.org/* |
| *pygtk2-libglade* | 2.14.1 | 2.16.0 | *http://www.pygtk.org/* |
| *pygtksourceview* | 2.4.0 | 2.8.0 | *http://download.gnome.org/sources/pygtksourceview/* |
| *pygtksourceview-devel* | 2.4.0 | 2.8.0 | *http://download.gnome.org/sources/pygtksourceview/* |
| *pygtksourceview-doc* | 2.4.0 | 2.8.0 | *http://download.gnome.org/sources/pygtksourceview/* |
| *pymssql* | 1.0.1 | 1.0.2 | *http://pymssql.sourceforge.net/* |
| *pyodbc* | 2.1.4 | 2.1.5 | *http://code.google.com/p/pyodbc/* |
| *pysvn* | 1.6.3 | 1.7.0 | *http://pysvn.tigris.org/* |
| *pytc* | 0.7 | 0.8 | *http://pypi.python.org/pypi/pytc* |
| *python* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *python-BeautifulSoup* | 3.1.0.1 | 3.0.7a | *http://www.crummy.com/software/BeautifulSoup/* |
| *python-Coherence* | 0.6.2 | 0.6.4 | *https://coherence.beebits.net/* |
| *python-GeoIP* | 1.2.4 | 1.2.5 | *http://www.maxmind.com/download/geoip/api/python/* |

Table 28. All Development-Languages changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-Traits* | 3.0.2 | 3.1.0 | *http://code.enthought.com/projects/traits/* |
| *python-TraitsBackendQt* | 3.0.3 | 3.1.0 | *http://pypi.python.org/pypi/TraitsBackendQt/3.1.0* |
| *python-ZConfig* | new | 2.7.1 | *http://www.zope.org/Members/fdrake/zconfig/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-achoo* | new | 1.0 | *http://web.quuxo.com/products/achoo/* |
| *python-alsa* | 1.0.17 | 1.0.21 | *http://www.alsa-project.org/* |
| *python-alsaaudio* | 0.4 | 0.5 | *http://sourceforge.net/projects/pyalsaaudio* |
| *python-application* | new | 1.1.5 | *http://pypi.python.org/pypi/python-application* |
| *python-arm4* | new | 1.2 | *http://www.arm4.org/* |
| *python-beaker* | 1.3 | 1.3.1 | *http://beaker.groovie.org/* |
| *python-bitarray* | new | 0.3.5 | *http://pypi.python.org/pypi/bitarray/* |
| *python-boto* | 1.5c | 1.8d | *http://code.google.com/p/boto/* |
| *python-cclib* | new | 0.91 | *http://cclib.sourceforge.net/* |
| *python-ctags* | new | 1.0.5 | *http://code.google.com/p/python-ctags/* |
| *python-daemon* | new | 1.4.6 | *http://pypi.python.org/pypi/python-daemon/* |
| *python-decorator* | 2.3.2 | 3.0.1 | *http://www.phyast.pitt.edu/~micheles/python/documentation.html* |
| *python-dns* | 1.6.0 | 1.7.1 | *http://www.dnspython.org/* |
| *python-fedora* | 0.3.12 | 0.3.16 | *https://fedorahosted.org/python-fedora/* |
| *python-firkin* | new | 0.02 | *http://www.florian-diesch.de/software/firkin/* |
| *python-foolscap* | new | 0.4.2 | *http://foolscap.lothar.com* |
| *python-gammu* | 1.23.92 | 1.25.0 | *http://cihar.com/gammu/* |
| *python-gdata* | 1.3.0 | 2.0.2 | *http://code.google.com/p/gdata-python-client/* |
| *python-gnutls* | new | 1.1.9 | *http://pypi.python.org/pypi/python-gnutls* |
| *python-gpod* | 0.7.0 | 0.7.2 | *http://www.gtkpod.org/libgpod.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-hash_ring* | new | 1.2 | *http://pypi.python.org/pypi/hash_ring* |
| *python-igraph* | 0.5.1 | 0.5.2 | *http://pypi.python.org/pypi/igraph-0.5.2* |
| *python-jinja2* | 2.1.1 | 2.2.1 | *http://jinja.pocoo.org/* |
| *python-json* | 3.4 | dropped | *https://sourceforge.net/projects/json-py/* |
| *python-kaa-base* | 0.4.0 | 0.6.0 | *http://www.freevo.org/kaa* |
| *python-kaa-display* | new | 0.1.0 | *http://www.freevo.org/kaa* |
| *python-kaa-metadata* | 0.7.5 | 0.7.7 | *http://www.freevo.org/kaa* |
| *python-line_profiler* | new | 1.0 | *http://packages.python.org/line_profiler* |
| *python-lockfile* | new | 0.8 | *http://pypi.python.org/pypi/lockfile* |
| *python-logilab-astng* | 0.17.4 | 0.19.1 | *http://www.logilab.org/projects/astng/* |
| *python-markdown* | 1.7 | 2.0.1 | *http://www.freewisdom.org/projects/python-markdown/* |
| *python-markdown2* | 1.0.1.11 | 1.0.1.15 | *http://code.google.com/p/python-markdown2/* |
| *python-migrate* | 0.5.1.2 | 0.5.3 | *http://code.google.com/p/sqlalchemy-migrate/* |
| *python-mutagen* | 1.15 | 1.16 | *http://code.google.com/p/mutagen* |
| *python-mwlib* | 0.9.10 | 0.11.2 | *http://code.pediapress.com/* |
| *python-nss* | 0.1 | 0.8 | *:pserver:anonymous@cvs-mirror.mozilla.org:/cvsroot/mozilla/security/python/nss* |
| *python-numdisplay* | 1.5.3 | 1.5.4 | *http://stsdas.stsci.edu/numdisplay* |
| *python-offtrac* | new | 0.0.3 | *http://fedorahosted.org/offtrac* |
| *python-paida* | new | 3.2.1_2.10.1 | *http://paida.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-pefile* | new | 1.2.10_63 | *http://code.google.com/p/pefile/* |
| *python-polib* | 0.4.0 | 0.4.2 | *http://code.google.com/p/polib/* |
| *python-posix_ipc* | new | 0.5.3 | *http://semanchuk.com/philip/posix_ipc/* |
| *python-py* | 0.9.2 | 1.0.2 | *http://codespeak.net/py/dist/* |
| *python-pytools* | new | 8 | *http://pypi.python.org/pypi/pytools* |
| *python-repoze-what* | new | 1.0.8 | *http://pypi.python.org/pypi/repoze.what* |
| *python-repoze-what-plugins-sql* | new | 1.0 | *http://code.gustavonarea.net/repoze.what.plugins.sql/* |
| *python-repoze-what-pylons* | new | 1.0 | *http://code.gustavonarea.net/repoze.what-pylons/* |
| *python-repoze-what-quickstart* | new | 1.0.1 | *http://code.gustavonarea.net/repoze.what-pylons/* |
| *python-repoze-who* | new | 1.0.13 | *http://pypi.python.org/pypi/repoze.who* |
| *python-repoze-who-friendlyform* | new | 1.0 | *http://code.gustavonarea.net/repoze.who-friendlyform/* |
| *python-repoze-who-plugins-sa* | new | 1.0 | *http://code.gustavonarea.net/repoze.who.plugins.sa* |
| *python-repoze-who-testutil* | new | 1.0 | *http://code.gustavonarea.net/repoze.who-testutil/* |
| *python-rope* | 0.9.1 | 0.9.2 | *http://rope.sourceforge.net/* |
| *python-routes* | 1.10.1 | 1.10.3 | *http://routes.groovie.org/* |
| *python-shove* | 0.1.3 | 0.2.1 | *http://pypi.python.org/pypi/shove/* |
| *python-simpy* | 2.0 | 2.0.1 | *http://simpy.sourceforge.net* |
| *python-sprox* | new | 0.6.3 | *http://sprox.org* |
| *python-sqlite2* | 2.3.3 | 2.3.5 | *http://pysqlite.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-sqlparse* | new | 0.1.1 | *http://code.google.com/p/python-sqlparse/* |
| *python-storm* | 0.14 | 0.15 | *https://storm.canonical.com/* |
| *python-sybase* | new | 0.39 | *http://python-sybase.sourceforge.net/* |
| *python-telepathy* | 0.15.7 | 0.15.11 | *http://telepathy.freedesktop.org/wiki/* |
| *python-tempita* | 0.3 | 0.4 | *http://pythonpaste.org/tempita/* |
| *python-test* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *python-testosterone* | new | 0.4.1 | *http://code.google.com/p/testosterone/* |
| *python-tgext-admin* | new | 0.2.5 | *http://pypi.python.org/pypi/tgext.admin/* |
| *python-tgext-crud* | new | 0.2.4 | *http://pypi.python.org/pypi/tgext.crud/* |
| *python-toscawidgets* | 0.9.4 | 0.9.8 | *http://toscawidgets.org/* |
| *python-tw-forms* | 0.9.2 | 0.9.8 | *http://toscawidgets.org/* |
| *python-tw-jquery* | new | 0.9.5 | *http://toscawidgets.org* |
| *python-urllib2_kerberos* | new | 0.1.6 | *http://pypi.python.org/pypi/urllib2_kerberos/* |
| *python-virtualenv* | 1.3.2 | 1.3.3 | *http://pypi.python.org/pypi/virtualenv* |
| *python-webflash* | new | 0.1 | *http://python-rum.org/wiki/WebFlash* |
| *python-webtest* | 1.1 | 1.2 | *http://pythonpaste.org/webtest/* |
| *python-wokkel* | 0.4.0 | 0.6.3 | *http://wokkel.ik.nu* |
| *python-wsgiref* | new | 0.1.2 | *http://pypi.python.org/pypi/wsgiref* |
| *python-xklavier* | new | 0.2 | *http://download.sugarlabs.org/sources/external/python-xklavier/* |
| *python-xmpp* | 0.4.1 | 0.5.0 | *http://xmpppy.sourceforge.net/* |
| *python-zc-lockfile* | new | 1.0.0 | *http://pypi.python.org/pypi/zc.lockfile/* |
| *python-zope-event* | new | 3.4.1 | *http://pypi.python.org/pypi/zope.event/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-zope-sqlalchemy* | 0.3 | 0.4 | *http://pypi.python.org/pypi/zope.sqlalchemy* |
| *python-zope-testing* | new | 3.7.3 | *http://pypi.python.org/pypi/zope.testing* |
| *pytrainer* | 1.6.0.7 | 1.6.0.8 | *https://sourceforge.net/projects/pytrainer/* |
| *pywebdav* | 0.8 | 0.9.3 | *http://www.webdav.de/* |
| *pywebkitgtk* | 1.0.1 | 1.1.6 | *http://code.google.com/p/pywebkitgtk/* |
| *qmforge* | new | 2.1 | *http://qmforge.sourceforge.net/* |
| *qyoto* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *qyoto-devel* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *rakudo* | new | 0.0.2009.09_1.6.0 | *http://www.rakudo.org/* |
| *rb_libtorrent-python* | 0.14.2 | 0.14.4 | *http://www.rasterbar.com/products/libtorrent/* |
| *rrdtool-perl* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *rrdtool-php* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *rrdtool-python* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *rrdtool-ruby* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *rrdtool-tcl* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *ruby* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *ruby-RMagick* | 2.9.1 | 2.12.2 | *http://rmagick.rubyforge.org/* |
| *ruby-augeas* | 0.2.0 | 0.3.0 | *http://augeas.net* |
| *ruby-aws* | 0.5.1 | 0.7.0 | *http://www.caliban.org/ruby/ruby-aws/* |
| *ruby-devel* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *ruby-flexmock* | 0.7.1 | 0.8.6 | *http://flexmock.rubyforge.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ruby-gettext-package* | 2.0.0 | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext* |
| *ruby-htmlentities* | 4.0.0 | 4.2.0 | *http://htmlentities.rubyforge.org/* |
| *ruby-icon-artist* | new | 0.1.91 | *https://fedorahosted.org/echo-icon-theme/* |
| *ruby-irb* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *ruby-json* | new | 1.1.7 | *http://json.rubyforge.org* |
| *ruby-locale* | 2.0.0 | 2.0.4 | *http://locale.rubyforge.org/* |
| *ruby-mechanize* | 0.9.2 | 0.9.3 | *http://mechanize.rubyforge.org/* |
| *ruby-nokogiri* | 1.2.3 | 1.3.3 | *http://nokogiri.rubyforge.org/nokogiri/* |
| *ruby-opengl* | new | 0.60.1 | *http://ruby-opengl.rubyforge.org/* |
| *ruby-rdoc* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *ruby-sqlite3* | 1.2.1 | 1.2.4 | *http://sqlite-ruby.rubyforge.org/sqlite3* |
| *ruby-tcltk* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *rubygem-RedCloth* | new | 4.1.9 | *http://redcloth.org* |
| *rubygem-actionmailer* | 2.3.2 | 2.3.4 | *http://www.rubyonrails.org* |
| *rubygem-actionpack* | 2.3.2 | 2.3.4 | *http://www.rubyonrails.org* |
| *rubygem-activeldap* | 1.0.2 | 1.2.0 | *http://rubyforge.org/projects/ruby-activeldap/* |
| *rubygem-activerecord* | 2.3.2 | 2.3.4 | *http://www.rubyonrails.org* |
| *rubygem-activeresource* | 2.3.2 | 2.3.4 | *http://www.rubyonrails.org* |
| *rubygem-activesupport* | 2.3.2 | 2.3.4 | *http://www.rubyonrails.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rubygem-allison* | new | 2.0.3 | *http://github.com/fauna/allison/tree/master* |
| *rubygem-arrayfields* | 4.7.2 | 4.7.4 | *http://codeforpeople.com/lib/ruby/arrayfields/* |
| *rubygem-bacon* | new | 1.1.0 | *http://chneukirchen.org/repos/bacon* |
| *rubygem-cobbler* | 0.1.3 | 1.6.1 | *http://cobbler.et.redhat.com/* |
| *rubygem-coderay* | new | 0.8.312 | *http://coderay.rubychan.de* |
| *rubygem-configuration* | new | 0.0.5 | *http://codeforpeople.com/lib/ruby/configuration/* |
| *rubygem-daemons* | 1.0.7 | 1.0.10 | *http://daemons.rubyforge.org* |
| *rubygem-diff-lcs* | new | 1.1.2 | *http://rubyforge.org/projects/ruwiki/* |
| *rubygem-facade* | new | 1.0.4 | *http://raa.ruby-lang.org/project/facade* |
| *rubygem-fastercsv* | new | 1.5.0 | *http://fastercsv.rubyforge.org/* |
| *rubygem-fastthread* | 1.0.1 | 1.0.7 | *http://mongrel.rubyforge.org* |
| *rubygem-fattr* | new | 1.0.3 | *http://rubyforge.org/projects/codeforpeople/* |
| *rubygem-ferret* | new | 0.11.6 | *http://rubyforge.org/projects/ferret/* |
| *rubygem-flexmock* | new | 0.8.6 | *http://flexmock.rubyforge.org* |
| *rubygem-gettext* | 2.0.0 | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext* |
| *rubygem-gettext_activerecord* | new | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext-rails.html* |
| *rubygem-gettext_rails* | new | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext-rails.html* |
| *rubygem-gruff* | 0.3.4 | 0.3.6 | *http://nubyonrails.com/pages/gruff* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rubygem-hoe* | 1.12.1 | 2.3.3 | *http://rubyforge.org/projects/seattlerb/* |
| *rubygem-htmlentities* | 4.0.0 | 4.2.0 | *http://htmlentities.rubyforge.org/* |
| *rubygem-json* | new | 1.1.7 | *http://json.rubyforge.org* |
| *rubygem-locale* | 2.0.0 | 2.0.4 | *http://locale.rubyforge.org/* |
| *rubygem-locale_rails* | new | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-locale-rails.html* |
| *rubygem-main* | 2.8.3 | 2.8.4 | *http://codeforpeople.com/lib/ruby/main/* |
| *rubygem-mechanize* | 0.9.2 | 0.9.3 | *http://mechanize.rubyforge.org/* |
| *rubygem-mkrf* | new | 0.2.3 | *http://mkrf.rubyforge.org/* |
| *rubygem-mocha* | new | 0.9.7 | *http://mocha.rubyforge.org* |
| *rubygem-nokogiri* | 1.2.3 | 1.3.3 | *http://nokogiri.rubyforge.org/nokogiri/* |
| *rubygem-picnic* | 0.7.1 | 0.8.1 | *http://rubyforge.org/projects/picnic/* |
| *rubygem-polyglot* | new | 0.2.5 | *http://polyglot.rubyforge.org* |
| *rubygem-rack* | 0.9.1 | 1.0.0 | *http://rubyforge.org/projects/rack/* |
| *rubygem-rack-test* | new | 0.4.0 | *http://gitrdoc.com/brynary/rack-test/tree/master* |
| *rubygem-rails* | 2.3.2 | 2.3.4 | *http://www.rubyonrails.org* |
| *rubygem-rake* | 0.8.4 | 0.8.7 | *http://rake.rubyforge.org* |
| *rubygem-rake-compiler* | new | 0.6.0 | *http://rake-compiler.rubyforge.org/* |
| *rubygem-reststop* | 0.3.0 | 0.4.0 | *http://rubyforge.org/projects/reststop/* |
| *rubygem-rspec* | 1.2.2 | 1.2.7 | *http://rspec.rubyforge.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rubygem-rubigen* | new | 1.5.2 | *http://drnic.github.com/rubigen* |
| *rubygem-ruby-opengl* | new | 0.60.1 | *http://ruby-opengl.rubyforge.org/* |
| *rubygem-rubyforge* | 1.0.3 | 1.0.5 | *http://rubyforge.org/projects/codeforpeople* |
| *rubygem-rufus-scheduler* | new | 2.0.1 | *http://openwferu.rubyforge.org/scheduler.html* |
| *rubygem-state_machine* | new | 0.8.0 | *http://www.pluginaweek.org* |
| *rubygem-syntax* | new | 1.0.0 | *http://syntax.rubyforge.org/* |
| *rubygem-term-ansicolor* | new | 1.0.3 | *http://term-ansicolor.rubyforge.org* |
| *rubygem-test-spec* | new | 0.10.0 | *http://test-spec.rubyforge.org* |
| *rubygem-treetop* | new | 1.3.0 | *http://treetop.rubyforge.org/* |
| *sbcl* | 1.0.26 | 1.0.30 | *http://sbcl.sourceforge.net/* |
| *scala* | 2.7.3 | 2.7.5 | *http://www.scala-lang.org/* |
| *scala-examples* | 2.7.3 | 2.7.5 | *http://www.scala-lang.org/* |
| *setools-libs-java* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *setools-libs-python* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *setools-libs-tcl* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *slang-slsh* | 2.1.4 | 2.2.1 | *http://www.jedsoft.org/slang/* |
| *slib* | 3b1 | 3b2 | *http://swissnet.ai.mit.edu/~jaffer/SLIB.html* |
| *snobol* | 4.1.1 | 4.1.2 | *http://www.snobol4.org* |
| *snobol-devel* | 4.1.1 | 4.1.2 | *http://www.snobol4.org* |
| *sqlite-tcl* | 3.6.12 | 3.6.17 | *http://www.sqlite.org/* |
| *squeak-vm* | 3.10.4 | 3.10.5 | *http://squeakvm.org/unix* |
| *squeak-vm-nonXOplugins* | 3.10.4 | 3.10.5 | *http://squeakvm.org/unix* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *squeal* | new | 0.4.1 | *https://fedorahosted.org/squeal* |
| *tcl* | 8.5.6 | 8.5.7 | *http://tcl.sourceforge.net/* |
| *tcl-devel* | 8.5.6 | 8.5.7 | *http://tcl.sourceforge.net/* |
| *tk* | 8.5.6 | 8.5.7 | *http://tcl.sourceforge.net* |
| *tk-devel* | 8.5.6 | 8.5.7 | *http://tcl.sourceforge.net* |
| *tkinter* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *translation-filter* | 0.0.2 | 1.0 | *http://fedorahosted.org/translation-filter* |
| *translation-filter-kde* | new | 1.0 | *http://fedorahosted.org/translation-filter* |
| *vala* | 0.5.7 | 0.7.5 | *http://live.gnome.org/Vala* |
| *vala-tools* | 0.5.7 | 0.7.5 | *http://live.gnome.org/Vala* |
| *vips-python* | 7.16.4 | 7.18.2 | *http://www.vips.ecs.soton.ac.uk/* |
| *wannier90-devel* | new | 1.1 | *http://wannier.org/* |
| *yap* | 5.1.1 | 5.1.3 | *http://www.ncc.up.pt/~vsc/Yap* |
| *yap-devel* | 5.1.1 | 5.1.3 | *http://www.ncc.up.pt/~vsc/Yap* |
| *yap-docs* | 5.1.1 | 5.1.3 | *http://www.ncc.up.pt/~vsc/Yap* |

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

| | |
|---|---|
| Packages changed | 438 |
| Packages unchanged | 333 |
| Total packages | 771 |

## 8.4.6. Development-Libraries-Java

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *automaton* | 1.11r1 | 1.11r2 | *http://www.brics.dk/automaton/* |
| *bsf* | 2.3.0 | 2.4.0 | *http://jakarta.apache.org/bsf/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnu-getopt* | 1.0.12 | 1.0.13 | *http://www.urbanophile.com/arenn/hacking/download.html* |
| *icu4j* | 3.8.1 | 4.0.1 | *http://www-306.ibm.com/software/globalization/icu/index.jsp* |
| *jakarta-commons-io* | 1.3.2 | 1.4 | *http://commons.apache.org/io/* |
| *jakarta-commons-net* | 1.4.1 | 2.0 | *http://commons.apache.org/net/* |
| *jdepend* | 2.6 | 2.9 | *http://www.clarkware.com/* |
| *jdepend-demo* | 2.6 | 2.9 | *http://www.clarkware.com/* |
| *jsch* | 0.1.39 | 0.1.41 | *http://www.jcraft.com/jsch/* |
| *maven-shared-ant* | new | 1.0 | *http://maven.apache.org/shared/* |
| *maven-shared-app-configuration-model* | new | 1.1 | *http://maven.apache.org/shared/* |
| *maven-shared-app-configuration-web* | new | 1.1 | *http://maven.apache.org/shared/* |
| *maven-shared-archiver* | new | 2.3 | *http://maven.apache.org/shared/* |
| *maven-shared-common-artifact-filters* | new | 1.0 | *http://maven.apache.org/shared/* |
| *maven-shared-dependency-analyzer* | new | 1.0 | *http://maven.apache.org/shared/* |
| *maven-shared-dependency-tree* | new | 1.1 | *http://maven.apache.org/shared/* |
| *maven-shared-downloader* | new | 1.2 | *http://maven.apache.org/shared/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *maven-shared-invoker* | new | 2.0.7 | *http://maven.apache.org/shared/* |
| *maven-shared-io* | new | 1.1 | *http://maven.apache.org/shared/* |
| *maven-shared-jar* | new | 1.1 | *http://maven.apache.org/shared/* |
| *maven-shared-model-converter* | new | 2.3 | *http://maven.apache.org/shared/* |
| *maven-shared-monitor* | new | 1.0 | *http://maven.apache.org/shared/* |
| *maven-shared-osgi* | new | 0.2.0 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-testing-harness* | 1.0 | 1.2 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-testing-tools* | new | 1.0 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-tools-ant* | new | 2.2 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-tools-api* | new | 2.2 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-tools-beanshell* | new | 2.2 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-tools-java* | new | 2.2 | *http://maven.apache.org/shared/* |
| *maven-shared-plugin-tools-model* | new | 2.2 | *http://maven.apache.org/shared/* |
| *maven-shared-reporting-impl* | new | 2.1 | *http://maven.apache.org/shared/* |
| *maven-shared-repository-builder* | new | 1.0 | *http://maven.apache.org/shared/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *maven-shared-test-tools* | new | 1.0 | *http://maven.apache.org/shared/* |
| *maven-shared-verifier* | new | 1.2 | *http://maven.apache.org/shared/* |
| *qdox* | 1.6.1 | 1.9.2 | *http://qdox.codehaus.org/* |

Table 30. All Development-Libraries-Java changes

| | |
|---|---|
| Packages changed | 35 |
| Packages unchanged | 56 |
| Total packages | 91 |

### 8.4.7. Development-Libraries

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *389-adminutil* | new | 1.1.8 | *http://port389.org/wiki/AdminUtil* |
| *389-adminutil-devel* | new | 1.1.8 | *http://port389.org/wiki/AdminUtil* |
| *389-ds-base-devel* | new | 1.2.3 | *http://port389.org/* |
| *CCfits* | 2.1 | 2.2 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits* |
| *CCfits-devel* | 2.1 | 2.2 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits* |
| *CGAL-devel* | 3.3.1 | 3.5 | *http://www.cgal.org/* |
| *ClanLib-devel* | 0.8.1 | 1.0.0 | *http://www.clanlib.org/* |
| *ConsoleKit-devel* | 0.3.0 | 0.4.1 | *http://www.freedesktop.org/wiki/Software/ConsoleKit* |
| *ConsoleKit-docs* | 0.3.0 | 0.4.1 | *http://www.freedesktop.org/wiki/Software/ConsoleKit* |
| *ConsoleKit-libs* | 0.3.0 | 0.4.1 | *http://www.freedesktop.org/wiki/Software/ConsoleKit* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ConsoleKit-x11* | 0.3.0 | 0.4.1 | *http://www.freedesktop.org/wiki/Software/ConsoleKit* |
| *DeviceKit-devel* | 003 | dropped | *http://gitweb.freedesktop.org/?p=users/david/DeviceKit.git;a=summary* |
| *DeviceKit-disks-devel* | 004 | 009 | *http://cgit.freedesktop.org/DeviceKit/DeviceKit-disks/* |
| *DeviceKit-power-devel* | 008 | 012 | *http://cgit.freedesktop.org/DeviceKit/DeviceKit-power/* |
| *Falcon-devel* | 0.8.14.2 | 0.9.4.2 | *http://www.falconpl.org/* |
| *GConf2-devel* | 2.26.0 | 2.28.0 | *http://projects.gnome.org/gconf/* |
| *GMT-devel* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *GMT-octave* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *GMT-static* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *GeoIP* | 1.4.6 | 1.4.7 | *http://www.maxmind.com/app/c* |
| *GeoIP-devel* | 1.4.6 | 1.4.7 | *http://www.maxmind.com/app/c* |
| *GraphicsMagick-c++-devel* | 1.1.14 | 1.3.7 | *http://www.graphicsmagick.org/* |
| *GraphicsMagick-devel* | 1.1.14 | 1.3.7 | *http://www.graphicsmagick.org/* |
| *GtkAda-devel* | 2.10.2 | 2.14.0 | *https://libre.adacore.com/GtkAda/* |
| *GtkAda-gl* | new | 2.14.0 | *https://libre.adacore.com/GtkAda/* |
| *GtkAda-glade* | new | 2.14.0 | *https://libre.adacore.com/GtkAda/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GtkAda-gnome* | new | 2.14.0 | *https://libre.adacore.com/GtkAda/* |
| *ImageMagick-c++-devel* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *ImageMagick-devel* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *LuxRender-devel* | new | 0.5 | *http://www.luxrender.net* |
| *MySQL-python* | 1.2.2 | 1.2.3 | *http://sourceforge.net/projects/mysql-python/* |
| *NetworkManager-devel* | 0.7.1 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager-glib* | 0.7.1 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager-glib-devel* | 0.7.1 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *PackageKit-backend-devel* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-browser-plugin* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-command-not-found* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-device-rebind* | new | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-docs* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-glib* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-glib-devel* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-gstreamer-plugin* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-gtk-module* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-qt* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-qt-devel* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *PgsLookAndFeel* | new | 1.1 | *https://pgslookandfeel.dev.java.net/* |
| *Pixie-devel* | 2.2.5 | 2.2.6 | *http://www.renderpixie.com/* |
| *PolicyKit-devel* | 0.9 | dropped | *http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary* |
| *PolicyKit-docs* | 0.9 | dropped | *http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary* |
| *PolicyKit-gnome-demo* | 0.9.2 | dropped | *http://svn.gnome.org/viewvc/policykit-gnome/trunk* |
| *PolicyKit-gnome-devel* | 0.9.2 | dropped | *http://svn.gnome.org/viewvc/policykit-gnome/trunk* |
| *PolicyKit-gnome-libs* | 0.9.2 | dropped | *http://svn.gnome.org/viewvc/policykit-gnome/trunk* |
| *R-Biostrings-devel* | new | 2.12.9 | *http://bioconductor.org/packages/2.4/bioc/html/Biostrings.html* |
| *R-BufferedMatrix-devel* | 1.6.0 | 1.8.0 | *http://bioconductor.org/packages/release/bioc/html/BufferedMatrix.html* |
| *R-IRanges-devel* | 1.1.55 | 1.2.3 | *http://bioconductor.org/packages/2.4/bioc/html/IRanges.html* |
| *R-preprocessCore-devel* | new | 1.6.0 | *http://bioconductor.org/packages/2.4/bioc/html/preprocessCore.html* |
| *RasmusDSP* | new | 0.1 | *http://sourceforge.net/projects/rasmusdsp* |
| *SDL_image-devel* | 1.2.6 | 1.2.7 | *http://www.libsdl.org/projects/SDL_image/* |
| *TeXmacs-devel* | 1.0.7.1 | 1.0.7.2 | *http://www.texmacs.org* |
| *abrt-devel* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *afflib-devel* | 3.3.4 | 3.4.1 | *http://www.afflib.org* |
| *akonadi-devel* | 1.1.2 | 1.2.1 | *http://download.akonadi-project.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *alsa-lib-devel* | 1.0.20 | 1.0.21 | *http://www.alsa-project.org/* |
| *anerley-devel* | new | 0.1.7 | *http://www.moblin.org/* |
| *anjuta-devel* | 2.26.1.0 | 2.28.1.0 | *http://www.anjuta.org/* |
| *apbs-devel* | new | 1.1.0 | *http://apbs.sourceforge.net/* |
| *apr-devel* | 1.3.3 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-devel* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-freetds* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-ldap* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-mysql* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-odbc* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-pgsql* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util-sqlite* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *aqsis-devel* | 1.4.2 | 1.6.0 | *http://www.aqsis.org* |
| *arm4-devel* | 0.8.1 | 0.8.2 | *http://www.arm4.org/* |
| *arm4-java* | 0.8.1 | 0.8.2 | *http://www.arm4.org/* |
| *armadillo* | new | 0.6.12 | *http://arma.sourceforge.net/* |
| *armadillo-devel* | new | 0.6.12 | *http://arma.sourceforge.net/* |
| *asio-devel* | 1.2.0 | 1.4.1 | *http://sourceforge.net/projects/asio/* |
| *asterisk-devel* | 1.6.1 | 1.6.1.9 | *http://www.asterisk.org/* |
| *at-spi-devel* | 1.26.0 | 1.28.1 | *http://developer.gnome.org/projects/gap/* |
| *at-spi-python* | 1.26.0 | 1.28.1 | *http://developer.gnome.org/projects/gap/* |
| *atk-devel* | 1.25.2 | 1.28.0 | *http://developer.gnome.org/projects/gap/* |
| *audacious-devel* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *audit-libs* | 1.7.12 | 2.0.1 | *http://people.redhat.com/sgrubb/audit/* |
| *audit-libs-devel* | 1.7.12 | 2.0.1 | *http://people.redhat.com/sgrubb/audit/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *audit-libs-python* | 1.7.12 | 2.0.1 | *http://people.redhat.com/sgrubb/audit/* |
| *augeas-devel* | 0.5.0 | 0.5.3 | *http://augeas.net/* |
| *avahi-ui-sharp-devel* | new | 0.6.25 | *http://avahi.org* |
| *avogadro-devel* | 0.9.3 | 1.0.0 | *http://avogadro.openmolecules.net/* |
| *babl-devel* | 0.0.22 | 0.1.0 | *http://www.gegl.org/babl/* |
| *backport-util-concurrent* | new | 3.1 | *http://backport-jsr166.sourceforge.net* |
| *banshee-devel* | 1.4.3 | 1.5.1 | *http://banshee-project.org/* |
| *banshee-musicbrainz-devel* | 1.4.3 | 1.5.1 | *http://banshee-project.org/* |
| *barry-devel-docs* | new | 0.15 | *http://www.netdirect.ca/downloads/barry* |
| *bes-devel* | 3.6.2 | 3.7.2 | *http://www.opendap.org/download/BES.html* |
| *bickley-devel* | new | 0.4.3 | *http://moblin.org/projects/bickley* |
| *bitlbee-devel* | new | 1.2.4 | *http://www.bitlbee.org/* |
| *blacs-common* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blacs-lam* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blacs-lam-devel* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blacs-mpich2* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blacs-mpich2-devel* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blacs-openmpi* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blacs-openmpi-devel* | new | 1.1 | *http://www.netlib.org/blacs* |
| *blas* | 3.1.1 | 3.2.1 | *http://www.netlib.org/lapack/* |
| *blas-devel* | 3.1.1 | 3.2.1 | *http://www.netlib.org/lapack/* |
| *bluez-libs-devel* | 4.37 | 4.57 | *http://www.bluez.org/* |
| *bognor-regis-devel* | new | 0.4.10 | *http://www.moblin.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *boinc-client-devel* | 6.4.7 | 6.6.37 | *http://boinc.berkeley.edu/* |
| *boinc-client-static* | new | 6.6.37 | *http://boinc.berkeley.edu/* |
| *boo-devel* | 0.8.1.2865 | 0.9.2.3383 | *http://boo.codehaus.org* |
| *boost-devel* | 1.37.0 | 1.39.0 | *http://www.boost.org/* |
| *boost-static* | 1.37.0 | 1.39.0 | *http://www.boost.org/* |
| *botan-devel* | 1.8.1 | 1.8.7 | *http://botan.randombit.net/* |
| *bpython* | 0.7.1 | 0.9.4 | *http://www.bpython-interpreter.org/* |
| *brasero-devel* | 2.26.1 | 2.28.2 | *http://www.gnome.org/projects/brasero/* |
| *bullet* | new | 2.75 | *http://www.bulletphysics.com* |
| *bullet-devel* | new | 2.75 | *http://www.bulletphysics.com* |
| *c-ares-devel* | 1.5.3 | 1.6.0 | *http://c-ares.haxx.se/* |
| *cairo-devel* | 1.8.6 | 1.8.8 | *http://cairographics.org* |
| *cas* | 0.13 | 0.14 | *http://fedorahosted.org/cas* |
| *cduce* | 0.5.2.1 | 0.5.3 | *http://www.cduce.org/* |
| *cduce-devel* | 0.5.2.1 | 0.5.3 | *http://www.cduce.org/* |
| *celt-devel* | 0.5.2 | 0.7.0 | *http://www.celt-codec.org/* |
| *cfitsio* | 3.130 | 3.140 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/fitsio.html* |
| *cfitsio-devel* | 3.130 | 3.140 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/fitsio.html* |
| *cfitsio-docs* | new | 3.140 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/fitsio.html* |
| *cfitsio-static* | 3.130 | 3.140 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/fitsio.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *chameleon* | new | 0.2 | *https://fedorahosted.org/chameleon* |
| *chealpix-devel* | 2.11c | 2.12a | *http://healpix.jpl.nasa.gov/* |
| *check-devel* | 0.9.6 | 0.9.8 | *http://check.sourceforge.net/* |
| *check-static* | 0.9.6 | 0.9.8 | *http://check.sourceforge.net/* |
| *cherokee-devel* | 0.99.0 | 0.99.24 | *http://www.cherokee-project.com/* |
| *chmlib* | 0.39 | 0.40 | *http://www.jedrea.com/chmlib/* |
| *chmlib-devel* | 0.39 | 0.40 | *http://www.jedrea.com/chmlib/* |
| *chunkd-devel* | new | 0.4 | *http://hail.wiki.kernel.org/* |
| *cim-schema* | new | 2.22.0 | *http://www.dmtf.org/* |
| *clamav-devel* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *classads* | 1.0.1 | 1.0.4 | *http://www.cs.wisc.edu/condor/classad/* |
| *claws-mail-devel* | 3.7.1 | 3.7.3 | *http://claws-mail.org* |
| *cld-devel* | new | 0.2.1 | *http://hail.wiki.kernel.org/* |
| *clips-devel* | 6.24 | 6.30.0 | *http://clipsrules.sourceforge.net* |
| *clipsmm-devel* | 0.0.7 | 0.1.0 | *http://clipsmm.sourceforge.net* |
| *cln-devel* | 1.2.2 | 1.3.0 | *http://www.ginac.de/CLN/* |
| *cloog-ppl* | 0.15 | 0.15.7 | *http://www.cloog.org* |
| *cloog-ppl-devel* | 0.15 | 0.15.7 | *http://www.cloog.org* |
| *clthreads-devel* | new | 2.4.0 | *http://www.kokkinizita.net/linuxaudio/* |
| *cluster-glue-libs* | new | 1.0 | *http://www.clusterlabs.org* |
| *cluster-glue-libs-devel* | new | 1.0 | *http://www.clusterlabs.org* |
| *clusterlib-devel* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *clutter* | 0.8.6 | 1.0.6 | *http://www.clutter-project.org/* |
| *clutter-cairomm-devel* | 0.7.4 | dropped | *http://www.gtkmm.org/* |
| *clutter-devel* | 0.8.6 | 1.0.6 | *http://www.clutter-project.org/* |
| *clutter-gst-devel* | 0.8.0 | 0.10.0 | *http://www.clutter-project.org* |
| *clutter-gtk-devel* | 0.8.2 | 0.10.2 | *http://www.clutter-project.org* |
| *clutter-gtkmm-devel* | 0.7.4 | 0.9.4 | *http://www.gtkmm.org/* |
| *clutter-imcontext-devel* | new | 0.1.4 | *http://www.moblin.org/* |
| *cluttermm-devel* | 0.7.5 | 0.9.4 | *http://www.gtkmm.org/* |
| *cobertura* | new | 1.9 | *http://cobertura.sourceforge.net/* |
| *comoonics-base-py* | new | 0.1 | *http://www.open-sharedroot.org/development/comoonics-base-py* |
| *comoonics-cdsl-py* | new | 0.2 | *http://www.open-sharedroot.org/development/comoonics-cdsl-py* |
| *comoonics-cluster-py* | new | 0.1 | *http://www.open-sharedroot.org/development/comoonics-cluster-py* |
| *compat-libgdamm-devel* | new | 3.0.1 | *http://www.gtkmm.org/* |
| *compat-readline5-devel* | new | 5.2 | *http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html* |
| *compat-readline5-static* | new | 5.2 | *http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html* |
| *compat-wxGTK26-devel* | 2.6.4 | dropped | *http://www.wxwidgets.org/* |
| *compiz-bcop* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |
| *compiz-devel* | 0.7.8 | 0.8.2 | *http://www.go-compiz.org* |
| *compiz-fusion-devel* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *compiz-fusion-extras-devel* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |
| *compizconfig-python* | 0.7.8 | 0.8.2 | *http://www.compiz-fusion.org* |
| *cone-devel* | 0.75 | 0.78 | *http://www.courier-mta.org/cone/* |
| *conexus-dbus-devel* | new | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-devel* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-gtkmm-devel* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-nspr-devel* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-nss-devel* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-ssl-devel* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *control-center-devel* | 2.26.0 | 2.28.1 | *http://www.gnome.org* |
| *control-center-filesystem* | 2.26.0 | 2.28.1 | *http://www.gnome.org* |
| *corosynclib-devel* | 0.95 | 1.1.2 | *http://www.openais.org* |
| *cpptasks* | new | 1.0b5 | *http://ant-contrib.sourceforge.net/* |
| *cryptsetup-luks-devel* | 1.0.6 | 1.1.0 | *http://cryptsetup.googlecode.com/* |
| *csound-devel* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-python* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *ctdb-devel* | 1.0.73 | 1.0.91 | *http://ctdb.samba.org/* |
| *ctemplate-devel* | 0.93 | 0.95 | *http://code.google.com/p/google-ctemplate/* |
| *cudd* | 2.4.1 | 2.4.2 | *http://vlsi.colorado.edu/~fabio/CUDD/* |
| *cudd-devel* | 2.4.1 | 2.4.2 | *http://vlsi.colorado.edu/~fabio/CUDD/* |
| *cudd-static* | 2.4.1 | 2.4.2 | *http://vlsi.colorado.edu/~fabio/CUDD/* |
| *cups-devel* | 1.4 | 1.4.1 | *http://www.cups.org/* |

Table 31. All Development-Libraries changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *cyrus-imapd-devel* | 2.3.14 | 2.3.15 | *http://cyrusimap.web.cmu.edu/* |
| *cyrus-sasl-devel* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *dbus-cxx-devel* | new | 0.4.3 | *http://dbus-cxx.sourceforge.net/* |
| *dbus-cxx-glibmm-devel* | new | 0.4.3 | *http://dbus-cxx.sourceforge.net/* |
| *dbus-devel* | 1.2.12 | 1.2.16 | *http://www.freedesktop.org/software/dbus/* |
| *dbus-glib-devel* | 0.80 | 0.82 | *http://www.freedesktop.org/software/dbus/* |
| *dbus-libs* | 1.2.12 | 1.2.16 | *http://www.freedesktop.org/software/dbus/* |
| *dbus-x11* | 1.2.12 | 1.2.16 | *http://www.freedesktop.org/software/dbus/* |
| *dcbd-devel* | 0.9.7 | 0.9.15 | *http://e1000.sourceforge.net* |
| *deskbar-applet-devel* | new | 2.27.90 | *http://live.gnome.org/DeskbarApplet* |
| *devhelp-devel* | 0.23 | 2.28.1 | *http://developer.imendio.com/projects/devhelp* |
| *device-mapper-devel* | 1.02.31 | 1.02.38 | *http://sources.redhat.com/lvm2* |
| *dhcp-devel* | 4.1.0 | 4.1.0p1 | *http://isc.org/products/DHCP/* |
| *dietlibc* | 0.31 | 0.32 | *http://www.fefe.de/dietlibc/* |
| *dietlibc-devel* | 0.31 | 0.32 | *http://www.fefe.de/dietlibc/* |
| *dietlibc-header* | 0.31 | 0.32 | *http://www.fefe.de/dietlibc/* |
| *digikam-devel* | 0.10.0 | 1.0.0 | *http://www.digikam.org/* |
| *directfb-devel* | 1.2.7 | 1.4.2 | *http://www.directfb.org/* |
| *directory-naming* | new | 0.8 | *http://directory.apache.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *dmraid-devel* | 1.0.0.rc15 | 1.0.0.rc16 | *http://people.redhat.com/heinzm/sw/dmraid* |
| *dovecot-devel* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dssi-devel* | 0.9.1 | 1.0.0 | *http://dssi.sourceforge.net/* |
| *e2fsprogs-devel* | 1.41.4 | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *e2fsprogs-libs* | 1.41.4 | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *easymock* | new | 1.2 | *http://www.easymock.org/* |
| *eb-devel* | 4.3.2 | 4.4.1 | *http://www.sra.co.jp/people/m-kasahr/eb/* |
| *echolib* | 0.13.0 | 0.13.1 | *http://svxlink.sourceforge.net* |
| *echolib-devel* | 0.13.0 | 0.13.1 | *http://svxlink.sourceforge.net* |
| *eclib-devel* | new | 20080310 | *http://www.warwick.ac.uk/~masgaj/* |
| *eclipse-photran-intel* | 4.0.0 | 5.0.0 | *http://www.eclipse.org/photran* |
| *eclipse-photran-xlf* | 4.0.0 | 5.0.0 | *http://www.eclipse.org/photran* |
| *eggdbus* | new | 0.5 | *http://cgit.freedesktop.org/~david/eggdbus* |
| *eggdbus-devel* | new | 0.5 | *http://cgit.freedesktop.org/~david/eggdbus* |
| *eigen2-devel* | 2.0.0 | 2.0.6 | *http://eigen.tuxfamily.org/* |
| *em8300-devel* | 0.17.2 | 0.17.3 | *http://dxr3.sourceforge.net/* |
| *emacs-dinotrace* | new | 9.4a | *http://www.veripool.org/wiki/dinotrace* |
| *emacs-systemc-mode* | new | 1.330 | *http://search.cpan.org/dist/SystemPerl/* |
| *emacs-vregs-mode* | 1.462 | 1.463 | *http://search.cpan.org/dist/SystemC-Vregs/* |
| *emerald-devel* | 0.7.8 | 0.8.2 | *http://www.compiz-fusion.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *empathy-devel* | 2.26.1 | 2.28.1.1 | *http://live.gnome.org/Empathy* |
| *empathy-libs* | 2.26.1 | 2.28.1.1 | *http://live.gnome.org/Empathy* |
| *enca-devel* | 1.9 | 1.10 | *http://gitorious.org/enca* |
| *enchant-devel* | 1.4.2 | 1.5.0 | *http://www.abisource.com/* |
| *eog-devel* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/eog/* |
| *epiphany-devel* | 2.26.1 | 2.28.1 | *http://www.gnome.org/projects/epiphany/* |
| *erlang-erlsyslog* | new | 0.1 | *http://code.google.com/p/erlsyslog* |
| *erlang-esdl* | 0.96.0626 | 1.0.1 | *http://esdl.sourceforge.net* |
| *erlang-esdl-devel* | 0.96.0626 | 1.0.1 | *http://esdl.sourceforge.net* |
| *espeak-devel* | 1.39 | 1.40.02 | *http://espeak.sourceforge.net* |
| *evince-devel* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/evince/* |
| *evolution-data-server-devel* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-data-server-doc* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-devel* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-mapi-devel* | 0.26.1 | 0.28.0 | *http://www.gnome.org/projects/evolution-mapi/* |
| *evolution-sharp-devel* | 0.20.0 | 0.21.1 | *http://ftp.gnome.org/pub/GNOME/sources/evolution-sharp/* |
| *ewl-devel* | new | 0.5.2.042 | *http://www.enlightenment.org/* |
| *exiv2-devel* | 0.18.1 | 0.18.2 | *http://www.exiv2.org/* |
| *exo-devel* | 0.3.101 | 0.3.104 | *http://xfce.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *expatmm-devel* | new | 1.0.2 | *http://devzone.intellitree.com/projects/expatmm/* |
| *farsight2-devel* | 0.0.9 | 0.0.16 | *http://farsight.freedesktop.org/wiki/* |
| *farsight2-python* | 0.0.9 | 0.0.16 | *http://farsight.freedesktop.org/wiki/* |
| *fityk-devel* | 0.8.1 | 0.8.8 | *http://fityk.sourceforge.net/* |
| *flickcurl-devel* | new | 1.13 | *http://librdf.org/flickcurl/* |
| *flickrnet* | 2.1.5 | 2.2 | *http://www.codeplex.com/FlickrNet* |
| *flickrnet-devel* | 2.1.5 | 2.2 | *http://www.codeplex.com/FlickrNet* |
| *fluidsynth-devel* | 1.0.8 | 1.0.9 | *http://www.fluidsynth.org/* |
| *fontconfig-devel* | 2.6.99.behdad.20090508 | 2.7.3 | *http://fontconfig.org* |
| *fontforge-devel* | 20090224 | 20090622 | *http://fontforge.sourceforge.net/* |
| *freefem++-devel* | 3.0 | 3.5 | *http://www.freefem.org/ff++/index.htm* |
| *freeglut-devel* | 2.4.0 | 2.6.0 | *http://freeglut.sourceforge.net* |
| *freeradius-devel* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *ftgl-devel* | 2.1.2 | 2.1.3 | *http://ftgl.wiki.sourceforge.net/* |
| *fuse-devel* | 2.7.4 | 2.8.1 | *http://fuse.sf.net* |
| *g2clib-devel* | 1.1.7 | 1.1.9 | *http://www.nco.ncep.noaa.gov/pmb/codes/GRIB2/* |
| *gai-devel* | 0.5.10 | dropped | *http://gai.sourceforge.net* |
| *gammu-devel* | 1.23.92 | 1.25.0 | *http://cihar.com/gammu/* |
| *gconfmm26-devel* | 2.24.0 | 2.28.0 | *http://gtkmm.sourceforge.net/* |
| *gdal-devel* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |
| *gdal-java* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gdal-perl* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |
| *gdal-python* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |
| *gdal-ruby* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |
| *gdal-static* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |
| *gedit-devel* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/gedit/* |
| *gegl-devel* | 0.0.22 | 0.1.0 | *http://www.gegl.org/* |
| *geglmm* | 0.0.22 | 0.1.0 | *http://ftp.gnome.org/pub/gnome/sources/geglmm* |
| *geglmm-devel* | 0.0.22 | 0.1.0 | *http://ftp.gnome.org/pub/gnome/sources/geglmm* |
| *geoclue-doc* | new | 0.11.1.1 | *http://geoclue.freedesktop.org/* |
| *geos-devel* | 3.0.3 | 3.1.1 | *http://trac.osgeo.org/geos/* |
| *geos-python* | 3.0.3 | 3.1.1 | *http://trac.osgeo.org/geos/* |
| *geos-ruby* | 3.0.3 | 3.1.1 | *http://trac.osgeo.org/geos/* |
| *gerbv-devel* | 2.2.0 | 2.3.0 | *http://gerbv.gpleda.org/index.html* |
| *gflags-devel* | 1.0 | 1.1 | *http://code.google.com/p/google-gflags/* |
| *ghc-GLUT-devel* | new | 2.1.1.2 | *http://www.haskell.org/haskellwiki/Opengl* |
| *ghc-GLUT-doc* | new | 2.1.1.2 | *http://www.haskell.org/haskellwiki/Opengl* |
| *ghc-GLUT-prof* | new | 2.1.1.2 | *http://www.haskell.org/haskellwiki/Opengl* |
| *ghc-HTTP-devel* | 4000.0.4 | 4000.0.6 | *http://projects.haskell.org/http/* |
| *ghc-HTTP-doc* | 4000.0.4 | 4000.0.6 | *http://projects.haskell.org/http/* |
| *ghc-HTTP-prof* | 4000.0.4 | 4000.0.6 | *http://projects.haskell.org/http/* |
| *ghc-OpenGL-devel* | new | 2.2.1.1 | *http://www.haskell.org/haskellwiki/Opengl* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ghc-OpenGL-doc* | new | 2.2.1.1 | *http://www.haskell.org/haskellwiki/Opengl* |
| *ghc-OpenGL-prof* | new | 2.2.1.1 | *http://www.haskell.org/haskellwiki/Opengl* |
| *ghc-cairo-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-cairo-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-cpphs-devel* | 1.6 | 1.9 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs* |
| *ghc-cpphs-doc* | 1.6 | 1.9 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs* |
| *ghc-cpphs-prof* | 1.6 | 1.9 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/cpphs* |
| *ghc-editline-devel* | new | 0.2.1.0 | *http://code.haskell.org/editline* |
| *ghc-editline-doc* | new | 0.2.1.0 | *http://code.haskell.org/editline* |
| *ghc-editline-prof* | new | 0.2.1.0 | *http://code.haskell.org/editline* |
| *ghc-gconf-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gconf-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gio-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gio-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-glade-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-glade-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-glib-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-glib-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gstreamer-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ghc-gstreamer-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtk-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtk-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtk2hs-common* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtk2hs-compat* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtk2hs-doc* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtkglext-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtkglext-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtksourceview2-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-gtksourceview2-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-haskell-src-exts-devel* | 0.4.8 | 1.1.4 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/haskell-src-exts* |
| *ghc-haskell-src-exts-doc* | 0.4.8 | 1.1.4 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/haskell-src-exts* |
| *ghc-haskell-src-exts-prof* | 0.4.8 | 1.1.4 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/haskell-src-exts* |
| *ghc-hscolour-devel* | 1.12 | 1.15 | *http://www.cs.york.ac.uk/fp/darcs/hscolour/* |
| *ghc-hscolour-doc* | 1.12 | 1.15 | *http://www.cs.york.ac.uk/fp/darcs/hscolour/* |
| *ghc-hscolour-prof* | 1.12 | 1.15 | *http://www.cs.york.ac.uk/fp/darcs/hscolour/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ghc-prof* | 6.10.1 | 6.10.4 | *http://haskell.org/ghc/* |
| *ghc-rpm-macros* | new | 0.2.1 | *https://fedoraproject.org/wiki/Haskell_SIG* |
| *ghc-soegtk-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-soegtk-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-svgcairo-devel* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-svgcairo-prof* | 0.10.0 | 0.10.1 | *http://gtk2hs.sourceforge.net/* |
| *ghc-tar-devel* | new | 0.3.1.0 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/tar* |
| *ghc-tar-doc* | new | 0.3.1.0 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/tar* |
| *ghc-tar-prof* | new | 0.3.1.0 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/tar* |
| *ghc-utf8-string-devel* | new | 0.3.5 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/utf8-string* |
| *ghc-utf8-string-doc* | new | 0.3.5 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/utf8-string* |
| *ghc-utf8-string-prof* | new | 0.3.5 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/utf8-string* |
| *ghc-xmonad-devel* | new | 0.8.1 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad* |
| *ghc-xmonad-doc* | new | 0.8.1 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ghc-xmonad-prof* | new | 0.8.1 | *http://hackage.haskell.org/cgi-bin/hackage-scripts/package/xmonad* |
| *ghostscript-devel* | 8.64 | 8.70 | *http://www.ghostscript.com/* |
| *gimp-devel* | 2.6.6 | 2.6.7 | *http://www.gimp.org/* |
| *gir-repository* | new | 0.6.5 | *http://live.gnome.org/GObjectIntrospection* |
| *gir-repository-devel* | new | 0.6.5 | *http://live.gnome.org/GObjectIntrospection* |
| *gjs-devel* | new | 0.4 | *http://live.gnome.org/Gjs/* |
| *gl2ps-devel* | 1.3.2 | 1.3.3 | *http://www.geuz.org/gl2ps/* |
| *glabels-devel* | 2.2.4 | 2.2.5 | *http://glabels.sf.net* |
| *glabels-doc* | 2.2.4 | 2.2.5 | *http://glabels.sf.net* |
| *glabels-libs* | 2.2.4 | 2.2.5 | *http://glabels.sf.net* |
| *glade3-libgladeui* | 3.6.1 | 3.6.7 | *http://glade.gnome.org/* |
| *glade3-libgladeui-devel* | 3.6.1 | 3.6.7 | *http://glade.gnome.org/* |
| *glib2-devel* | 2.20.1 | 2.22.2 | *http://www.gtk.org* |
| *glib2-static* | 2.20.1 | 2.22.2 | *http://www.gtk.org* |
| *glibc-devel* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *glibc-headers* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *glibc-static* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *glibmm24-devel* | 2.20.0 | 2.22.1 | *http://gtkmm.sourceforge.net/* |
| *globus-callout-devel* | new | 0.7 | *http://www.globus.org/* |
| *globus-ftp-client-devel* | new | 3.14 | *http://www.globus.org/* |
| *globus-ftp-control-devel* | new | 2.10 | *http://www.globus.org/* |
| *globus-gass-copy-devel* | new | 4.14 | *http://www.globus.org/* |
| *globus-gass-transfer-devel* | new | 3.4 | *http://www.globus.org/* |
| *globus-gsi-callback-devel* | new | 1.10 | *http://www.globus.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *globus-gsi-cert-utils-devel* | new | 5.5 | *http://www.globus.org/* |
| *globus-gsi-credential-devel* | new | 2.2 | *http://www.globus.org/* |
| *globus-gsi-openssl-error-devel* | new | 0.14 | *http://www.globus.org/* |
| *globus-gsi-proxy-core-devel* | new | 3.4 | *http://www.globus.org/* |
| *globus-gsi-proxy-ssl-devel* | new | 1.5 | *http://www.globus.org/* |
| *globus-gsi-sysconfig-devel* | new | 2.2 | *http://www.globus.org/* |
| *globus-gss-assist-devel* | new | 4.0 | *http://www.globus.org/* |
| *globus-gssapi-error-devel* | new | 2.5 | *http://www.globus.org/* |
| *globus-gssapi-gsi-devel* | new | 5.9 | *http://www.globus.org/* |
| *globus-io-devel* | new | 6.3 | *http://www.globus.org/* |
| *globus-openssl-devel* | new | 3.0 | *http://www.globus.org/* |
| *globus-openssl-module-devel* | new | 0.6 | *http://www.globus.org/* |
| *globus-rls-client-devel* | new | 5.1 | *http://www.globus.org/* |
| *globus-rsl-assist-devel* | new | 2.1 | *http://www.globus.org/* |
| *globus-rsl-devel* | new | 5.0 | *http://www.globus.org/* |
| *globus-usage-devel* | new | 1.0 | *http://www.globus.org/* |
| *globus-xio-devel* | new | 2.8 | *http://www.globus.org/* |
| *globus-xio-gsi-driver-devel* | new | 0.6 | *http://www.globus.org/* |
| *globus-xio-popen-driver-devel* | new | 0.2 | *http://www.globus.org/* |
| *glom-devel* | 1.10.0 | 1.12.2 | *http://www.glom.org/* |
| *gloox-devel* | new | 1.0 | *http://camaya.net/gloox* |
| *glpk-devel* | 4.36 | 4.39 | *http://www.gnu.org/software/glpk/glpk.html* |
| *glpk-static* | 4.36 | 4.39 | *http://www.gnu.org/software/glpk/glpk.html* |
| *glpk-utils* | 4.36 | 4.39 | *http://www.gnu.org/software/glpk/glpk.html* |
| *glusterfs-devel* | 2.0.0 | 2.0.6 | *http://www.gluster.org/* |
| *glx-utils* | 7.5 | 7.6 | *http://www.mesa3d.org* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-panel-libs* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |
| *gnome-settings-daemon-devel* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gnome-settings-daemon* |

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

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

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

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

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ipod-sharp* | 0.8.1 | 0.8.2 | *http://banshee-project.org/Subprojects/Ipod-sharp* |
| *ipod-sharp-devel* | 0.8.1 | 0.8.2 | *http://banshee-project.org/Subprojects/Ipod-sharp* |
| *ipython* | 0.9.1 | 0.10 | *http://ipython.scipy.org/* |
| *irrlicht-devel* | 1.5 | 1.5.1 | *http://irrlicht.sourceforge.net/* |
| *irssi-devel* | 0.8.12 | 0.8.14 | *http://irssi.org/* |
| *iso-codes-devel* | 3.7 | 3.11 | *http://alioth.debian.org/projects/pkg-isocodes/* |
| *itext* | 2.1.5 | 2.1.7 | *http://www.lowagie.com/iText/* |
| *jack-audio-connection-kit-devel* | 0.116.1 | 0.116.2 | *http://www.jackaudio.org* |
| *jakarta-commons-compress* | 0 | 1.0 | *http://commons.apache.org/compress/* |
| *jakarta-commons-configuration* | new | 1.4 | *http://commons.apache.org/configuration/* |
| *jakarta-commons-jxpath* | new | 1.2 | *http://jakarta.apache.org/commons/jxpath/* |
| *jana-devel* | new | 0.4.5 | *http://git.gnome.org/cgit/jana/* |
| *jargs* | new | 1.0 | *http://jargs.sourceforge.net/* |
| *java-augeas* | new | 0.0.1 | *http://augeas.net/* |
| *javasqlite* | 20090409 | 20090430 | *http://www.ch-werner.de/javasqlite/* |
| *jemmy* | new | 2.3.0.0 | *https://jemmy.dev.java.net* |
| *jide-oss* | new | 2.7.1 | *https://jide-oss.dev.java.net/* |
| *json* | new | 3 | *http://www.json.org/java/index.html* |
| *json-glib-devel* | 0.6.2 | 0.8.0 | *http://live.gnome.org/JsonGlib* |
| *kannel-devel* | 1.4.1 | 1.4.3 | *http://www.kannel.org/* |
| *kdebase-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kdebase-workspace-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebindings-devel* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *kdeedu-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdegames-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdegraphics-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdelibs-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdelibs-experimental-devel* | new | 4.3.2 | *http://www.kde.org/* |
| *kdemultimedia-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdenetwork-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kdepim-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdepim-runtime-devel* | new | 4.3.2 | *http://www.kde.org/* |
| *kdepimlibs-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdesdk-devel* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdesvn-devel* | 1.2.4 | 1.4.1 | *http://kdesvn.alwins-world.de/* |
| *kmymoney2-devel* | 0.9.3 | 1.0.1 | *http://kmymoney2.sourceforge.net/* |
| *kobo* | new | 0.1.2 | *https://fedorahosted.org/kobo/* |
| *kobo-client* | new | 0.1.2 | *https://fedorahosted.org/kobo/* |
| *kobo-django* | new | 0.1.2 | *https://fedorahosted.org/kobo/* |
| *kobo-hub* | new | 0.1.2 | *https://fedorahosted.org/kobo/* |
| *kobo-worker* | new | 0.1.2 | *https://fedorahosted.org/kobo/* |
| *krazy2* | 2.8 | 2.9 | *http://techbase.kde.org/Development/Tutorials/Code_Checking* |
| *krb5-devel* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *ktorrent-devel* | 3.2.1 | 3.2.5 | *http://ktorrent.org/* |
| *kudzu-devel* | 1.2.85 | 1.2.86 | *http://fedorahosted.org/releases/k/u/kudzu/* |
| *l2fprod-common* | new | 7.3 | *http://www.l2fprod.com/common/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lapack* | 3.1.1 | 3.2.1 | *http://www.netlib.org/lapack/* |
| *lapack-devel* | 3.1.1 | 3.2.1 | *http://www.netlib.org/lapack/* |
| *ldb-tools* | 0.9.3 | 0.9.6 | *http://www.samba.org/* |
| *ldns-devel* | 1.5.1 | 1.6.1 | *http://www.nlnetlabs.nl/ldns/* |
| *lensfun-devel* | 0.2.3 | 0.2.4 | *http://lensfun.berlios.de/* |
| *lesstif-devel* | 0.95.0 | 0.95.2 | *http://www.lesstif.org/* |
| *libEMF-devel* | 1.0.3 | 1.0.4 | *http://libemf.sourceforge.net/* |
| *libHX-devel* | 2.5 | 3.1 | *http://sourceforge.net/projects/libhx/* |
| *libICE-devel* | 1.0.4 | 1.0.6 | *http://www.x.org* |
| *libRmath* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *libRmath-devel* | 2.9.0 | 2.9.2 | *http://www.r-project.org* |
| *libX11-devel* | 1.2 | 1.3 | *http://www.x.org* |
| *libXScrnSaver-devel* | 1.1.3 | 1.2.0 | *http://www.x.org* |
| *libXau-devel* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libXaw-devel* | 1.0.4 | 1.0.6 | *http://www.x.org* |
| *libXcomposite-devel* | 0.4.0 | 0.4.1 | *http://www.x.org* |
| *libXcursor-devel* | 1.1.9 | 1.1.10 | *http://www.x.org* |
| *libXdamage-devel* | 1.1.1 | 1.1.2 | *http://www.x.org* |
| *libXdmcp-devel* | 1.0.2 | 1.0.3 | *http://www.x.org* |
| *libXext-devel* | 1.0.99.1 | 1.1 | *http://www.x.org* |
| *libXfixes-devel* | 4.0.3 | 4.0.4 | *http://www.x.org* |
| *libXfont-devel* | 1.4.0 | 1.4.1 | *http://www.x.org* |
| *libXi-devel* | 1.2.1 | 1.3 | *http://www.x.org* |
| *libXinerama-devel* | 1.0.3 | 1.1 | *http://www.x.org* |
| *libXmu-devel* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libXpm-devel* | 3.5.7 | 3.5.8 | *http://www.x.org* |
| *libXrandr-devel* | 1.2.99.4 | 1.3.0 | *http://www.x.org* |
| *libXrender-devel* | 0.9.4 | 0.9.5 | *http://www.x.org* |
| *libXres-devel* | 1.0.3 | 1.0.4 | *http://www.x.org* |
| *libXt-devel* | 1.0.5 | 1.0.7 | *http://www.x.org* |
| *libXtst-devel* | 1.0.3 | 1.0.99.2 | *http://www.x.org* |
| *libXv-devel* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libXxf86dga-devel* | 1.0.2 | 1.1.1 | *http://www.x.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libXxf86misc-devel* | 1.0.1 | 1.0.2 | *http://www.x.org* |
| *libXxf86vm-devel* | 1.0.2 | 1.1.0 | *http://www.x.org* |
| *libabiword-devel* | 2.6.8 | 2.8.1 | *http://www.abisource.com/* |
| *libarchive-devel* | 2.6.2 | 2.7.1 | *http://code.google.com/p/libarchive/* |
| *libass-devel* | 0.9.6 | 0.9.7 | *http://code.google.com/p/libass/* |
| *libassuan-devel* | 1.0.4 | 1.0.5 | *http://www.gnupg.org/* |
| *libasync* | 0.16.1 | 0.17.0 | *http://svxlink.sourceforge.net* |
| *libasync-devel* | 0.16.1 | 0.17.0 | *http://svxlink.sourceforge.net* |
| *libasyncns-devel* | 0.7 | 0.8 | *http://0pointer.de/lennart/projects/libasyncns/* |
| *libatasmart-devel* | 0.12 | 0.17 | *http://git.0pointer.de/?p=libatasmart.git;a=summary* |
| *libblkid* | new | 2.16 | *ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng* |
| *libblkid-devel* | new | 2.16 | *ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng* |
| *libbonobo-devel* | 2.24.1 | 2.24.2 | *http://ftp.gnome.org* |
| *libbonoboui-devel* | 2.24.1 | 2.24.2 | *http://www.gnome.org* |
| *libbs2b-devel* | new | 3.1.0 | *http://bs2b.sourceforge.net/* |
| *libburn-devel* | 0.6.0 | 0.7.0 | *http://libburnia-project.org/* |
| *libcanberra-devel* | 0.12 | 0.22 | *http://git.0pointer.de/?p=libcanberra.git;a=summary* |
| *libcap-ng-devel* | new | 0.6.2 | *http://people.redhat.com/sgrubb/libcap-ng* |
| *libcap-ng-python* | new | 0.6.2 | *http://people.redhat.com/sgrubb/libcap-ng* |
| *libcap-ng-utils* | new | 0.6.2 | *http://people.redhat.com/sgrubb/libcap-ng* |
| *libccss-devel* | new | 0.3.1 | *http://people.freedesktop.org/~robsta/libccss/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libcgroup* | 0.33 | 0.34 | *http://libcg.sourceforge.net/* |
| *libcgroup-devel* | 0.33 | 0.34 | *http://libcg.sourceforge.net/* |
| *libchamplain-devel* | 0.2.9 | 0.4.2 | *http://projects.gnome.org/libchamplain/* |
| *libchamplain-gtk-devel* | new | 0.4.2 | *http://projects.gnome.org/libchamplain/* |
| *libcmpiutil-devel* | 0.4 | 0.5 | *http://libvirt.org/CIM/* |
| *libcom_err* | new | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *libcom_err-devel* | new | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *libcompizconfig-devel* | 0.7.8 | 0.8.2 | *http://www.opencompositing.org/* |
| *libconfig-devel* | 1.3.1 | 1.3.2 | *http://www.hyperrealm.com/libconfig/* |
| *libcurl* | 7.19.4 | 7.19.6 | *http://curl.haxx.se/* |
| *libcurl-devel* | 7.19.4 | 7.19.6 | *http://curl.haxx.se/* |
| *libdaemon-devel* | 0.13 | 0.14 | *http://0pointer.de/lennart/projects/libdaemon/* |
| *libdap* | 3.8.2 | 3.9.3 | *http://www.opendap.org/* |
| *libdap-devel* | 3.8.2 | 3.9.3 | *http://www.opendap.org/* |
| *libdc1394-devel* | 2.1.0 | 2.1.2 | *http://sourceforge.net/projects/libdc1394/* |
| *libdmapsharing* | 1.9.0.4 | 1.9.0.10 | *http://sourceforge.net/projects/libdmapsharing/* |
| *libdmapsharing-devel* | 1.9.0.4 | 1.9.0.10 | *http://sourceforge.net/projects/libdmapsharing/* |
| *libdmx-devel* | 1.0.2 | 1.1.0 | *http://www.x.org* |
| *libdrm-devel* | 2.4.6 | 2.4.15 | *http://dri.sourceforge.net* |
| *libdvdnav-devel* | 4.1.3 | 4.1.4 | n/a |
| *libdvdread-devel* | 4.1.3 | 4.1.4 | n/a |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libepc-devel* | 0.3.9 | 0.3.10 | *http://live.gnome.org/libepc/* |
| *libepc-ui* | 0.3.9 | 0.3.10 | *http://live.gnome.org/libepc/* |
| *libetpan-devel* | 0.57 | 0.58 | *http://www.etpan.org/* |
| *libevent-devel* | 1.4.5 | 1.4.12 | *http://monkey.org/~provos/libevent/* |
| *libextractor-devel* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libfontenc-devel* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libfplll-devel* | 3.0.11 | 3.0.12 | *http://perso.ens-lyon.fr/damien.stehle/english.html#software* |
| *libftdi-c++* | new | 0.16 | *http://www.intra2net.com/de/produkte/opensource/ftdi/* |
| *libftdi-c++-devel* | new | 0.16 | *http://www.intra2net.com/de/produkte/opensource/ftdi/* |
| *libftdi-devel* | 0.15 | 0.16 | *http://www.intra2net.com/de/produkte/opensource/ftdi/* |
| *libftdi-python* | new | 0.16 | *http://www.intra2net.com/de/produkte/opensource/ftdi/* |
| *libfwbuilder-devel* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *libgadu-devel* | 1.8.2 | 1.9.0 | *http://toxygen.net/libgadu/* |
| *libgarmin-devel* | new | 0 | *http://libgarmin.sourceforge.net/* |
| *libgda-devel* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-mdb-devel* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-mysql-devel* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-postgres-devel* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libgda-sqlite-devel* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgdamm-devel* | 3.99.14 | 3.99.17.1 | *http://www.gtkmm.org/* |
| *libgdata-devel* | 0.1.1 | 0.5.0 | *http://live.gnome.org/libgdata* |
| *libgdiplus-devel* | 2.4 | 2.4.2 | *http://mono-project.com/Libgdiplus* |
| *libgdl* | 2.26.0 | 2.28.1 | *http://www.gnome.org/* |
| *libgdl-devel* | 2.26.0 | 2.28.1 | *http://www.gnome.org/* |
| *libgearman* | new | 0.9 | *http://www.gearman.org* |
| *libgearman-devel* | new | 0.9 | *http://www.gearman.org* |
| *libgee-devel* | 0.1.5 | 0.3.0 | *http://live.gnome.org/Libgee* |
| *libglpng-devel* | new | 1.45 | *https://admin.fedoraproject.org/pkgdb/packages/name/libglpng* |
| *libgnome-devel* | 2.26.0 | 2.28.0 | *http://www.gnome.org* |
| *libgnomedb-devel* | 3.99.7 | dropped | *http://www.gnome-db.org/* |
| *libgnomekbd-devel* | 2.26.0 | 2.28.0 | *http://gswitchit.sourceforge.net* |
| *libgnomemm26-devel* | 2.26.0 | 2.28.0 | *http://gtkmm.sourceforge.net/* |
| *libgnomeuimm26-devel* | 2.26.0 | 2.28.0 | *http://gtkmm.sourceforge.net/* |
| *libgphoto2* | 2.4.5 | 2.4.7 | *http://www.gphoto.org/* |
| *libgphoto2-devel* | 2.4.5 | 2.4.7 | *http://www.gphoto.org/* |
| *libgpod-devel* | 0.7.0 | 0.7.2 | *http://www.gtkpod.org/libgpod.html* |
| *libgsf-devel* | 1.14.11 | 1.14.15 | *http://www.gnome.org/projects/libgsf/* |
| *libgsf-gnome-devel* | 1.14.11 | 1.14.15 | *http://www.gnome.org/projects/libgsf/* |
| *libgsf-python* | 1.14.11 | 1.14.15 | *http://www.gnome.org/projects/libgsf/* |
| *libgtop2-devel* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/libgtop/2.28* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libgudev1* | new | 145 | *http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html* |
| *libgudev1-devel* | new | 145 | *http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html* |
| *libguestfs* | new | 1.0.75 | *http://libguestfs.org/* |
| *libguestfs-devel* | new | 1.0.75 | *http://libguestfs.org/* |
| *libguestfs-java* | new | 1.0.75 | *http://libguestfs.org/* |
| *libguestfs-java-devel* | new | 1.0.75 | *http://libguestfs.org/* |
| *libguestfs-javadoc* | new | 1.0.75 | *http://libguestfs.org/* |
| *libgweather-devel* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |
| *libhangul-devel* | 0.0.8 | 0.0.9 | *http://kldp.net/projects/hangul/* |
| *libhugetlbfs-devel* | 2.2 | 2.6 | *http://libhugetlbfs.sourceforge.net/* |
| *libicns-devel* | 0.6.2 | 0.7.0 | *http://icns.sourceforge.net/* |
| *libicu-devel* | 4.0.1 | 4.2.1 | *http://www.icu-project.org/* |
| *libinfinity-devel* | new | 0.3.0 | *http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity* |
| *libinfinity-gtk-devel* | new | 0.3.0 | *http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity* |
| *libint-devel* | new | 1.1.4 | *http://www.files.chem.vt.edu/chem-dept/valeev/software/libint/libint.html* |
| *libiodbc-devel* | new | 3.52.7 | *http://www.iodbc.org/* |
| *libiphone-devel* | 0.1.0 | 0.9.3 | *http://matt.colyer.name/projects/iphone-linux/* |
| *libiphone-python* | new | 0.9.3 | *http://matt.colyer.name/projects/iphone-linux/* |
| *libiptcdata* | 1.0.3 | 1.0.4 | *http://libiptcdata.sourceforge.net/* |
| *libiptcdata-devel* | 1.0.3 | 1.0.4 | *http://libiptcdata.sourceforge.net/* |
| *libiptcdata-python* | 1.0.3 | 1.0.4 | *http://libiptcdata.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libirman-devel* | new | 0.4.5 | *http://lirc.sourceforge.net/software/snapshots/* |
| *libisofs-devel* | 0.6.16 | 0.6.20 | *http://libburnia-project.org/* |
| *libitl-devel* | 0.6.4 | 0.7.0 | *http://www.arabeyes.org/project.php?proj=ITL* |
| *libkate-devel* | 0.3.1 | 0.3.6 | *http://code.google.com/p/libkate/* |
| *libklfbackend-devel* | new | 3.0.1 | *http://klatexformula.sourceforge.net/* |
| *libksba-devel* | 1.0.5 | 1.0.6 | *http://www.gnupg.org/* |
| *liblastfm-devel* | new | 0.3.0 | *http://github.com/mxcl/liblastfm/tree/master* |
| *libldb* | 0.9.3 | 0.9.6 | *http://www.samba.org/* |
| *libldb-devel* | 0.9.3 | 0.9.6 | *http://www.samba.org/* |
| *liblinebreak* | 0.9.6 | 1.2 | *http://vimgadgets.cvs.sourceforge.net/vimgadgets/common/tools/linebreak* |
| *liblinebreak-devel* | new | 1.2 | *http://vimgadgets.cvs.sourceforge.net/vimgadgets/common/tools/linebreak* |
| *liblqr-1-devel* | 0.1.0 | 0.4.1 | *http://liquidrescale.wikidot.com/* |
| *libmemcached-devel* | new | 0.31 | *http://tangent.org/552/libmemcached.html* |
| *libmetalink-devel* | new | 0.0.3 | *https://launchpad.net/libmetalink* |
| *libmicrohttpd* | 0.4.0a | 0.4.2 | *http://www.gnu.org/software/libmicrohttpd/* |
| *libmicrohttpd-devel* | 0.4.0a | 0.4.2 | *http://www.gnu.org/software/libmicrohttpd/* |
| *libmkv-devel* | 0.6.3.1 | 0.6.4 | *http://repo.or.cz/w/libmkv.git* |
| *libmowgli-devel* | 0.5.0 | 0.7.0 | *http://atheme.org* |
| *libmpd-devel* | 0.16.1 | 0.18.0 | *http://gmpc.wikia.com/wiki/Gnome_Music_Player_Client* |
| *libmudflap-devel* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libnc-dap* | 3.7.3 | 3.7.4 | *http://www.opendap.org/* |
| *libnc-dap-devel* | 3.7.3 | 3.7.4 | *http://www.opendap.org/* |
| *libnemesi* | 0.6.4 | 0.6.9 | *http://www.lscube.org/projects/libnemesi* |
| *libnemesi-devel* | 0.6.4 | 0.6.9 | *http://www.lscube.org/projects/libnemesi* |
| *libnet-devel* | 1.1.3 | 1.1.4 | *http://www.sourceforge.net/projects/libnet-dev/* |
| *libnice-devel* | 0.0.6 | 0.0.9 | *http://nice.freedesktop.org/wiki/* |
| *libogg-devel* | 1.1.3 | 1.1.4 | *http://www.xiph.org/* |
| *libogg-devel-docs* | new | 1.1.4 | *http://www.xiph.org/* |
| *libotf-devel* | 0.9.8 | 0.9.9 | *http://www.m17n.org/libotf/* |
| *libp11* | 0.2.3 | 0.2.6 | *http://www.opensc-project.org/libp11* |
| *libp11-devel* | 0.2.3 | 0.2.6 | *http://www.opensc-project.org/libp11* |
| *libpanelappletmm-devel* | 2.22.0 | 2.26.0 | *http://gtkmm.sourceforge.net/* |
| *libpano13* | 2.9.12 | 2.9.14 | *http://panotools.sourceforge.net/* |
| *libpano13-devel* | 2.9.12 | 2.9.14 | *http://panotools.sourceforge.net/* |
| *libpathfinder-nss-devel* | new | 1.1.0 | *http://code.google.com/p/pathfinder-pki/* |
| *libpathfinder-openssl-devel* | new | 1.1.0 | *http://code.google.com/p/pathfinder-pki/* |
| *libpcap* | 0.9.8 | 1.0.0 | *http://www.tcpdump.org* |
| *libpcap-devel* | 0.9.8 | 1.0.0 | *http://www.tcpdump.org* |
| *libpciaccess-devel* | 0.10.5 | 0.10.9 | *http://gitweb.freedesktop.org/?p=xorg/lib/libpciaccess.git* |
| *libplist-devel* | new | 0.13 | *http://matt.colyer.name/projects/iphone-linux/* |
| *libplist-python* | new | 0.13 | *http://matt.colyer.name/projects/iphone-linux/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libpng-devel* | 1.2.35 | 1.2.39 | *http://www.libpng.org/pub/png/* |
| *libpng-static* | 1.2.35 | 1.2.39 | *http://www.libpng.org/pub/png/* |
| *libpng10-devel* | 1.0.43 | 1.0.50 | *http://www.libpng.org/pub/png/libpng.html* |
| *libpri-devel* | 1.4.7 | 1.4.10 | *http://www.asterisk.org/* |
| *libpst-devel* | 0.6.36 | 0.6.44 | *http://www.five-ten-sg.com/libpst/* |
| *libpst-libs* | 0.6.36 | 0.6.44 | *http://www.five-ten-sg.com/libpst/* |
| *libpst-python* | new | 0.6.44 | *http://www.five-ten-sg.com/libpst/* |
| *libpuzzle-devel* | new | 0.11 | *http://libpuzzle.pureftpd.org/project/libpuzzle* |
| *libqinfinity-devel* | new | 1.0 | *http://greghaynes.github.com/libqinfinity/* |
| *librapi-devel* | 0.13.1 | 0.14 | *http://www.synce.org* |
| *libraw1394-devel* | 2.0.1 | 2.0.4 | *http://www.dennedy.org/libraw1394/* |
| *librra-devel* | 0.13 | 0.14 | *http://www.synce.org* |
| *libsamplerate-devel* | 0.1.6 | 0.1.7 | *http://www.mega-nerd.com/SRC/* |
| *libselinux-devel* | 2.0.80 | 2.0.87 | *http://www.selinuxproject.org* |
| *libselinux-python* | 2.0.80 | 2.0.87 | *http://www.selinuxproject.org* |
| *libselinux-ruby* | 2.0.80 | 2.0.87 | *http://www.selinuxproject.org* |
| *libselinux-static* | 2.0.80 | 2.0.87 | *http://www.selinuxproject.org* |
| *libselinux-utils* | 2.0.80 | 2.0.87 | *http://www.selinuxproject.org* |
| *libsemanage-devel* | 2.0.31 | 2.0.39 | *http://www.selinuxproject.org* |
| *libsemanage-python* | 2.0.31 | 2.0.39 | *http://www.selinuxproject.org* |
| *libsepol-devel* | 2.0.36 | 2.0.38 | *http://www.selinuxproject.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libsepol-static* | 2.0.36 | 2.0.38 | *http://www.selinuxproject.org* |
| *libsigc++20-devel* | 2.2.2 | 2.2.4.2 | *http://libsigc.sourceforge.net/* |
| *libsilc-devel* | 1.1.8 | 1.1.10 | *http://www.silcnet.org/* |
| *libsndfile-devel* | 1.0.17 | 1.0.20 | *http://www.mega-nerd.com/libsndfile/* |
| *libsoup* | 2.26.1 | 2.28.1 | *http://live.gnome.org/LibSoup* |
| *libsoup-devel* | 2.26.1 | 2.28.1 | *http://live.gnome.org/LibSoup* |
| *libsphinxclient* | new | 0.9.8.1 | *http://sphinxsearch.com* |
| *libsphinxclient-devel* | new | 0.9.8.1 | *http://sphinxsearch.com* |
| *libss* | new | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *libss-devel* | new | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *libss7-devel* | 1.0.1 | 1.0.2 | *http://www.asterisk.org/* |
| *libssh-devel* | new | 0.2 | *http://0xbadc0de.be/?part=libssh* |
| *libssh2-devel* | 1.0 | 1.2 | *http://www.libssh2.org/* |
| *libssh2-docs* | 1.0 | 1.2 | *http://www.libssh2.org/* |
| *libstdc++-devel* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libstdc++-docs* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libsynce-devel* | 0.13 | 0.14 | *http://www.synce.org* |
| *libtalloc-devel* | 1.2.0 | 2.0.0 | *http://talloc.samba.org/* |
| *libtasn1-devel* | 1.8 | 2.3 | *http://www.gnu.org/software/libtasn1/* |
| *libtdb-devel* | 1.1.3 | 1.1.5 | *http://tdb.samba.org/* |
| *libtevent* | 0.9.3 | 0.9.8 | *http://tevent.samba.org/* |
| *libtevent-devel* | 0.9.3 | 0.9.8 | *http://tevent.samba.org/* |
| *libthai-devel* | 0.1.9 | 0.1.12 | *http://linux.thai.net* |
| *libtheora-devel* | 1.0 | 1.1.0 | *http://www.theora.org* |
| *libtheora-devel-docs* | 1.0 | 1.1.0 | *http://www.theora.org* |
| *libtirpc-devel* | 0.1.10 | 0.2.0 | *http://nfsv4.bullopensource.org/* |
| *libtnc-devel* | new | 1.22 | *http://libtnc.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libtopology-doc* | new | 0.3 | *http://libtopology.ozlabs.org/* |
| *libtorrent-devel* | 0.12.4 | 0.12.5 | *http://libtorrent.rakshasa.no/* |
| *libudev-devel* | 141 | 145 | *http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html* |
| *libusb1-devel* | 1.0.0 | 1.0.3 | *http://libusb.wiki.sourceforge.net/Libusb1.0* |
| *libusb1-static* | 1.0.0 | 1.0.3 | *http://libusb.wiki.sourceforge.net/Libusb1.0* |
| *libuser-devel* | 0.56.9 | 0.56.12 | *https://fedorahosted.org/libuser/* |
| *libuser-python* | 0.56.9 | 0.56.12 | *https://fedorahosted.org/libuser/* |
| *libuuid* | new | 2.16 | *ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng* |
| *libuuid-devel* | new | 2.16 | *ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng* |
| *libv4l-devel* | 0.5.9 | 0.6.3 | *http://hansdegoede.livejournal.com/3636.html* |
| *libvirt* | 0.6.2 | 0.7.1 | *http://libvirt.org/* |
| *libvirt-cim* | 0.5.4 | 0.5.7 | *http://libvirt.org/CIM/* |
| *libvirt-client* | new | 0.7.1 | *http://libvirt.org/* |
| *libvirt-devel* | 0.6.2 | 0.7.1 | *http://libvirt.org/* |
| *libvirt-java* | 0.2.1 | 0.3.0 | *http://libvirt.org/* |
| *libvirt-java-devel* | 0.2.1 | 0.3.0 | *http://libvirt.org/* |
| *libvirt-python* | 0.6.2 | 0.7.1 | *http://libvirt.org/* |
| *libvmime-devel* | new | 0.9.0 | *http://www.vmime.org/* |
| *libvmime-static* | new | 0.9.0 | *http://www.vmime.org/* |
| *libvncserver-devel* | 0.9.1 | 0.9.7 | *http://libvncserver.sourceforge.net/* |
| *libvoikko-devel* | 2.1 | 2.2.1 | *http://voikko.sourceforge.net/* |
| *libvorbis-devel* | 1.2.0 | 1.2.3 | *http://www.xiph.org/* |
| *libvorbis-devel-docs* | new | 1.2.3 | *http://www.xiph.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libwnck-devel* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/libwnck/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libwvstreams-devel* | 4.5.1 | 4.6 | *http://alumnit.ca/wiki/index.php?page=WvStreams* |
| *libxcb-devel* | 1.2 | 1.4 | *http://xcb.freedesktop.org/* |
| *libxcb-python* | new | 1.4 | *http://xcb.freedesktop.org/* |
| *libxdg-basedir-devel* | new | 1.0.2 | *http://n.ethz.ch/student/nevillm/download/libxdg-basedir* |
| *libxkbfile-devel* | 1.0.4 | 1.0.6 | *http://www.x.org* |
| *libxklavier* | 3.9 | 4.0 | *http://gswitchit.sourceforge.net/* |
| *libxklavier-devel* | 3.9 | 4.0 | *http://gswitchit.sourceforge.net/* |
| *libxml2* | 2.7.3 | 2.7.6 | *http://xmlsoft.org/* |
| *libxml2-devel* | 2.7.3 | 2.7.6 | *http://xmlsoft.org/* |
| *libxml2-python* | 2.7.3 | 2.7.6 | *http://xmlsoft.org/* |
| *libxml2-static* | 2.7.3 | 2.7.6 | *http://xmlsoft.org/* |
| *libxslt* | 1.1.24 | 1.1.26 | *http://xmlsoft.org/XSLT/* |
| *libxslt-devel* | 1.1.24 | 1.1.26 | *http://xmlsoft.org/XSLT/* |
| *libxslt-python* | 1.1.24 | 1.1.26 | *http://xmlsoft.org/XSLT/* |
| *libyaz-devel* | 3.0.41 | 3.0.49 | *http://www.indexdata.dk/yaz/* |
| *libzdb-devel* | 2.4 | 2.6 | *http://www.tildeslash.com/libzdb/* |
| *lirc-devel* | 0.8.5 | 0.8.6 | *http://www.lirc.org/* |
| *llvm-ocaml* | 2.5 | 2.6 | *http://llvm.org/* |
| *llvm-ocaml-devel* | 2.5 | 2.6 | *http://llvm.org/* |
| *lmms-devel* | 0.4.3 | 0.4.5 | *http://lmms.sourceforge.net/* |
| *loki-lib* | 0.1.6 | 0.1.7 | *http://sourceforge.net/projects/loki-lib* |
| *loki-lib-devel* | 0.1.6 | 0.1.7 | *http://sourceforge.net/projects/loki-lib* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lpg* | new | 2.0.17 | *http://lpg.sourceforge.net/* |
| *lpg-java* | new | 2.0.17 | *http://lpg.sourceforge.net/* |
| *lpg-java-compat* | new | 1.1.0 | *http://lpg.sourceforge.net/* |
| *lpsolve-devel* | 5.5.0.14 | 5.5.0.15 | *http://sourceforge.net/projects/lpsolve* |
| *lua-filesystem* | 1.4.1 | 1.4.2 | *http://www.keplerproject.org/luafilesystem/* |
| *lvm2-devel* | new | 2.02.53 | *http://sources.redhat.com/lvm2* |
| *lxc-devel* | new | 0.6.3 | *http://lxc.sourceforge.net* |
| *lxpanel-devel* | 0.4.0 | 0.5.3 | *http://lxde.sourceforge.net/* |
| *m17n-db-devel* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-lib-devel* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *maloc-devel* | new | 0.2 | *http://www.fetk.org* |
| *mapnik-demo* | 0.5.2 | 0.6.1 | *http://mapnik.org/* |
| *mapnik-python* | 0.5.2 | 0.6.1 | *http://mapnik.org/* |
| *mapnik-utils* | 0.5.2 | 0.6.1 | *http://mapnik.org/* |
| *matio-devel* | new | 1.3.3 | *http://sourceforge.net/projects/matio* |
| *maven-archiver* | new | 2.2 | *http://maven.apache.org/* |
| *maven-embedder* | new | 2.0.4 | *http://maven.apache.org/* |
| *maven-enforcer-rule-api* | new | 1.0 | *http://svn.apache.org/repos/asf/maven/shared/tags/maven-enforcer-rule-api-1.0-alpha-2* |
| *maven-plugin-tools* | new | 2.1 | *http://maven.apache.org/plugin-tools/* |
| *maven-scm* | 1.0 | 1.2 | *http://maven.apache.org/scm* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *maven-shared* | 1.0 | 8 | *http://maven.apache.org/shared/* |
| *maven-shared-file-management* | 1.0 | 1.2 | *http://maven.apache.org/shared/* |
| *memcached-devel* | new | 1.4.1 | *http://www.danga.com/memcached/* |
| *menu-cache-devel* | 0.2.3 | 0.2.5 | *http://lxde.org* |
| *mesa-demos* | 7.5 | 7.6 | *http://www.mesa3d.org* |
| *mesa-libGL-devel* | 7.5 | 7.6 | *http://www.mesa3d.org* |
| *mesa-libGLU-devel* | 7.5 | 7.6 | *http://www.mesa3d.org* |
| *mesa-libOSMesa-devel* | 7.5 | 7.6 | *http://www.mesa3d.org* |
| *meshmagick-devel* | 0.5.2 | 0.6.0 | *http://www.ogre3d.org/wiki/index.php/MeshMagick* |
| *metacity-devel* | 2.26.0 | 2.28.0 | *http://download.gnome.org/sources/metacity/* |
| *mhash-devel* | 0.9.9 | 0.9.9.9 | *http://mhash.sourceforge.net/* |
| *mimetic-devel* | 0.9.5 | 0.9.6 | *http://codesink.org/mimetic_mime_library.html* |
| *mingw32-atk* | 1.25.2 | 1.27.90 | *http://projects.gnome.org/accessibility/* |
| *mingw32-atk-static* | 1.25.2 | 1.27.90 | *http://projects.gnome.org/accessibility/* |
| *mingw32-binutils* | 2.19.1 | 2.19.51.0.14 | *http://sources.redhat.com/binutils* |
| *mingw32-boost* | new | 1.39.0 | *http://www.boost.org/* |
| *mingw32-boost-static* | new | 1.39.0 | *http://www.boost.org/* |
| *mingw32-cairo* | 1.8.6 | 1.8.8 | *http://cairographics.org* |
| *mingw32-cairo-static* | new | 1.8.8 | *http://cairographics.org* |
| *mingw32-cppunit* | new | 1.12.1 | *http://cppunit.sourceforge.net/* |
| *mingw32-enchant-static* | new | 1.5.0 | *http://www.abisource.com/* |
| *mingw32-filesystem* | 50 | 56 | *http://hg.et.redhat.com/misc/fedora-mingw--devel/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mingw32-gettext-static* | new | 0.17 | *http://www.gnu.org/software/gettext/* |
| *mingw32-glib2* | 2.19.10 | 2.22.0 | *http://www.gtk.org* |
| *mingw32-glib2-static* | 2.19.10 | 2.22.0 | *http://www.gtk.org* |
| *mingw32-glibmm24* | 2.19.2 | 2.22.1 | *http://gtkmm.sourceforge.net/* |
| *mingw32-gtk2* | 2.15.5 | 2.18.3 | *http://www.gtk.org* |
| *mingw32-gtk2-static* | 2.15.5 | 2.18.3 | *http://www.gtk.org* |
| *mingw32-gtkmm24* | new | 2.18.1 | *http://gtkmm.sourceforge.net/* |
| *mingw32-hunspell-static* | new | 1.2.8 | *http://hunspell.sourceforge.net/* |
| *mingw32-jasper-static* | new | 1.900.1 | *http://www.ece.uvic.ca/~mdadams/jasper/* |
| *mingw32-libglade2* | new | 2.6.4 | *http://www.gnome.org* |
| *mingw32-libglade2-static* | new | 2.6.4 | *http://www.gnome.org* |
| *mingw32-libgnurx* | new | 2.5.1 | *http://mingw.sourceforge.net/* |
| *mingw32-libgnurx-static* | new | 2.5.1 | *http://mingw.sourceforge.net/* |
| *mingw32-libidn* | new | 1.14 | *http://www.gnu.org/software/libidn/* |
| *mingw32-libidn-static* | new | 1.14 | *http://www.gnu.org/software/libidn/* |
| *mingw32-libjpeg* | 6b | 7 | *http://www.ijg.org/* |
| *mingw32-libjpeg-static* | new | 7 | *http://www.ijg.org/* |
| *mingw32-libp11* | new | 0.2.6 | *http://www.opensc-project.org/libp11* |
| *mingw32-libpng* | 1.2.35 | 1.2.37 | *http://www.libpng.org/pub/png/* |
| *mingw32-libsigc++20* | 2.2.2 | 2.2.4.2 | *http://libsigc.sourceforge.net/* |
| *mingw32-libsoup* | new | 2.27.92 | *http://live.gnome.org/LibSoup* |
| *mingw32-libsoup-static* | new | 2.27.92 | *http://live.gnome.org/LibSoup* |
| *mingw32-libsq3* | new | 20071018 | *http://www.wanderinghorse.net/computing/sqlite/* |
| *mingw32-libssh2* | new | 1.1 | *http://www.libssh2.org/* |
| *mingw32-libssh2-static* | new | 1.1 | *http://www.libssh2.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mingw32-libtiff-static* | new | 3.8.2 | *http://www.remotesensing.org/libtiff/* |
| *mingw32-libxml2* | 2.7.2 | 2.7.5 | *http://xmlsoft.org/* |
| *mingw32-libxml2-static* | new | 2.7.5 | *http://xmlsoft.org/* |
| *mingw32-libxslt* | new | 1.1.26 | *http://xmlsoft.org/XSLT/* |
| *mingw32-libxslt-static* | new | 1.1.26 | *http://xmlsoft.org/XSLT/* |
| *mingw32-minizip* | new | 1.2.3 | *http://www.zlib.net/* |
| *mingw32-nsis* | 2.44 | 2.45 | *http://nsis.sourceforge.net/* |
| *mingw32-nsiswrapper* | 3 | 4 | *http://fedoraproject.org/wiki/MinGW* |
| *mingw32-opensc* | new | 0.11.9 | *http://www.opensc-project.org/opensc/* |
| *mingw32-openssl* | 0.9.8j | 1.0.0 | *http://www.openssl.org/* |
| *mingw32-openssl-static* | new | 1.0.0 | *http://www.openssl.org/* |
| *mingw32-pango* | 1.23.0 | 1.26.0 | *http://www.pango.org* |
| *mingw32-pango-static* | 1.23.0 | 1.26.0 | *http://www.pango.org* |
| *mingw32-pangomm* | 2.24.0 | 2.26.0 | *http://gtkmm.sourceforge.net/* |
| *mingw32-pixman* | 0.13.2 | 0.16.2 | *http://cgit.freedesktop.org/pixman/* |
| *mingw32-pixman-static* | new | 0.16.2 | *http://cgit.freedesktop.org/pixman/* |
| *mingw32-plotmm* | new | 0.1.2 | *http://plotmm.sourceforge.net/* |
| *mingw32-qt* | 4.5.0 | 4.5.2 | *http://www.qtsoftware.com/* |
| *mingw32-qt-qmake* | 4.5.0 | 4.5.2 | *http://www.qtsoftware.com/* |
| *miredo-devel* | new | 1.1.7 | *http://www.simphalempin.com/dev/miredo/* |
| *mkinitrd-devel* | 6.0.86 | 6.0.93 | *git://git.fedoraproject.org/git/hosted/mkinitrd* |
| *mmdb-devel* | 1.19 | 1.21 | *http://www.ebi.ac.uk/~keb/cldoc/* |
| *mobile-broadband-provider-info-devel* | new | 1.20090918 | *http://live.gnome.org/NetworkManager/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | MobileBroadband/ServiceProviders |
| *moblin-panel-myzone-devel* | new | 0.0.8 | http://www.moblin.org |
| *mojito-devel* | new | 0.21.5 | http://moblin.org/projects/mojito |
| *mono-basic-devel* | 2.4 | 2.4.2 | http://mono.ximian.com/monobuild/preview/sources-preview/ |
| *mono-debugger-devel* | 2.4 | 2.4.2.1 | http://www.go-mono.com/sources-stable/ |
| *mono-moonlight* | 2.4 | 2.4.2.3 | http://www.mono-project.com/Main_Page |
| *mono-nat* | 1.0 | 1.0.2 | http://anonsvn.mono-project.com/viewcvs/trunk/Mono.Nat/ |
| *mono-nat-devel* | 1.0 | 1.0.2 | http://anonsvn.mono-project.com/viewcvs/trunk/Mono.Nat/ |
| *mono-nunit-devel* | 2.4 | 2.4.2.3 | http://www.mono-project.com/Main_Page |
| *monodevelop-debugger-mdb-devel* | new | 2.1.0 | http://www.monodevelop.com |
| *monodevelop-devel* | 2.0 | 2.1.0 | http://monodevelop.com/ |
| *mpich2* | 1.1 | 1.1.1p1 | http://www.mcs.anl.gov/research/projects/mpich2 |
| *mpich2-devel* | 1.1 | 1.1.1p1 | http://www.mcs.anl.gov/research/projects/mpich2 |
| *mrpt-aria* | 0.6.5 | 0.7.1 | http://babel.isa.uma.es/mrpt/ |
| *mrpt-core* | 0.6.5 | 0.7.1 | http://babel.isa.uma.es/mrpt/ |
| *mrpt-devel* | 0.6.5 | 0.7.1 | http://babel.isa.uma.es/mrpt/ |
| *mrpt-hwdrivers* | 0.6.5 | 0.7.1 | http://babel.isa.uma.es/mrpt/ |
| *mrpt-libs* | 0.6.5 | 0.7.1 | http://babel.isa.uma.es/mrpt/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mrpt-monoslam* | new | 0.7.1 | *http://babel.isa.uma.es/mrpt/* |
| *mrpt-reactivenav* | 0.6.5 | 0.7.1 | *http://babel.isa.uma.es/mrpt/* |
| *mrpt-stereoslam* | new | 0.7.1 | *http://babel.isa.uma.es/mrpt/* |
| *muine-devel* | 0.8.10 | 0.8.11 | *http://www.muine-player.org/* |
| *mumble-plugins* | new | 1.1.8 | *http://mumble.sourceforge.net/* |
| *mutter-devel* | new | 2.28.0 | *http://git.gnome.org/cgit/mutter* |
| *mutter-moblin-devel* | new | 0.39.3 | *http://www.moblin.org/* |
| *nautilus-devel* | 2.26.3 | 2.28.1 | *http://projects.gnome.org/nautilus/* |
| *nautilus-extensions* | 2.26.3 | 2.28.1 | *http://projects.gnome.org/nautilus/* |
| *nbtk-devel* | new | 1.2.0 | *http://moblin.org/projects/netbook-toolkit-nbtk* |
| *ncl-devel* | 5.1.0 | 5.1.1 | *http://www.ncl.ucar.edu* |
| *ncl-examples* | 5.1.0 | 5.1.1 | *http://www.ncl.ucar.edu* |
| *nco-devel* | 3.9.7 | 3.9.8 | *http://nco.sourceforge.net/* |
| *nco-static* | 3.9.7 | 3.9.8 | *http://nco.sourceforge.net/* |
| *neon-devel* | 0.28.4 | 0.29.0 | *http://www.webdav.org/neon/* |
| *netatalk-devel* | 2.0.3 | 2.0.4 | *http://netatalk.sourceforge.net/* |
| *netbeans-javaparser* | 6.5 | 6.7.1 | *http://java.netbeans.org/javaparser/* |
| *netbeans-platform* | 6.5 | 6.7.1 | *http://platform.netbeans.org* |
| *netbeans-platform-harness* | 6.5 | 6.7.1 | *http://platform.netbeans.org* |
| *netbeans-resolver* | 6.1 | 6.7.1 | *http://xml.apache.org/commons/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *netbeans-svnclientadapter* | 6.5 | 6.7.1 | *http://subclipse.tigris.org/svnClientAdapter.html* |
| *netcdf-devel* | 4.0.0 | 4.0.1 | *http://my.unidata.ucar.edu/content/software/netcdf/index.html* |
| *netcdf-perl* | 1.2.3 | 1.2.4 | *http://www.unidata.ucar.edu/software/netcdf-perl/* |
| *netcdf-static* | 4.0.0 | 4.0.1 | *http://my.unidata.ucar.edu/content/software/netcdf/index.html* |
| *netcf-devel* | new | 0.1.2 | *https://fedorahosted.org/netcf/* |
| *netembryo* | 0.0.5 | 0.0.9 | *http://www.lscube.org/projects/netembryo* |
| *netembryo-devel* | 0.0.5 | 0.0.9 | *http://www.lscube.org/projects/netembryo* |
| *netpbm-devel* | 10.35.62 | 10.47.04 | *http://netpbm.sourceforge.net/* |
| *newt-devel* | 0.52.10 | 0.52.11 | *https://fedorahosted.org/newt/* |
| *newt-python* | 0.52.10 | 0.52.11 | *https://fedorahosted.org/newt/* |
| *newt-static* | 0.52.10 | 0.52.11 | *https://fedorahosted.org/newt/* |
| *nilfs-utils-devel* | new | 2.0.14 | *http://www.nilfs.org* |
| *nopaste* | 2835 | 0.15 | *http://search.cpan.org/dist/App-Nopaste/* |
| *nspr-devel* | 4.7.3 | 4.8.2 | *http://www.mozilla.org/projects/nspr/* |
| *nss-devel* | 3.12.3 | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *nss-pkcs11-devel* | 3.12.3 | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *nss-softokn-devel* | new | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *nss-util-devel* | new | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *ntl-devel* | 5.4.2 | 5.5.2 | *http://shoup.net/ntl/* |
| *nurbs++* | new | 3.0.11 | *http://sourceforge.net/projects/libnurbs/* |
| *nurbs++-devel* | new | 3.0.11 | *http://sourceforge.net/projects/libnurbs/* |
| *nxcl-devel* | new | 0.9 | *http://freenx.berlios.de/* |
| *ocaml-ancient* | new | 0.9.0 | *http://merjis.com/developers/ancient* |
| *ocaml-ancient-devel* | new | 0.9.0 | *http://merjis.com/developers/ancient* |
| *ocaml-autoconf* | new | 1.0 | *http://forge.ocamlcore.org/projects/ocaml-autoconf/* |
| *ocaml-camlp5* | 5.10 | 5.12 | *http://pauillac.inria.fr/~ddr/camlp5/* |
| *ocaml-camlp5-devel* | 5.10 | 5.12 | *http://pauillac.inria.fr/~ddr/camlp5/* |
| *ocaml-cil* | 1.3.6 | 1.3.7 | *http://cil.sourceforge.net/* |
| *ocaml-cil-cilly* | 1.3.6 | 1.3.7 | *http://cil.sourceforge.net/* |
| *ocaml-cil-devel* | 1.3.6 | 1.3.7 | *http://cil.sourceforge.net/* |
| *ocaml-cil-doc* | 1.3.6 | 1.3.7 | *http://cil.sourceforge.net/* |
| *ocaml-curl* | 0.5.0 | 0.5.1 | *http://sourceforge.net/projects/ocurl* |
| *ocaml-curl-devel* | 0.5.0 | 0.5.1 | *http://sourceforge.net/projects/ocurl* |
| *ocaml-findlib* | 1.2.3 | 1.2.4 | *http://projects.camlcity.org/projects/findlib.html* |
| *ocaml-findlib-devel* | 1.2.3 | 1.2.4 | *http://projects.camlcity.org/projects/findlib.html* |
| *ocaml-json-wheel* | 1.0.4 | 1.0.6 | *http://martin.jambon.free.fr/json-wheel.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ocaml-json-wheel-devel* | 1.0.4 | 1.0.6 | *http://martin.jambon.free.fr/json-wheel.html* |
| *ocaml-lablgl-devel* | 1.03 | 1.04 | *http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgl.html* |
| *ocaml-lablgtk-devel* | 2.12.0 | 2.14.0 | *http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgtk.html* |
| *ocaml-labltk-devel* | 3.11.0 | 3.11.1 | *http://www.ocaml.org* |
| *ocaml-lacaml* | 4.7.6 | 5.1.0 | *http://ocaml.info/home/ocaml_sources.html#lacaml* |
| *ocaml-lacaml-devel* | 4.7.6 | 5.1.0 | *http://ocaml.info/home/ocaml_sources.html#lacaml* |
| *ocaml-libguestfs* | new | 1.0.75 | *http://libguestfs.org/* |
| *ocaml-libguestfs-devel* | new | 1.0.75 | *http://libguestfs.org/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ocaml-ocamlgraph* | 1.0 | 1.1 | *http://ocamlgraph.lri.fr/* |
| *ocaml-ocamlgraph-devel* | 1.0 | 1.1 | *http://ocamlgraph.lri.fr/* |
| *ocaml-pa-do* | 0.8.4 | 0.8.9 | *http://forge.ocamlcore.org/projects/pa-do/* |
| *ocaml-pa-do-devel* | 0.8.4 | 0.8.9 | *http://forge.ocamlcore.org/projects/pa-do/* |
| *ocaml-pcre* | 5.15.0 | 6.0.0 | *http://www.ocaml.info/home/ocaml_sources.html#pcre-ocaml* |
| *ocaml-pcre-devel* | 5.15.0 | 6.0.0 | *http://www.ocaml.info/home/ocaml_sources.html#pcre-ocaml* |
| *ocaml-postgresql* | 1.10.3 | 1.12.3 | *http://www.ocaml.info/home/ocaml_sources.html#postgresql-ocaml* |
| *ocaml-postgresql-devel* | 1.10.3 | 1.12.3 | *http://www.ocaml.info/home/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | ocaml_sources.html#postgresql-ocaml |
| ocaml-pxp | 1.2.0test2 | 1.2.1 | http://projects.camlcity.org/projects/pxp.html |
| ocaml-pxp-devel | 1.2.0test2 | 1.2.1 | http://projects.camlcity.org/projects/pxp.html |
| ocaml-sexplib | 4.2.7 | 4.2.10 | http://www.ocaml.info/home/ocaml_sources.html#sexplib310 |
| ocaml-sexplib-devel | 4.2.7 | 4.2.10 | http://www.ocaml.info/home/ocaml_sources.html#sexplib310 |
| ocaml-sqlite | 1.2.0 | 1.5.0 | http://www.ocaml.info/home/ocaml_sources.html#ocaml-sqlite3 |
| ocaml-sqlite-devel | 1.2.0 | 1.5.0 | http://www.ocaml.info/home/ocaml_sources.html#ocaml-sqlite3 |
| ocfs2-tools-devel | 1.3.9 | 1.4.3 | http://oss.oracle.com/projects/ocfs2-tools/ |
| octave-devel | 3.0.5 | 3.2.3 | http://www.octave.org |
| ode-devel | 0.11 | 0.11.1 | http://www.ode.org |
| ogre-devel | 1.6.1 | 1.6.4 | http://www.ogre3d.org/ |
| ogre-samples | 1.6.1 | 1.6.4 | http://www.ogre3d.org/ |
| opal-devel | 3.6.1 | 3.6.6 | http://www.opalvoip.org/ |
| openaislib-devel | 0.94 | 1.1.0 | http://developer.osdl.org/dev/openais/ |
| openal-soft-devel | new | 1.9.563 | http://kcat.strangesoft.net/openal.html |
| openbabel-devel | 2.2.1 | 2.2.3 | http://openbabel.org/ |
| opencryptoki-devel | new | 2.3.0 | http://sourceforge.net/projects/opencryptoki |
| openct-devel | 0.6.15 | 0.6.17 | http://www.opensc-project.org/openct/ |
| opencv | 1.0.0 | 1.1.0 | http://opencv.willowgarage.com/wiki/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *opencv-devel* | 1.0.0 | 1.1.0 | *http://opencv.willowgarage.com/wiki/* |
| *opencv-python* | 1.0.0 | 1.1.0 | *http://opencv.willowgarage.com/wiki/* |
| *openldap-devel* | 2.4.15 | 2.4.18 | *http://www.openldap.org/* |
| *openmpi* | 1.3.1 | 1.3.3 | *http://www.open-mpi.org/* |
| *openmpi-devel* | 1.3.1 | 1.3.3 | *http://www.open-mpi.org/* |
| *openoffice.org-bsh* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-devel* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-headless* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-pyuno* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-rhino* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-sdk* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-testtools* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openoffice.org-ure* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *opensc-devel* | 0.11.7 | 0.11.9 | *http://www.opensc-project.org/opensc/* |
| *openscada-devel* | new | 0.6.4 | *http://oscada.org.ua* |
| *openscap-devel* | 0.1.4 | 0.5.3 | *http://www.open-scap.org/* |
| *openscap-perl* | new | 0.5.3 | *http://www.open-scap.org/* |
| *openscap-python* | 0.1.4 | 0.5.3 | *http://www.open-scap.org/* |
| *openssl-devel* | 0.9.8k | 1.0.0 | *http://www.openssl.org/* |
| *openssl-static* | 0.9.8k | 1.0.0 | *http://www.openssl.org/* |
| *openvrml-devel* | 0.17.12 | 0.18.3 | *http://openvrml.org* |
| *openvrml-gl-devel* | 0.17.12 | 0.18.3 | *http://openvrml.org* |
| *openwsman-devel* | 2.1.0 | 2.2.0 | *http://www.openwsman.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openwsman-python* | 2.1.0 | 2.2.0 | *http://www.openwsman.org/* |
| *oprofile-devel* | 0.9.4 | 0.9.5 | *http://oprofile.sf.net* |
| *orsa-headers* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *orsa-lam-devel* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *orsa-mpich2-devel* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *orsa-openmpi-devel* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *pacemaker-libs-devel* | new | 1.0.5 | *http://www.clusterlabs.org* |
| *pam-devel* | 1.0.91 | 1.1.0 | *http://www.us.kernel.org/pub/linux/libs/pam/index.html* |
| *pango-devel* | 1.24.1 | 1.26.0 | *http://www.pango.org* |
| *pangomm-devel* | 2.24.0 | 2.26.0 | *http://gtkmm.sourceforge.net/* |
| *papyrus-devel* | 0.11.0 | 0.12.1 | *http://libpapyrus.sourceforge.net/* |
| *papyrus-extras-devel* | 0.11.0 | 0.12.1 | *http://libpapyrus.sourceforge.net/* |
| *papyrus-gtkmm-devel* | 0.11.0 | 0.12.1 | *http://libpapyrus.sourceforge.net/* |
| *parrot* | new | 1.6.0 | *http://www.parrot.org/* |
| *parrot-devel* | new | 1.6.0 | *http://www.parrot.org/* |
| *parrot-tools* | new | 1.6.0 | *http://www.parrot.org/* |
| *parted-devel* | 1.8.8 | 1.9.0 | *http://www.gnu.org/software/parted* |
| *pathfinder-devel* | new | 1.1.0 | *http://code.google.com/p/pathfinder-pki/* |
| *pciutils-devel* | 3.1.2 | 3.1.4 | *http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml* |
| *pcsc-perl* | 1.4.7 | 1.4.8 | *http://ludovic.rousseau.free.fr/softwares/pcsc-perl/* |
| *pdf-tools* | new | 0.29a | *http://search.cpan.org/dist/Text-PDF* |
| *perl-Acme-Damn* | 0.03 | 0.04 | *http://search.cpan.org/dist/Acme-Damn/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Acme-PlayCode* | new | 0.11 | *http://search.cpan.org/dist/Acme-PlayCode/* |
| *perl-Algorithm-C3* | 0.07 | 0.08 | *http://search.cpan.org/dist/Algorithm-C3/* |
| *perl-Algorithm-Dependency* | 1.108 | 1.110 | *http://search.cpan.org/dist/Algorithm-Dependency/* |
| *perl-Algorithm-IncludeExclude* | new | 0.01 | *http://search.cpan.org/dist/Algorithm-IncludeExclude/* |
| *perl-Alien-SeleniumRC* | new | 1.00 | *http://search.cpan.org/dist/Alien-SeleniumRC/* |
| *perl-Alien-wxWidgets* | 0.42 | 0.44 | *http://search.cpan.org/dist/Alien-wxWidgets/* |
| *perl-Any-Moose* | new | 0.10 | *http://search.cpan.org/dist/Any-Moose* |
| *perl-AnyEvent* | 4.350 | 5.11 | *http://search.cpan.org/dist/AnyEvent/* |
| *perl-AnyEvent-AIO* | 1.0 | 1.1 | *http://search.cpan.org/dist/AnyEvent-AIO/* |
| *perl-AnyEvent-BDB* | 1.0 | 1.1 | *http://search.cpan.org/dist/AnyEvent-BDB/* |
| *perl-Apache-RPC* | 0.64 | 0.69 | *http://search.cpan.org/dist/RPC-XML/* |
| *perl-Apache-Session* | 1.87 | 1.88 | *http://search.cpan.org/dist/Apache-Session/* |
| *perl-App-Cache* | 0.35 | 0.36 | *http://search.cpan.org/dist/App-Cache* |
| *perl-App-Cmd* | 0.203 | 0.301 | *http://search.cpan.org/dist/App-Cmd* |
| *perl-App-Daemon* | new | 0.06 | *http://search.cpan.org/dist/App-Daemon/* |
| *perl-App-Nopaste* | new | 0.15 | *http://search.cpan.org/dist/App-Nopaste/* |
| *perl-Archive-Any* | 0.093 | 0.0932 | *http://search.cpan.org/dist/Archive-Any/* |
| *perl-Archive-RPM* | new | 0.04 | *http://search.cpan.org/dist/Archive-RPM* |
| *perl-Archive-Zip* | 1.23 | 1.30 | *http://search.cpan.org/dist/Archive-Zip/* |
| *perl-Array-Compare* | 1.17 | 2.01 | *http://search.cpan.org/dist/Array-Compare/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Array-Diff* | 0.04 | 0.05002 | *http://search.cpan.org/dist/Array-Diff/* |
| *perl-Async-MergePoint* | new | 0.03 | *http://search.cpan.org/dist/Async-MergePoint/* |
| *perl-Authen-SASL* | 2.12 | 2.13 | *http://search.cpan.org/dist/Authen-SASL/* |
| *perl-AutoXS-Header* | 0.03 | 1.02 | *http://search.cpan.org/dist/AutoXS-Header/* |
| *perl-B-Hooks-EndOfScope* | 0.07 | 0.08 | *http://search.cpan.org/dist/B-Hooks-EndOfScope* |
| *perl-B-Hooks-OP-Check* | new | 0.17 | *http://search.cpan.org/dist/B-Hooks-OP-Check* |
| *perl-B-Hooks-OP-Check-StashChange* | new | 0.06 | *http://search.cpan.org/dist/B-Hooks-OP-Check-StashChange/* |
| *perl-B-Utils* | 0.07 | 0.08 | *http://search.cpan.org/dist/B-Utils/* |
| *perl-BDB* | 1.83 | 1.84 | *http://search.cpan.org/dist/BDB/* |
| *perl-BSD-Resource* | 1.28 | 1.29.03 | *http://search.cpan.org/dist/BSD-Resource/* |
| *perl-BZ-Client* | new | 1.02 | *http://search.cpan.org/dist/BZ-Client/* |
| *perl-Beanstalk-Client* | new | 1.05 | *http://search.cpan.org/dist/Beanstalk-Client/* |
| *perl-BerkeleyDB* | 0.34 | 0.39 | *http://search.cpan.org/dist/BerkeleyDB/* |
| *perl-Bio-Graphics* | 1.84 | 1.97 | *http://search.cpan.org/dist/Bio-Graphics/* |
| *perl-Bit-Vector* | 6.4 | 6.6 | *http://search.cpan.org/dist/Bit-Vector/* |
| *perl-Business-ISBN* | 2.04_01 | 2.05 | *http://search.cpan.org/dist/Business-ISBN/* |
| *perl-Business-ISBN-Data* | 20081020 | 20081208 | *http://search.cpan.org/dist/Business-ISBN-Data/* |
| *perl-CGI-Application* | 4.21 | 4.31 | *http://search.cpan.org/dist/CGI-Application/* |
| *perl-CGI-Application-Dispatch* | new | 2.16 | *http://search.cpan.org/dist/CGI-Application-Dispatch/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-CGI-Application-Plugin-AutoRunmode* | new | 0.16 | *http://search.cpan.org/dist/CGI-Application-Plugin-AutoRunmode/* |
| *perl-CGI-Application-Plugin-ConfigAuto* | new | 1.31 | *http://search.cpan.org/dist/CGI-Application-Plugin-ConfigAuto/* |
| *perl-CGI-Application-Plugin-DBH* | new | 4.00 | *http://search.cpan.org/dist/CGI-Application-Plugin-DBH/* |
| *perl-CGI-Application-Plugin-DebugScreen* | new | 0.06 | *http://search.cpan.org/dist/CGI-Application-Plugin-DebugScreen/* |
| *perl-CGI-Application-Plugin-DevPopup* | new | 1.01 | *http://search.cpan.org/dist/CGI-Application-Plugin-DevPopup/* |
| *perl-CGI-Application-Plugin-ErrorPage* | new | 1.21 | *http://search.cpan.org/dist/CGI-Application-Plugin-ErrorPage/* |
| *perl-CGI-Application-Plugin-FillInForm* | new | 1.14 | *http://search.cpan.org/dist/CGI-Application-Plugin-FillInForm/* |
| *perl-CGI-Application-Plugin-Forward* | new | 1.06 | *http://search.cpan.org/dist/CGI-Application-Plugin-Forward/* |
| *perl-CGI-Application-Plugin-LogDispatch* | new | 1.02 | *http://search.cpan.org/dist/CGI-Application-Plugin-LogDispatch/* |
| *perl-CGI-Application-Plugin-Redirect* | new | 1.00 | *http://search.cpan.org/dist/CGI-Application-Plugin-Redirect/* |
| *perl-CGI-Application-Plugin-Session* | new | 1.03 | *http://search.cpan.org/dist/CGI-Application-Plugin-Session/* |
| *perl-CGI-Application-Plugin-Stream* | new | 2.10 | *http://search.cpan.org/dist/CGI-Application-Plugin-Stream/* |
| *perl-CGI-Application-Plugin-TT* | new | 1.04 | *http://search.cpan.org/dist/CGI-Application-Plugin-TT/* |
| *perl-CGI-Application-Plugin-ValidateRM* | new | 2.3 | *http://search.cpan.org/dist/CGI-Application-Plugin-ValidateRM/* |
| *perl-CGI-Application-Plugin-ViewCode* | new | 1.02 | *http://search.cpan.org/dist/CGI-Application-Plugin-ViewCode/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-CGI-Application-Server* | new | 0.061 | *http://search.cpan.org/dist/CGI-Application-Server/* |
| *perl-CGI-Application-Standard-Config* | new | 1.01 | *http://search.cpan.org/dist/CGI-Application-Standard-Config/* |
| *perl-CPAN-DistnameInfo* | 0.07 | 0.08 | *http://search.cpan.org/dist/CPAN-DistnameInfo/* |
| *perl-CSS-Minifier-XS* | 0.03 | 0.04 | *http://search.cpan.org/dist/CSS-Minifier-XS* |
| *perl-CSS-Squish* | 0.07 | 0.08 | *http://search.cpan.org/dist/CSS-Squish/* |
| *perl-Cache-Cache* | 1.05 | 1.06 | *http://search.cpan.org/dist/Cache-Cache/* |
| *perl-Cache-FastMmap* | 1.28 | 1.34 | *http://search.cpan.org/dist/Cache-FastMmap/* |
| *perl-Cache-Memcached* | new | 1.28 | *http://search.cpan.org/dist/Cache-Memcached/* |
| *perl-Capture-Tiny* | new | 0.06 | *http://search.cpan.org/dist/Capture-Tiny/* |
| *perl-Carp-Clan-Share* | new | 0.013 | *http://search.cpan.org/dist/Carp-Clan-Share/* |
| *perl-Catalyst-Action-RenderView* | 0.09 | 0.11 | *http://search.cpan.org/dist/Catalyst-Action-RenderView/* |
| *perl-Catalyst-Controller-FormBuilder* | 0.04 | 0.05 | *http://search.cpan.org/dist/Catalyst-Controller-FormBuilder/* |
| *perl-Catalyst-Controller-HTML-FormFu* | 0.03007 | 0.05000 | *http://search.cpan.org/dist/Catalyst-Controller-HTML-FormFu/* |
| *perl-Catalyst-Devel* | 1.10 | 1.20 | *http://search.cpan.org/dist/Catalyst-Devel/* |
| *perl-Catalyst-Helper-FastCGI-ExternalServer* | new | 0.05 | *http://search.cpan.org/dist/Catalyst-Helper-FastCGI-ExternalServer* |
| *perl-Catalyst-Manual* | 5.7020 | 5.8000 | *http://search.cpan.org/dist/Catalyst-Manual/* |
| *perl-Catalyst-Plugin-Authentication* | 0.10011 | 0.10015 | *http://search.cpan.org/dist/Catalyst-Plugin-Authentication/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Catalyst-Plugin-Cache* | new | 0.08 | *http://search.cpan.org/dist/Catalyst-Plugin-Cache/* |
| *perl-Catalyst-Plugin-ConfigLoader* | 0.22 | 0.27 | *http://search.cpan.org/dist/Catalyst-Plugin-ConfigLoader/* |
| *perl-Catalyst-Plugin-I18N* | 0.08 | 0.09 | *http://search.cpan.org/dist/Catalyst-Plugin-I18N/* |
| *perl-Catalyst-Plugin-PageCache* | new | 0.22 | *http://search.cpan.org/dist/Catalyst-Plugin-PageCache/* |
| *perl-Catalyst-Plugin-Session* | 0.20 | 0.25 | *http://search.cpan.org/dist/Catalyst-Plugin-Session/* |
| *perl-Catalyst-Plugin-Session-State-Cookie* | 0.10 | 0.14 | *http://search.cpan.org/dist/Catalyst-Plugin-Session-State-Cookie/* |
| *perl-Catalyst-Plugin-Session-State-URI* | 0.09 | 0.11 | *http://search.cpan.org/dist/Catalyst-Plugin-Session-State-URI/* |
| *perl-Catalyst-Plugin-Session-Store-Cache* | new | 0.01 | *http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-Cache/* |
| *perl-Catalyst-Plugin-Session-Store-FastMmap* | 0.07 | 0.11 | *http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-FastMmap/* |
| *perl-Catalyst-Plugin-Session-Store-File* | 0.13 | 0.17 | *http://search.cpan.org/dist/Catalyst-Plugin-Session-Store-File/* |
| *perl-Catalyst-Plugin-Setenv* | new | 0.03 | *http://search.cpan.org/dist/Catalyst-Plugin-Setenv/* |
| *perl-Catalyst-Plugin-StackTrace* | 0.09 | 0.10 | *http://search.cpan.org/dist/Catalyst-Plugin-StackTrace/* |
| *perl-Catalyst-Plugin-Static-Simple* | 0.20 | 0.21 | *http://search.cpan.org/dist/Catalyst-Plugin-Static-Simple/* |
| *perl-Catalyst-Plugin-Unicode* | 0.8 | 0.91 | *http://search.cpan.org/dist/Catalyst-Plugin-Unicode/* |
| *perl-Catalyst-Runtime* | 5.71001 | 5.80013 | *http://search.cpan.org/dist/Catalyst-Runtime/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Catalyst-Runtime-scripts* | 5.71001 | 5.80013 | *http://search.cpan.org/dist/Catalyst-Runtime/* |
| *perl-Catalyst-View-Email* | new | 0.13 | *http://search.cpan.org/dist/Catalyst-View-Email/* |
| *perl-Catalyst-View-JSON* | 0.24 | 0.26 | *http://search.cpan.org/dist/Catalyst-View-JSON/* |
| *perl-Catalyst-View-Mason* | new | 0.18 | *http://search.cpan.org/dist/Catalyst-View-Mason/* |
| *perl-Catalyst-View-PDF-Reuse* | new | 0.03 | *http://search.cpan.org/dist/Catalyst-View-PDF-Reuse* |
| *perl-Catalyst-View-TT* | 0.29 | 0.30 | *http://search.cpan.org/dist/Catalyst-View-TT/* |
| *perl-Class-Accessor* | 0.31 | 0.34 | *http://search.cpan.org/dist/Class-Accessor/* |
| *perl-Class-Accessor-Grouped* | 0.08003 | 0.09000 | *http://search.cpan.org/dist/Class-Accessor-Grouped/* |
| *perl-Class-C3-Adopt-NEXT* | 0.07 | 0.12 | *http://search.cpan.org/dist/Class-C3-Adopt-NEXT* |
| *perl-Class-C3-Componentised* | 1.0003 | 1.0006 | *http://search.cpan.org/dist/Class-C3-Componentised/* |
| *perl-Class-C3-XS* | 0.11 | 0.13 | *http://search.cpan.org/dist/Class-C3-XS/* |
| *perl-Class-DBI-Plugin-DeepAbstractSearch* | new | 0.08 | *http://search.cpan.org/dist/Class-DBI-Plugin-DeepAbstractSearch* |
| *perl-Class-Inspector* | 1.23 | 1.24 | *http://search.cpan.org/dist/Class-Inspector/* |
| *perl-Class-MOP* | 0.80 | 0.94 | *http://search.cpan.org/dist/Class-MOP/* |
| *perl-Class-Method-Modifiers* | 1.01 | 1.04 | *http://search.cpan.org/dist/Class-Method-Modifiers* |
| *perl-Class-Mix* | new | 0.003 | *http://search.cpan.org/dist/Class-Mix/* |
| *perl-Class-XSAccessor* | 0.14 | 1.03 | *http://search.cpan.org/dist/Class-XSAccessor/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Class-XSAccessor-Array* | 0.14 | 1.04 | *http://search.cpan.org/dist/Class-XSAccessor-Array/* |
| *perl-Clipboard* | new | 0.09 | *http://search.cpan.org/dist/Clipboard/* |
| *perl-Compress-Raw-Bzip2* | 2.005 | 2.020 | *http://search.cpan.org/dist/Compress-Raw-Bzip2/* |
| *perl-Config-Auto* | new | 0.20 | *http://search.cpan.org/dist/Config-Auto/* |
| *perl-Config-General* | 2.42 | 2.44 | *http://search.cpan.org/dist/Config-General/* |
| *perl-Config-INI* | new | 0.014 | *http://search.cpan.org/dist/Config-INI/* |
| *perl-Config-JFDI* | new | 0.063 | *http://search.cpan.org/dist/Config-JFDI/* |
| *perl-Config-Model* | new | 0.638 | *http://search.cpan.org/dist/Config-Model/* |
| *perl-Config-Properties* | new | 1.70 | *http://search.cpan.org/dist/Config-Properties/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Convert-ASN1* | 0.21 | 0.22 | *http://search.cpan.org/dist/Convert-ASN1/* |
| *perl-Convert-Binary-C* | 0.71 | 0.74 | *http://search.cpan.org/dist/Convert-Binary-C/* |
| *perl-Convert-UUlib* | 1.11 | 1.12 | *http://search.cpan.org/dist/Convert-UUlib/* |
| *perl-Crypt-CipherSaber* | new | 1.00 | *http://search.cpan.org/dist/Crypt-CipherSaber/* |
| *perl-Crypt-DSA* | 0.14 | 1.16 | *http://search.cpan.org/dist/Crypt-DSA/* |
| *perl-Crypt-Eksblowfish* | new | 0.007 | *http://search.cpan.org/dist/Crypt-Eksblowfish/* |
| *perl-Crypt-GPG* | new | 1.63 | *http://search.cpan.org/dist/Crypt-GPG/* |
| *perl-Crypt-RSA* | 1.98 | 1.99 | *http://search.cpan.org/dist/Crypt-RSA/* |
| *perl-Crypt-Twofish* | new | 2.13 | *http://search.cpan.org/dist/Crypt-Twofish/* |
| *perl-Curses* | 1.20 | 1.27 | *http://search.cpan.org/dist/Curses/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-DBD-MySQL* | 4.010 | 4.013 | *http://search.cpan.org/dist/DBD-mysql/* |
| *perl-DBD-Pg* | 2.11.6 | 2.15.1 | *http://search.cpan.org/dist/DBD-Pg/* |
| *perl-DBD-SQLite* | 1.14 | 1.25 | *http://search.cpan.org/dist/DBD-SQLite/* |
| *perl-DBI* | 1.607 | 1.609 | *http://dbi.perl.org/* |
| *perl-DBICx-TestDatabase* | new | 0.02 | *http://search.cpan.org/dist/DBICx-TestDatabase* |
| *perl-DBIx-Class* | 0.08012 | 0.08108 | *http://search.cpan.org/dist/DBIx-Class/* |
| *perl-DBIx-Class-DateTime-Epoch* | 0.03 | 0.05 | *http://search.cpan.org/dist/DBIx-Class-DateTime-Epoch* |
| *perl-DBIx-Class-DynamicDefault* | new | 0.03 | *http://search.cpan.org/dist/DBIx-Class-DynamicDefault* |
| *perl-DBIx-Class-EncodedColumn* | new | 0.00004 | *http://search.cpan.org/dist/DBIx-Class-EncodedColumn/* |
| *perl-DBIx-Class-Schema-Loader* | 0.04005 | 0.04006 | *http://search.cpan.org/dist/DBIx-Class-Schema-Loader/* |
| *perl-DBIx-Class-TimeStamp* | new | 0.12 | *http://search.cpan.org/dist/DBIx-Class-TimeStamp/* |
| *perl-DBIx-SearchBuilder* | 1.54 | 1.56 | *http://search.cpan.org/dist/DBIx-SearchBuilder/* |
| *perl-Daemon-Generic* | new | 0.61 | *http://search.cpan.org/dist/Daemon-Generic/* |
| *perl-Data-Dump* | 1.14 | 1.15 | *http://search.cpan.org/dist/Data-Dump/* |
| *perl-Data-Dumper-Names* | new | 0.03 | *http://search.cpan.org/dist/Data-Dumper-Names/* |
| *perl-Data-FormValidator-Constraints-DateTime* | new | 1.09 | *http://search.cpan.org/dist/Data-FormValidator-Constraints-DateTime/* |
| *perl-Data-ICal* | 0.15 | 0.16 | *http://search.cpan.org/dist/Data-ICal/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Data-ObjectDriver* | new | 0.06 | *http://search.cpan.org/dist/Data-ObjectDriver/* |
| *perl-Data-Report* | new | 0.10 | *http://search.cpan.org/dist/Data-Report/* |
| *perl-Data-Section* | 0.005 | 0.091820 | *http://search.cpan.org/dist/Data-Section/* |
| *perl-Data-Visitor* | 0.22 | 0.25 | *http://search.cpan.org/dist/Data-Visitor/* |
| *perl-Date-Calc* | 5.4 | 5.6 | *http://search.cpan.org/dist/Date-Calc/* |
| *perl-DateTime-Calendar-Mayan* | new | 0.0601 | *http://search.cpan.org/dist/DateTime-Calendar-Mayan* |
| *perl-DateTime-Format-Flexible* | 0.05 | 0.09 | *http://search.cpan.org/dist/DateTime-Format-Flexible* |
| *perl-DateTime-Format-HTTP* | 0.37 | 0.38 | *http://search.cpan.org/dist/DateTime-Format-HTTP* |
| *perl-DateTime-Format-Natural* | 0.76 | 0.79 | *http://search.cpan.org/dist/DateTime-Format-Natural/* |
| *perl-DateTime-Format-Pg* | 0.16003 | 0.16004 | *http://search.cpan.org/dist/DateTime-Format-Pg/* |
| *perl-DateTime-Format-SQLite* | new | 0.10 | *http://search.cpan.org/dist/DateTime-Format-SQLite* |
| *perl-DateTimeX-Easy* | 0.085 | 0.087 | *http://search.cpan.org/dist/DateTimeX-Easy* |
| *perl-Devel-Cycle* | 1.10 | 1.11 | *http://search.cpan.org/dist/Devel-Cycle/* |
| *perl-Devel-FindRef* | new | 1.42 | *http://search.cpan.org/dist/Devel-FindRef/* |
| *perl-Devel-LeakGuard-Object* | new | 0.06 | *http://search.cpan.org/dist/Devel-LeakGuard-Object/* |
| *perl-Devel-NYTProf* | 2.09 | 2.10 | *http://search.cpan.org/dist/Devel-NYTProf/* |
| *perl-Devel-REPL* | new | 1.003007 | *http://search.cpan.org/dist/Devel-REPL/* |
| *perl-Devel-Refcount* | new | 0.06 | *http://search.cpan.org/dist/Devel-Refcount/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Devel-StackTrace* | 1.20 | 1.22 | *http://search.cpan.org/dist/Devel-StackTrace* |
| *perl-Devel-Symdump* | 2.07 | 2.08 | *http://search.cpan.org/dist/Devel-Symdump/* |
| *perl-Digest-SHA1* | 2.11 | 2.12 | *http://search.cpan.org/dist/Digest-SHA1/* |
| *perl-Email-MIME-Creator* | 1.455 | 1.456 | *http://search.cpan.org/dist/Email-MIME-Creator/* |
| *perl-Email-MIME-Encodings* | 1.312 | 1.313 | *http://search.cpan.org/dist/Email-MIME-Encodings/* |
| *perl-Email-MIME-Modifier* | 1.443 | 1.444 | *http://search.cpan.org/dist/Email-MIME-Modifier/* |
| *perl-Event* | 1.11 | 1.12 | *http://search.cpan.org/dist/Event/* |
| *perl-Exception-Class* | 1.26 | 1.29 | *http://search.cpan.org/dist/Exception-Class/* |
| *perl-Exception-Class-TryCatch* | new | 1.12 | *http://search.cpan.org/dist/Exception-Class-TryCatch/* |
| *perl-ExtUtils-Depends* | 0.301 | 0.302 | *http://search.cpan.org/dist/ExtUtils-Depends/* |
| *perl-ExtUtils-InferConfig* | new | 1.03 | *http://search.cpan.org/dist/ExtUtils-InferConfig/* |
| *perl-ExtUtils-InstallPAR* | new | 0.03 | *http://search.cpan.org/dist/ExtUtils-InstallPAR/* |
| *perl-FCGI-ProcManager* | 0.18 | 0.19 | *http://search.cpan.org/dist/FCGI-ProcManager* |
| *perl-Fedora-Bugzilla* | 0.05 | 0.10 | *http://camelus.fedorahosted.org* |
| *perl-File-ChangeNotify* | new | 0.07 | *http://search.cpan.org/dist/File-ChangeNotify* |
| *perl-File-Find-Rule-Perl* | 1.04 | 1.09 | *http://search.cpan.org/dist/File-Find-Rule-Perl/* |
| *perl-File-Flock* | new | 2008.01 | *http://search.cpan.org/dist/File-Flock/* |
| *perl-File-HomeDir* | 0.84 | 0.86 | *http://search.cpan.org/dist/File-HomeDir/* |
| *perl-File-ShareDir-PAR* | 0.03 | 0.05 | *http://search.cpan.org/dist/File-ShareDir-PAR/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-File-Which* | 0.05 | 1.09 | *http://search.cpan.org/dist/File-Which/* |
| *perl-FileHandle-Unget* | 0.1622 | 0.1623 | *http://search.cpan.org/dist/FileHandle-Unget/* |
| *perl-Flickr-API* | new | 1.02 | *http://search.cpan.org/dist/Flickr-API/* |
| *perl-Flickr-Upload* | new | 1.32 | *http://search.cpan.org/dist/Flickr-Upload/* |
| *perl-GD* | 2.41 | 2.44 | *http://search.cpan.org/dist/GD/* |
| *perl-Geo-IP* | 1.36 | 1.38 | *http://search.cpan.org/dist/Geo-IP/* |
| *perl-Getopt-ArgvFile* | new | 1.11 | *http://search.cpan.org/dist/Getopt-ArgvFile/* |
| *perl-Getopt-Euclid* | 0.1.0 | 0.2.1 | *http://search.cpan.org/dist/Getopt-Euclid/* |
| *perl-Getopt-Long-Descriptive* | 0.074 | 0.077 | *http://search.cpan.org/dist/Getopt-Long-Descriptive/* |
| *perl-Git* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *perl-Git-CPAN-Patch* | 0.1.5 | 0.2.1 | *http://search.cpan.org/dist/Git-CPAN-Patch/* |
| *perl-Glib-devel* | new | 1.201 | *http://search.cpan.org/dist/Glib/* |
| *perl-Gnome2-Wnck* | new | 0.16 | *http://search.cpan.org/dist/Gnome2-Wnck/* |
| *perl-Goo-Canvas* | new | 0.06 | *http://search.cpan.org/dist/Goo-Canvas/* |
| *perl-HTML-Defang* | new | 1.02 | *http://search.cpan.org/dist/HTML-Defang/* |
| *perl-HTML-FillInForm* | new | 2.00 | *http://search.cpan.org/dist/HTML-FillInForm/* |
| *perl-HTML-FormFu* | 0.03007 | 0.05001 | *http://search.cpan.org/dist/HTML-FormFu/* |
| *perl-HTML-FormFu-Model-DBIC* | 0.03007 | 0.05002 | *http://search.cpan.org/dist/HTML-FormFu-Model-DBIC* |
| *perl-HTML-GenToc* | new | 3.10 | *http://search.cpan.org/dist/HTML-GenToc/* |
| *perl-HTML-Mason* | 1.40 | 1.42 | *http://www.masonhq.com/* |
| *perl-HTML-Parser* | 3.59 | 3.64 | *http://search.cpan.org/dist/HTML-Parser/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-HTML-StripScripts* | new | 1.04 | *http://search.cpan.org/dist/HTML-StripScripts/* |
| *perl-HTML-StripScripts-Parser* | new | 1.02 | *http://search.cpan.org/dist/HTML-StripScripts-Parser/* |
| *perl-HTML-Template-Pro* | 0.71 | 0.87 | *http://search.cpan.org/dist/HTML-Template-Pro/* |
| *perl-HTML-Toc* | new | 1.11 | *http://search.cpan.org/dist/HTML-Toc/* |
| *perl-HTML-TreeBuilder-XPath* | new | 0.11 | *http://search.cpan.org/dist/HTML-TreeBuilder-XPath/* |
| *perl-HTML-WikiConverter* | new | 0.68 | *http://search.cpan.org/dist/HTML-WikiConverter/* |
| *perl-HTML-WikiConverter-Markdown* | new | 0.05 | *http://search.cpan.org/dist/HTML-WikiConverter-Markdown/* |
| *perl-HTTP-Request-AsCGI* | 0.5 | 0.9 | *http://search.cpan.org/dist/HTTP-Request-AsCGI/* |
| *perl-HTTP-Response-Encoding* | 0.05 | 0.06 | *http://search.cpan.org/dist/HTTP-Response-Encoding/* |
| *perl-HTTP-Server-Simple* | 0.38 | 0.41 | *http://search.cpan.org/dist/HTTP-Server-Simple/* |
| *perl-HTTP-Server-Simple-Mason* | 0.11 | 0.13 | *http://search.cpan.org/dist/HTTP-Server-Simple-Mason/* |
| *perl-Hash-Merge* | new | 0.11 | *http://search.cpan.org/dist/Hash-Merge/* |
| *perl-IO-Async* | new | 0.23 | *http://search.cpan.org/dist/IO-Async/* |
| *perl-IO-Socket-SSL* | 1.24 | 1.31 | *http://search.cpan.org/dist/IO-Socket-SSL/* |
| *perl-IPC-Run* | 0.82 | 0.84 | *http://search.cpan.org/dist/IPC-Run/* |
| *perl-IPC-Run3* | 0.042 | 0.043 | *http://search.cpan.org/dist/IPC-Run3/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-JSON* | 2.14 | 2.15 | *http://search.cpan.org/dist/JSON/* |
| *perl-JSON-RPC* | new | 0.96 | *http://search.cpan.org/dist/JSON-RPC/* |
| *perl-JSON-RPC-Common* | new | 0.03 | *http://search.cpan.org/dist/JSON-RPC-Common* |
| *perl-JSON-XS* | 2.2311 | 2.24 | *http://search.cpan.org/dist/JSON-XS/* |
| *perl-JavaScript-Beautifier* | new | 0.13 | *http://search.cpan.org/dist/JavaScript-Beautifier/* |
| *perl-JavaScript-Minifier* | new | 1.05 | *http://search.cpan.org/dist/JavaScript-Minifier/* |
| *perl-JavaScript-Minifier-XS* | new | 0.06 | *http://search.cpan.org/dist/JavaScript-Minifier-XS/* |
| *perl-Jcode* | 2.06 | 2.07 | *http://search.cpan.org/dist/Jcode/* |
| *perl-Lexical-Persistence* | new | 1.01 | *http://search.cpan.org/dist/Lexical-Persistence/* |
| *perl-Lingua-Flags* | new | 0.05 | *http://search.cpan.org/dist/Lingua-Flags/* |
| *perl-Linux-Inotify2* | new | 1.2 | *http://search.cpan.org/dist/Linux-Inotify2* |
| *perl-Locale-Msgfmt* | new | 0.14 | *http://search.cpan.org/dist/Locale-Msgfmt/* |
| *perl-Locale-PO* | new | 0.21 | *http://search.cpan.org/dist/Locale-PO/* |
| *perl-Log-Log4perl* | 1.20 | 1.24 | *http://search.cpan.org/dist/Log-Log4perl/* |
| *perl-Log-LogLite* | new | 0.82 | *http://search.cpan.org/dist/Log-LogLite/* |
| *perl-MIME-Charset* | new | 1.006.2 | *http://search.cpan.org/dist/MIME-Charset/* |
| *perl-MIME-EncWords* | new | 1.010.101 | *http://search.cpan.org/dist/MIME-EncWords/* |
| *perl-MIME-Lite* | 3.01 | 3.027 | *http://search.cpan.org/dist/MIME-Lite/* |
| *perl-MIME-Types* | 1.27 | 1.28 | *http://search.cpan.org/dist/MIME-Types/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-MP3-Info* | 1.23 | 1.24 | *http://search.cpan.org/dist/MP3-Info* |
| *perl-MRO-Compat* | 0.10 | 0.11 | *http://search.cpan.org/dist/MRO-Compat/* |
| *perl-Mail-Box* | 2.087 | 2.091 | *http://search.cpan.org/dist/Mail-Box/* |
| *perl-Mail-DKIM* | 0.32 | 0.37 | *http://dkimproxy.sourceforge.net/* |
| *perl-Mail-IMAPClient* | 3.14 | 3.21 | *http://search.cpan.org/dist/Mail-IMAPClient/* |
| *perl-Mail-Mbox-MessageParser* | 1.5000 | 1.5002 | *http://search.cpan.org/dist/Mail-Mbox-MessageParser/* |
| *perl-Mail-SPF-Query* | 1.999.1 | dropped | *http://search.cpan.org/dist/Mail-SPF-Query/* |
| *perl-Math-Calc-Units* | new | 1.06 | *http://search.cpan.org/dist/Math-Calc-Units/* |
| *perl-Math-Curve-Hilbert* | new | 0.04 | *http://search.cpan.org/dist/Math-Curve-Hilbert/* |
| *perl-Math-GMP* | 2.05 | 2.06 | *http://search.cpan.org/dist/Math-GMP/* |
| *perl-Mixin-Linewise* | new | 0.002 | *http://search.cpan.org/dist/Mixin-Linewise/* |
| *perl-Module-CPANTS-Analyse* | 0.82 | 0.85 | *http://search.cpan.org/dist/Module-CPANTS-Analyse/* |
| *perl-Module-Find* | 0.06 | 0.08 | *http://search.cpan.org/dist/Module-Find/* |
| *perl-Module-Install* | 0.82 | 0.91 | *http://search.cpan.org/dist/Module-Install/* |
| *perl-Module-Pluggable* | 3.60 | 3.90 | *http://www.perl.org/* |
| *perl-Module-Pluggable-Ordered* | new | 1.5 | *http://search.cpan.org/dist/Module-Pluggable-Ordered/* |
| *perl-Module-ScanDeps* | 0.89 | 0.95 | *http://search.cpan.org/dist/Module-ScanDeps/* |
| *perl-Module-Starter* | 1.50 | 1.52 | *http://search.cpan.org/dist/Module-Starter* |
| *perl-Module-Starter-Plugin-CGIApp* | new | 0.10 | *http://search.cpan.org/dist/Module-Starter-Plugin-CGIApp/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Module-Used* | new | 1.2.0 | *http://search.cpan.org/dist/Module-Used/* |
| *perl-Module-Util* | 1.05 | 1.07 | *http://search.cpan.org/dist/Module-Util* |
| *perl-Moose* | 0.73 | 0.92 | *http://search.cpan.org/dist/Moose/* |
| *perl-MooseX-App-Cmd* | 0.04 | 0.06 | *http://search.cpan.org/dist/MooseX-App-Cmd* |
| *perl-MooseX-AttributeHelpers* | 0.16 | 0.22 | *http://search.cpan.org/dist/MooseX-AttributeHelpers/* |
| *perl-MooseX-ClassAttribute* | 0.07 | 0.08 | *http://search.cpan.org/dist/MooseX-ClassAttribute/* |
| *perl-MooseX-Emulate-Class-Accessor-Fast* | 0.00800 | 0.00903 | *http://search.cpan.org/dist/MooseX-Emulate-Class-Accessor-Fast* |
| *perl-MooseX-Getopt* | 0.15 | 0.22 | *http://search.cpan.org/dist/MooseX-Getopt/* |
| *perl-MooseX-Iterator* | 0.09 | 0.11 | *http://search.cpan.org/dist/MooseX-Iterator/* |
| *perl-MooseX-Log-Log4perl* | 0.31 | 0.40 | *http://search.cpan.org/dist/MooseX-Log-Log4perl* |
| *perl-MooseX-MethodAttributes* | new | 0.18 | *http://search.cpan.org/dist/MooseX-MethodAttributes* |
| *perl-MooseX-Object-Pluggable* | 0.0009 | 0.0011 | *http://search.cpan.org/dist/MooseX-Object-Pluggable/* |
| *perl-MooseX-POE* | 0.1 | 0.204 | *http://search.cpan.org/dist/MooseX-POE/* |
| *perl-MooseX-Params-Validate* | 0.07 | 0.12 | *http://search.cpan.org/dist/MooseX-Params-Validate/* |
| *perl-MooseX-Role-Cmd* | 0.04 | 0.05 | *http://search.cpan.org/dist/MooseX-Role-Cmd/* |
| *perl-MooseX-Role-Parameterized* | 0.04 | 0.09 | *http://search.cpan.org/dist/MooseX-Role-Parameterized* |
| *perl-MooseX-Role-XMLRPC-Client* | new | 0.04 | *http://search.cpan.org/dist/MooseX-Role-XMLRPC-Client* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-MooseX-SemiAffordanceAccessor* | new | 0.05 | *http://search.cpan.org/dist/MooseX-SemiAffordanceAccessor* |
| *perl-MooseX-Singleton* | 0.14 | 0.17 | *http://search.cpan.org/dist/MooseX-Singleton/* |
| *perl-MooseX-Storage* | new | 0.21 | *http://search.cpan.org/dist/MooseX-Storage* |
| *perl-MooseX-StrictConstructor* | 0.07 | 0.08 | *http://search.cpan.org/dist/MooseX-StrictConstructor* |
| *perl-MooseX-Types* | 0.10 | 0.20 | *http://search.cpan.org/dist/MooseX-Types* |
| *perl-MooseX-Types-URI* | 0.01 | 0.02 | *http://search.cpan.org/dist/MooseX-Types-URI* |
| *perl-MooseX-Workers* | 0.04 | 0.05 | *http://search.cpan.org/dist/MooseX-Workers/* |
| *perl-Mouse* | 0.19 | 0.35 | *http://search.cpan.org/dist/Mouse* |
| *perl-Nagios-Plugin* | new | 0.33 | *http://search.cpan.org/dist/Nagios-Plugin/* |
| *perl-Net-Amazon* | new | 0.57 | *http://search.cpan.org/dist/Net-Amazon/* |
| *perl-Net-CUPS* | 0.59 | 0.61 | *http://search.cpan.org/dist/Net-CUPS/* |
| *perl-Net-DNS* | 0.63 | 0.65 | *http://www.net-dns.org/* |
| *perl-Net-DNS-Nameserver* | 0.63 | 0.65 | *http://www.net-dns.org/* |
| *perl-Net-LibIDN* | 0.11 | 0.12 | *http://search.cpan.org/dist/Net-LibIDN/* |
| *perl-Net-OAuth* | 0.14 | 0.19 | *http://search.cpan.org/dist/Net-OAuth/* |
| *perl-Net-Patricia* | 1.014 | 1.15 | *http://search.cpan.org/dist/Net-Patricia/* |
| *perl-Net-SSH2* | 0.18 | 0.27 | *http://search.cpan.org/dist/Net-SSH2/* |
| *perl-Net-UPnP* | new | 1.41 | *http://search.cpan.org/dist/Net-UPnP/* |
| *perl-NetAddr-IP* | 4.007 | 4.027 | *http://search.cpan.org/dist/NetAddr-IP/* |
| *perl-Number-Format* | 1.70 | 1.72a | *http://search.cpan.org/dist/Number-Format/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-ORLite* | 1.20 | 1.22 | *http://search.cpan.org/dist/ORLite/* |
| *perl-ORLite-Migrate* | 0.01 | 0.03 | *http://search.cpan.org/dist/ORLite-Migrate/* |
| *perl-Object-InsideOut* | 3.51 | 3.56 | *http://search.cpan.org/dist/Object-InsideOut* |
| *perl-PAR* | 0.983 | 0.994 | *http://search.cpan.org/dist/PAR/* |
| *perl-PAR-Dist* | 0.43 | 0.46 | *http://search.cpan.org/dist/PAR-Dist/* |
| *perl-PAR-Packer* | new | 0.991 | *http://search.cpan.org/dist/PAR-Packer/* |
| *perl-PDF-Reuse* | new | 0.35 | *http://search.cpan.org/dist/PDF-Reuse* |
| *perl-PDL* | 2.4.4 | 2.4.4_05 | *http://pdl.perl.org/* |
| *perl-POE* | 1.003 | 1.269 | *http://search.cpan.org/dist/POE/* |
| *perl-POE-API-Peek* | 1.0802 | 1.34 | *http://search.cpan.org/dist/POE-API-Peek/* |
| *perl-POE-Component-Client-DNS* | 1.00 | 1.050 | *http://search.cpan.org/dist/POE-Component-Client-DNS* |
| *perl-POE-Component-Client-Keepalive* | 0.1000 | 0.2600 | *http://search.cpan.org/dist/POE-Component-Client-Keepalive* |
| *perl-POE-Component-Client-SMTP* | new | 0.22 | *http://search.cpan.org/dist/POE-Component-Client-SMTP/* |
| *perl-POE-Component-IRC* | 5.88 | 6.14 | *http://search.cpan.org/dist/POE-Component-IRC* |
| *perl-POE-Component-JobQueue* | 0.5500 | 0.570 | *http://search.cpan.org/dist/POE-Component-JobQueue* |
| *perl-POE-Component-Log4perl* | new | 0.02 | *http://search.cpan.org/dist/POE-Component-Log4perl/* |
| *perl-POE-Component-SSLify* | 0.14 | 0.15 | *http://search.cpan.org/dist/POE-Component-SSLify/* |
| *perl-POE-Component-Server-Bayeux* | new | 0.02 | *http://search.cpan.org/dist/POE-Component-Server-Bayeux/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-POE-Component-SimpleDBI* | 1.18 | 1.27 | *http://search.cpan.org/dist/POE-Component-SimpleDBI/* |
| *perl-POE-Filter-IRCD* | 2.2 | 2.40 | *http://search.cpan.org/dist/POE-Filter-IRCD* |
| *perl-POE-Filter-Transparent-SMTP* | new | 0.2 | *http://search.cpan.org/dist/POE-Filter-Transparent-SMTP/* |
| *perl-POE-Filter-Zlib* | 2.01 | 2.02 | *http://search.cpan.org/dist/POE-Filter-Zlib/* |
| *perl-POE-Test-Loops* | 1.005 | 1.022 | *http://search.cpan.org/dist/POE-Test-Loops* |
| *perl-PPI* | 1.203 | 1.206 | *http://search.cpan.org/dist/PPI/* |
| *perl-PPIx-EditorTools* | new | 0.07 | *http://search.cpan.org/dist/PPIx-EditorTools/* |
| *perl-Package-Generator* | 0.102 | 0.103 | *http://search.cpan.org/dist/Package-Generator/* |
| *perl-PadWalker* | 1.7 | 1.9 | *http://search.cpan.org/dist/PadWalker/* |
| *perl-Panotools-Script* | 0.19 | 0.22 | *http://search.cpan.org/dist/Panotools-Script/* |
| *perl-Params-Util* | 0.38 | 1.00 | *http://search.cpan.org/dist/Params-Util/* |
| *perl-Parse-BACKPAN-Packages* | 0.34 | 0.35 | *http://search.cpan.org/dist/Parse-BACKPAN-Packages* |
| *perl-Parse-CPAN-Meta* | 0.04 | 1.40 | *http://search.cpan.org/dist/Parse-CPAN-Meta/* |
| *perl-Parse-CPAN-Packages* | 2.30 | 2.31 | *http://search.cpan.org/dist/Parse-CPAN-Packages/* |
| *perl-Parse-ExuberantCTags* | new | 1.01 | *http://search.cpan.org/dist/Parse-ExuberantCTags/* |
| *perl-Parse-RecDescent* | 1.96 | 1.962.2 | *http://search.cpan.org/dist/Parse-RecDescent/* |
| *perl-Perl-Critic* | 1.092 | 1.105 | *http://search.cpan.org/dist/Perl-Critic/* |
| *perl-Perl-MinimumVersion* | 1.19 | 1.20 | *http://search.cpan.org/dist/Perl-MinimumVersion/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Perl-Tags* | new | 0.26 | *http://search.cpan.org/dist/Perl-Tags/* |
| *perl-Pod-Abstract* | new | 0.17 | *http://search.cpan.org/dist/Pod-Abstract/* |
| *perl-Pod-POM* | 0.18 | 0.25 | *http://search.cpan.org/dist/Pod-POM/* |
| *perl-Pod-Xhtml* | new | 1.59 | *http://search.cpan.org/dist/Pod-Xhtml/* |
| *perl-Proc-Simple* | new | 1.26 | *http://search.cpan.org/dist/Proc-Simple/* |
| *perl-RPC-XML* | 0.64 | 0.69 | *http://search.cpan.org/dist/RPC-XML/* |
| *perl-RT-Client-REST* | new | 0.37 | *http://search.cpan.org/dist/RT-Client-REST* |
| *perl-SNMP-Info* | 1.04 | 2.01 | *http://search.cpan.org/dist/SNMP-Info/* |
| *perl-SOAP-Lite* | 0.710.08 | 0.710.10 | *http://search.cpan.org/dist/SOAP-Lite/* |
| *perl-SQL-Abstract* | 1.50 | 1.60 | *http://search.cpan.org/dist/SQL-Abstract* |
| *perl-SQL-Shell* | new | 1.14 | *http://search.cpan.org/dist/SQL-Shell* |
| *perl-SQL-Statement* | 1.15 | 1.20 | *http://search.cpan.org/dist/SQL-Statement/* |
| *perl-SQL-Translator* | 0.09004 | 0.11002 | *http://search.cpan.org/dist/SQL-Translator/* |
| *perl-SUPER* | 1.16 | 1.17 | *http://search.cpan.org/dist/SUPER/* |
| *perl-Sane* | 0.02 | 0.03 | *http://search.cpan.org/dist/Sane/* |
| *perl-Scope-Upper* | 0.07 | 0.09 | *http://search.cpan.org/dist/Scope-Upper* |
| *perl-Search-Xapian* | new | 1.0.15.0 | *http://search.cpan.org/~olly/Search-Xapian-1.0.15.0/Xapian.pm* |
| *perl-Sendmail-PMilter* | new | 0.97 | *http://search.cpan.org/dist/Sendmail-PMilter/* |
| *perl-Socket-GetAddrInfo* | new | 0.12 | *http://search.cpan.org/dist/Socket-GetAddrInfo/* |
| *perl-Software-License* | 0.008 | 0.012 | *http://search.cpan.org/dist/Software-License/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-String-Diff* | new | 0.04 | *http://search.cpan.org/dist/String-Diff/* |
| *perl-String-Format* | 1.15 | 1.16 | *http://search.cpan.org/dist/String-Format/* |
| *perl-String-RewritePrefix* | new | 0.004 | *http://search.cpan.org/dist/String-RewritePrefix* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Sub-WrapPackages* | new | 1.3 | *http://search.cpan.org/dist/Sub-WrapPackages/* |
| *perl-Syntax-Highlight-Engine-Kate* | new | 0.04 | *http://search.cpan.org/dist/Syntax-Highlight-Engine-Kate/* |
| *perl-Syntax-Highlight-Perl-Improved* | new | 1.01 | *http://search.cpan.org/dist/Syntax-Highlight-Perl-Improved/* |
| *perl-Sys-SigAction* | 0.10 | 0.11 | *http://search.cpan.org/dist/Sys-SigAction/* |
| *perl-Sys-Virt* | 0.2.0 | 0.2.1 | *http://search.cpan.org/dist/Sys-Virt/* |
| *perl-Sysadm-Install* | 0.27 | 0.33 | *http://search.cpan.org/dist/Sysadm-Install/* |
| *perl-SystemC-Vregs* | 1.462 | 1.463 | *http://search.cpan.org/dist/SystemC-Vregs/* |
| *perl-SystemPerl* | new | 1.330 | *http://search.cpan.org/dist/SystemPerl/* |
| *perl-SystemPerl-devel* | new | 1.330 | *http://search.cpan.org/dist/SystemPerl/* |
| *perl-TAP-Formatter-HTML* | new | 0.07 | *http://search.cpan.org/dist/TAP-Formatter-HTML/* |
| *perl-TAP-Harness-Archive* | 0.12 | 0.14 | *http://search.cpan.org/dist/TAP-Harness-Archive/* |
| *perl-TAP-Harness-JUnit* | 0.26 | 0.32 | *http://search.cpan.org/dist/TAP-Harness-JUnit/* |
| *perl-Template-Plugin-Class* | 0.13 | 0.14 | *http://search.cpan.org/dist/Template-Plugin-Class/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Template-Toolkit* | 2.20 | 2.22 | *http://www.template-toolkit.org/* |
| *perl-Term-Completion* | new | 0.91 | *http://search.cpan.org/dist/Term-Completion* |
| *perl-Term-Prompt* | new | 1.04 | *http://search.cpan.org/dist/Term-Prompt/* |
| *perl-Term-ReadLine-Gnu* | 1.17a | 1.19 | *http://search.cpan.org/dist/Term-ReadLine-Gnu/* |
| *perl-Test-Aggregate* | new | 0.35 | *http://search.cpan.org/dist/Test-Aggregate* |
| *perl-Test-Base* | 0.55 | 0.58 | *http://search.cpan.org/dist/Test-Base/* |
| *perl-Test-CPAN-Meta* | 0.12 | 0.13 | *http://search.cpan.org/dist/Test-CPAN-Meta/* |
| *perl-Test-Class* | 0.31 | 0.33 | *http://search.cpan.org/dist/Test-Class/* |
| *perl-Test-ClassAPI* | 1.05 | 1.06 | *http://search.cpan.org/dist/Test-ClassAPI/* |
| *perl-Test-Deep* | 0.103 | 0.106 | *http://search.cpan.org/dist/Test-Deep/* |
| *perl-Test-HTTP-Server-Simple-StashWarnings* | 0.03 | 0.04 | *http://search.cpan.org/dist/Test-HTTP-Server-Simple-StashWarnings/* |
| *perl-Test-Inline* | 2.208 | 2.211 | *http://search.cpan.org/dist/Test-Inline/* |
| *perl-Test-MinimumVersion* | 0.008 | 0.011 | *http://search.cpan.org/dist/Test-MinimumVersion/* |
| *perl-Test-MockTime* | 0.09 | 0.12 | *http://search.cpan.org/dist/Test-MockTime/* |
| *perl-Test-Moose* | new | 0.92 | *http://search.cpan.org/dist/Moose/* |
| *perl-Test-Most* | new | 0.21 | *http://search.cpan.org/dist/Test-Most/* |
| *perl-Test-Pod* | 1.26 | 1.40 | *http://search.cpan.org/dist/Test-Pod/* |
| *perl-Test-Prereq* | 1.036 | 1.037 | *http://search.cpan.org/dist/Test-Prereq/* |
| *perl-Test-Refcount* | new | 0.05 | *http://search.cpan.org/dist/Test-Refcount/* |
| *perl-Test-Script* | 1.03 | 1.06 | *http://search.cpan.org/dist/Test-Script/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Test-SubCalls* | 1.08 | 1.09 | *http://search.cpan.org/dist/Test-SubCalls/* |
| *perl-Test-TempDir* | 0.04 | 0.05 | *http://search.cpan.org/dist/Test-TempDir/* |
| *perl-Test-Unit-Lite* | 0.1101 | 0.12 | *http://search.cpan.org/dist/Test-Unit-Lite/* |
| *perl-Test-Unit-Runner-Xml* | new | 0.1 | *http://search.cpan.org/dist/Test-Unit-Runner-Xml/* |
| *perl-Test-WWW-Mechanize-CGIApp* | new | 0.05 | *http://search.cpan.org/dist/Test-WWW-Mechanize-CGIApp/* |
| *perl-Test-Warn* | 0.11 | 0.21 | *http://search.cpan.org/dist/Test-Warn/* |
| *perl-Test-YAML-Meta* | 0.11 | 0.12 | *http://search.cpan.org/dist/Test-YAML-Meta/* |
| *perl-Text-CSV* | new | 1.10 | *http://search.cpan.org/dist/Text-CSV/* |
| *perl-Text-CSV_XS* | 0.58 | 0.69 | *http://search.cpan.org/dist/Text-CSV_XS/* |
| *perl-Text-Context* | new | 3.6 | *http://search.cpan.org/dist/Text-Context/* |
| *perl-Text-Context-EitherSide* | new | 1.4 | *http://search.cpan.org/dist/Text-Context-EitherSide/* |
| *perl-Text-Diff* | 0.35 | 1.37 | *http://search.cpan.org/dist/Text-Diff/* |
| *perl-Text-Emoticon* | new | 0.04 | *http://search.cpan.org/dist/Text-Emoticon/* |
| *perl-Text-Emoticon-MSN* | new | 0.04 | *http://search.cpan.org/dist/Text-Emoticon-MSN/* |
| *perl-Text-PDF* | new | 0.29a | *http://search.cpan.org/dist/Text-PDF* |
| *perl-Text-RecordParser* | 1.2.1 | 1.3.0 | *http://search.cpan.org/dist/Text-RecordParser/* |
| *perl-Text-SimpleTable* | 0.05 | 2.0 | *http://search.cpan.org/dist/Text-SimpleTable/* |
| *perl-Text-Textile* | new | 2.12 | *http://search.cpan.org/dist/Text-Textile/* |
| *perl-Text-VimColor* | new | 0.11 | *http://search.cpan.org/dist/Text-VimColor/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-TheSchwartz* | new | 1.07 | *http://search.cpan.org/dist/TheSchwartz/* |
| *perl-Time-Warp* | new | 0.5 | *http://search.cpan.org/dist/Time-Warp* |
| *perl-Titanium* | new | 1.03 | *http://search.cpan.org/dist/Titanium/* |
| *perl-Tk-Stderr* | new | 1.2 | *http://search.cpan.org/dist/Tk-Stderr/* |
| *perl-UNIVERSAL-can* | 1.12 | 1.15 | *http://search.cpan.org/dist/UNIVERSAL-can/* |
| *perl-UNIVERSAL-isa* | 1.01 | 1.03 | *http://search.cpan.org/dist/UNIVERSAL-isa/* |
| *perl-UNIVERSAL-require* | 0.11 | 0.13 | *http://search.cpan.org/dist/UNIVERSAL-require/* |
| *perl-URI* | 1.37 | 1.40 | *http://search.cpan.org/dist/URI/* |
| *perl-URI-Find* | 0.16 | 20090319 | *http://search.cpan.org/dist/URI-Find* |
| *perl-Variable-Magic* | 0.32 | 0.37 | *http://search.cpan.org/dist/Variable-Magic/* |
| *perl-WWW-Curl* | 4.05 | 4.09 | *http://search.cpan.org/dist/WWW-Curl/* |
| *perl-WWW-Mechanize* | 1.54 | 1.60 | *http://search.cpan.org/dist/WWW-Mechanize/* |
| *perl-WWW-Mechanize-TreeBuilder* | new | 1.10000 | *http://search.cpan.org/dist/WWW-Mechanize-TreeBuilder/* |
| *perl-WWW-Pastebin-PastebinCom-Create* | new | 0.002 | *http://search.cpan.org/dist/WWW-Pastebin-PastebinCom-Create/* |
| *perl-WWW-Pastebin-RafbNet-Create* | new | 0.001 | *http://search.cpan.org/dist/WWW-Pastebin-RafbNet-Create/* |
| *perl-WebService-Validator-CSS-W3C* | new | 0.2 | *http://search.cpan.org/dist/WebService-Validator-CSS-W3C/* |
| *perl-WebService-Validator-HTML-W3C* | new | 0.24 | *http://search.cpan.org/dist/WebService-Validator-HTML-W3C/* |
| *perl-Wx* | 0.89 | 0.92 | *http://search.cpan.org/dist/Wx/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-Wx-Perl-DataWalker* | new | 0.02 | *http://search.cpan.org/dist/Wx-Perl-DataWalker/* |
| *perl-XML-Atom* | new | 0.35 | *http://search.cpan.org/dist/XML-Atom/* |
| *perl-XML-Atom-SimpleFeed* | 0.82 | 0.86 | *http://search.cpan.org/dist/XML-Atom-SimpleFeed/* |
| *perl-XML-Feed* | new | 0.43 | *http://search.cpan.org/dist/XML-Feed/* |
| *perl-XML-NamespaceSupport* | 1.09 | 1.10 | *http://search.cpan.org/dist/XML-NamespaceSupport/* |
| *perl-XML-Parser-Lite-Tree* | new | 0.12 | *http://search.cpan.org/dist/XML-Parser-Lite-Tree/* |
| *perl-XML-RSS* | 1.43 | 1.45 | *http://search.cpan.org/dist/XML-RSS/* |
| *perl-XML-RSS-LibXML* | new | 0.3004 | *http://search.cpan.org/dist/XML-RSS-LibXML/* |
| *perl-XML-TokeParser* | new | 0.05 | *http://search.cpan.org/dist/XML-TokeParser/* |
| *perl-XML-Twig* | 3.32 | 3.33 | *http://search.cpan.org/dist/XML-Twig/* |
| *perl-XML-XPathEngine* | 0.11 | 0.12 | *http://search.cpan.org/dist/XML-XPathEngine/* |
| *perl-XXX* | new | 0.12 | *http://search.cpan.org/dist/XXX/* |
| *perl-YAML* | 0.68 | 0.70 | *http://search.cpan.org/dist/YAML/* |
| *perl-YAML-LibYAML* | new | 0.32 | *http://search.cpan.org/dist/YAML-LibYAML/* |
| *perl-YAML-Syck* | 1.05 | 1.07 | *http://search.cpan.org/dist/YAML-Syck/* |
| *perl-YAML-Tiny* | 1.36 | 1.40 | *http://search.cpan.org/dist/YAML-Tiny/* |
| *perl-accessors* | new | 1.01 | *http://search.cpan.org/dist/accessors/* |
| *perl-aliased* | 0.22 | 0.30 | *http://search.cpan.org/dist/aliased/* |
| *perl-latest* | new | 0.03 | *http://search.cpan.org/dist/latest/* |
| *perl-libguestfs* | new | 1.0.75 | *http://libguestfs.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *perl-libwww-perl* | 5.825 | 5.831 | *http://search.cpan.org/dist/libwww-perl/* |
| *perl-local-lib* | 1.003002 | 1.004007 | *http://search.cpan.org/dist/local-lib* |
| *perl-namespace-autoclean* | new | 0.09 | *http://search.cpan.org/dist/namespace-autoclean* |
| *perl-p5-Palm* | new | 1.011 | *http://search.cpan.org/dist/p5-Palm/* |
| *perl-parent* | 0.221 | 0.223 | *http://search.cpan.org/dist/parent/* |
| *perl-prefork* | 1.02 | 1.04 | *http://search.cpan.org/dist/prefork/* |
| *php-IDNA_Convert* | new | 0.6.3 | *http://idnaconv.phlymail.de/* |
| *php-LightweightPicasaAPI* | new | 3.3 | *http://cameronhinkle.com/* |
| *php-Smarty* | 2.6.20 | 2.6.26 | *http://www.smarty.net* |
| *php-ZendFramework* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Auth-Adapter-Ldap* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Cache-Backend-Apc* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Cache-Backend-Memcached* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Captcha* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Db-Adapter-Mysqli* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Dojo* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Feed* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Gdata* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Ldap* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Pdf* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Search-Lucene* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *php-ZendFramework-Services* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-Soap* | new | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-demos* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-extras* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-ZendFramework-tests* | 1.7.7 | 1.8.4 | *http://framework.zend.com/* |
| *php-adodb* | 4.95 | 5.09a | *http://adodb.sf.net* |
| *php-devel* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-ezc-Archive* | new | 1.3.4 | *http://ezcomponents.org/* |
| *php-ezc-Authentication* | new | 1.3.1 | *http://ezcomponents.org/* |
| *php-ezc-AuthenticationDatabaseTiein* | new | 1.1 | *http://ezcomponents.org/* |
| *php-ezc-Base* | 1.6.1 | 1.7 | *http://ezcomponents.org/* |
| *php-ezc-Cache* | new | 1.4.1 | *http://ezcomponents.org/* |
| *php-ezc-Configuration* | new | 1.3.4 | *http://ezcomponents.org/* |
| *php-ezc-ConsoleTools* | 1.5 | 1.5.2 | *http://ezcomponents.org/* |
| *php-ezc-Database* | new | 1.4.6 | *http://ezcomponents.org/* |
| *php-ezc-EventLog* | new | 1.4 | *http://ezcomponents.org/* |
| *php-ezc-Feed* | new | 1.2.1 | *http://ezcomponents.org/* |
| *php-ezc-File* | new | 1.2 | *http://ezcomponents.org/* |
| *php-ezc-Mail* | new | 1.6.3 | *http://ezcomponents.org/* |
| *php-ezc-PersistentObject* | new | 1.6 | *http://ezcomponents.org/* |
| *php-ezc-SystemInformation* | new | 1.0.8 | *http://ezcomponents.org/* |
| *php-ezc-Template* | new | 1.4.1 | *http://ezcomponents.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *php-ezc-Webdav* | new | 1.1.2 | *http://ezcomponents.org/* |
| *php-feedcreator* | new | 1.7.2 | *http://www.bitfolge.de/rsscreator-en.html* |
| *php-geshi* | new | 1.0.8.3 | *http://qbnz.com/highlighter/* |
| *php-getid3* | new | 2.0.0b5 | *http://getid3.sourceforge.net/* |
| *php-libpuzzle* | new | 0.11 | *http://libpuzzle.pureftpd.org/project/libpuzzle* |
| *php-pear-Auth-SASL* | 1.0.2 | 1.0.3 | *http://pear.php.net/package/Auth_SASL* |
| *php-pear-Auth_HTTP* | new | 2.1.6 | *http://pear.php.net/package/Auth_HTTP* |
| *php-pear-Cache-Lite* | 1.7.7 | 1.7.8 | *http://pear.php.net/package/Cache_Lite* |
| *php-pear-DB-DataObject* | 1.8.8 | 1.8.12 | *http://pear.php.net/package/DB_DataObject* |
| *php-pear-Date-Holidays* | 0.20.1 | 0.21.4 | *http://pear.php.net/package/Date_Holidays* |
| *php-pear-Event-Dispatcher* | 1.0.0 | 1.1.0 | *http://pear.php.net/package/Event_Dispatcher* |
| *php-pear-File-Bittorrent2* | new | 1.3.1 | *http://pear.php.net/package/File_Bittorrent2* |
| *php-pear-HTML-QuickForm* | 3.2.10 | 3.2.11 | *http://pear.php.net/package/HTML_QuickForm* |
| *php-pear-HTML_Javascript* | new | 1.1.1 | *http://pear.php.net/package/HTML_Javascript* |
| *php-pear-HTML_Template_PHPLIB* | new | 1.4.0 | *http://pear.php.net/package/HTML_Template_PHPLIB* |
| *php-pear-HTTP-Request* | 1.4.3 | 1.4.4 | *http://pear.php.net/package/HTTP_Request* |
| *php-pear-Image-Canvas* | 0.3.1 | 0.3.2 | *http://pear.php.net/package/Image_Canvas* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *php-pear-Image-Color* | 1.0.2 | 1.0.3 | *http://pear.php.net/package/Image_Color* |
| *php-pear-Log* | 1.11.4 | 1.11.5 | *http://pear.php.net/package/Log* |
| *php-pear-Net-DNS* | 1.0.0 | 1.0.1 | *http://pear.php.net/package/Net_DNS* |
| *php-pear-Net-SMTP* | 1.3.2 | 1.3.3 | *http://pear.php.net/package/Net_SMTP* |
| *php-pear-Net-Sieve* | 1.1.6 | 1.1.7 | *http://pear.php.net/package/Net_Sieve* |
| *php-pear-PHPUnit* | 3.3.4 | 3.3.17 | *http://www.phpunit.de* |
| *php-pear-Pager* | 2.4.7 | 2.4.8 | *http://pear.php.net/package/Pager* |
| *php-pear-PhpDocumentor* | 1.4.2 | 1.4.3 | *http://www.phpdoc.org/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *php-pear-Text-Diff* | new | 1.1.0 | *http://pear.php.net/package/Text_Diff* |
| *php-pear-Validate* | 0.8.1 | 0.8.2 | *http://pear.php.net/package/Validate* |
| *php-pecl-parsekit* | new | 1.2 | *http://pecl.php.net/package/parsekit* |
| *php-phpSmug* | new | 2.0.2 | *http://phpsmug.com* |
| *php-simplepie* | new | 1.1.3 | *http://simplepie.org/* |
| *phpFlickr* | new | 2.3.0.1 | *http://phpflickr.com/* |
| *physfs-devel* | 1.0.1 | 1.0.2 | *http://www.icculus.org/physfs/* |
| *picviz-devel* | 0.5 | 0.6 | *http://www.wallinfire.net/picviz* |
| *pidgin-devel* | 2.5.5 | 2.6.3 | *http://pidgin.im/* |
| *pigment-devel* | 0.3.16 | 0.3.17 | *https://code.fluendo.com/pigment/trac/* |
| *pilot-link-devel* | 0.12.3 | 0.12.4 | *http://www.pilot-link.org/* |
| *pixman-devel* | 0.14.0 | 0.16.2 | *http://cgit.freedesktop.org/pixman/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pkcs11-helper* | new | 1.07 | *http://www.opensc-project.org/pkcs11-helper/* |
| *pkcs11-helper-devel* | new | 1.07 | *http://www.opensc-project.org/pkcs11-helper/* |
| *planner-devel* | 0.14.3 | 0.14.4 | *http://live.gnome.org/Planner* |
| *plexus-classworlds* | new | 1.2 | *http://plexus.codehaus.org/* |
| *plexus-cli* | new | 1.2 | *http://plexus.codehaus.org/* |
| *plexus-containers* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-digest* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-utils* | 1.2 | 1.4.5 | *http://plexus.codehaus.org/* |
| *plplot-ada* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-ada-devel* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-devel* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-java* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-java-devel* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-libs* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-lua* | new | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-ocaml* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-ocaml-devel* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-octave* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-perl* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-tk* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *plplot-tk-devel* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-wxGTK* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plplot-wxGTK-devel* | 5.9.2 | 5.9.5 | *http://plplot.sourceforge.net/* |
| *plymouth-devel* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-libs* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *podofo-devel* | new | 0.7.0 | *http://podofo.sourceforge.net* |
| *poker-engine* | 1.3.2 | 1.3.4 | *http://pokersource.org/poker-engine* |
| *poker-engine-devel* | 1.3.2 | 1.3.4 | *http://pokersource.org/poker-engine* |
| *poker-eval* | 135.0 | 136.0 | *http://pokersource.org/poker-eval* |
| *poker-eval-devel* | 135.0 | 136.0 | *http://pokersource.org/poker-eval* |
| *polkit-desktop-policy* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *polkit-devel* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *polkit-docs* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *polkit-gnome-devel* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *polkit-gnome-docs* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *poppler* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *poppler-data* | new | 0.3.0 | *http://poppler.freedesktop.org/* |
| *poppler-devel* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *poppler-glib* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *poppler-glib-devel* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *poppler-qt-devel* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *poppler-qt4-devel* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *postgresql-devel* | 8.3.7 | 8.4.1 | *http://www.postgresql.org/* |
| *postgresql-pgpool-II-devel* | 2.2 | 2.2.5 | *http://pgpool.projects.PostgreSQL.org* |
| *powwow-devel* | new | 1.2.16 | *http://hoopajoo.net/projects/powwow.html* |
| *ppl* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-devel* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-gprolog* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-gprolog-static* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-java* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-pwl* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-pwl-devel* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-pwl-static* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-static* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-swiprolog* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-swiprolog-static* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-utils* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-yap* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *prelude-lml-devel* | 0.9.14 | 0.9.15 | *http://prelude-ids.org/* |
| *prelude-manager-devel* | 0.9.14.2 | 0.9.15 | *http://www.prelude-ids.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *protobuf* | 2.0.2 | 2.2.0 | *http://code.google.com/p/protobuf/* |
| *protobuf-compiler* | 2.0.2 | 2.2.0 | *http://code.google.com/p/protobuf/* |
| *protobuf-devel* | 2.0.2 | 2.2.0 | *http://code.google.com/p/protobuf/* |
| *protobuf-static* | 2.0.2 | 2.2.0 | *http://code.google.com/p/protobuf/* |
| *protobuf-vim* | 2.0.2 | 2.2.0 | *http://code.google.com/p/protobuf/* |
| *ptlib-devel* | 2.6.1 | 2.6.5 | *http://www.opalvoip.org/* |
| *publican-fedora* | 0.18 | 1.0 | *https://publican.fedorahosted.org/* |
| *pulseaudio-libs-devel* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pyOpenSSL* | 0.7 | 0.9 | *http://pyopenssl.sourceforge.net/* |
| *pyabiword-devel* | 0.6.3 | 0.8.0 | *http://abisource.com/downloads/pyabiword/0.8.0/pyabiword-0.8.0.tar.gz* |
| *pycairo-devel* | 1.8.2 | 1.8.6 | *http://cairographics.org/pycairo* |
| *pycdio* | new | 0.15 | *http://www.gnu.org/software/libcdio/* |
| *pyclutter-devel* | 0.8.2 | 0.9.2 | *http://www.clutter-project.org/* |
| *pygsl* | 0.9.3 | 0.9.4 | *http://pygsl.sourceforge.net* |
| *pygsl-devel* | 0.9.3 | 0.9.4 | *http://pygsl.sourceforge.net* |
| *pypar* | new | 2.1.0_66 | *http://sourceforge.net/projects/pypar* |
| *pypoker-eval* | 136.0 | 137.0 | *http://pokersource.org/pypoker-eval* |
| *pypoker-eval-devel* | 136.0 | 137.0 | *http://pokersource.org/pypoker-eval* |
| *pyserial* | 2.2 | 2.4 | *http://pyserial.sourceforge.net* |
| *pysnmp* | 2.0.9 | 4.1.11 | *http://pysnmp.sourceforge.net/* |
| *python-AppTools* | new | 3.2.0 | *http://pypi.python.org/pypi/AppTools/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-EnthoughtBase* | new | 3.0.2 | *http://pypi.python.org/pypi/EnthoughtBase/3.0.2* |
| *python-EnvisageCore* | new | 3.1.0 | *http://pypi.python.org/pypi/EnvisageCore* |
| *python-EnvisagePlugins* | new | 3.1.0 | *http://pypi.python.org/pypi/EnvisagePlugins* |
| *python-Lightbox* | new | 2.1 | *http://pypi.python.org/pypi/Lightbox/2.1* |
| *python-Scriptaculous* | new | 1.8.2 | *http://pypi.python.org/pypi/Scriptaculous/2.1* |
| *python-TraitsGUI* | new | 3.0.4 | *http://pypi.python.org/pypi/TraitsGUI* |
| *python-TurboMail* | 2.1 | 3.0 | *http://www.python-turbomail.org* |
| *python-biopython* | 1.49 | 1.52 | *http://www.biopython.org/* |
| *python-cheetah* | 2.0.1 | 2.2.2 | *http://cheetahtemplate.org/* |
| *python-cherrypy* | 3.1.1 | 3.1.2 | *http://www.cherrypy.org/* |
| *python-cryptsetup* | 0.0.9 | 0.0.10 | *http://git.fedorahosted.org/git/?p=python-cryptsetup.git* |
| *python-devel* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *python-distutils-extra* | 1.91.2 | 2.6 | *https://launchpad.net/python-distutils-extra* |
| *python-exo* | 0.3.101 | 0.3.104 | *http://xfce.org/* |
| *python-flup* | 1.0 | 1.0.2 | *http://trac.saddi.com/flup* |
| *python-formencode* | 1.2 | 1.2.2 | *http://formencode.org/* |
| *python-gasp* | 0.2.0beta1 | 0.3.2 | *http://launchpad.net/gasp-core* |
| *python-inotify* | 0.8.1 | 0.8.6 | *http://trac.dbzteam.org/pyinotify* |
| *python-inotify-examples* | 0.8.1 | 0.8.6 | *http://trac.dbzteam.org/pyinotify* |
| *python-kinterbasdb* | new | 3.3.0 | *http://www.firebirdsql.org/* |
| *python-kiwi* | 1.9.23 | 1.9.25 | *http://www.async.com.br/projects/kiwi/* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *pywbem* | new | 0.7.0 | *http://pywbem.sourceforge.net* |
| *pyxdg* | 0.16 | 0.17 | *http://freedesktop.org/Software/pyxdg* |
| *qca2-devel* | 2.0.1 | 2.0.2 | *http://delta.affinix.com/qca* |
| *qgis-devel* | 1.0.1 | 1.0.2 | *http://qgis.org/* |
| *qmmp-devel* | 0.2.3 | 0.3.0 | *http://qmmp.ylsoftware.com/index_en.html* |
| *qrupdate* | new | 1.0.1 | *http://qrupdate.sourceforge.net/* |
| *qrupdate-devel* | new | 1.0.1 | *http://qrupdate.sourceforge.net/* |
| *qscintilla-devel* | 2.3.2 | 2.4 | *http://www.riverbankcomputing.com/software/qscintilla/* |
| *qscintilla-python* | 2.3.2 | 2.4 | *http://www.riverbankcomputing.com/software/qscintilla/* |
| *qscintilla-python-devel* | 2.3.2 | 2.4 | *http://www.riverbankcomputing.com/software/qscintilla/* |
| *qt-devel* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *rabbitmq-server* | new | 1.6.0 | *http://www.rabbitmq.com/* |
| *rb_libtorrent-devel* | 0.14.2 | 0.14.4 | *http://www.rasterbar.com/products/libtorrent/* |
| *rcssserver-devel* | 13.2.0 | 13.2.2 | *http://sourceforge.net/projects/sserver/* |
| *readline-devel* | 5.2 | 6.0 | *http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html* |
| *readline-static* | 5.2 | 6.0 | *http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html* |
| *rest-devel* | new | 0.6.1 | *http://moblin.org/projects/librest* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rhnlib* | 2.5.10 | 2.5.13 | *https://fedorahosted.org/spacewalk* |
| *rmol-devel* | 0.19.0 | 0.23.0 | *http://rmol.sourceforge.net* |
| *rpm-devel* | 4.7.0 | 4.7.1 | *http://www.rpm.org/* |
| *rpm-libs* | 4.7.0 | 4.7.1 | *http://www.rpm.org/* |
| *rpm-python* | 4.7.0 | 4.7.1 | *http://www.rpm.org/* |
| *rpmdepsize* | new | 1.0 | *http://et.redhat.com/~rjones/rpmdepsize/* |
| *rpy* | 2.0.3 | 2.0.6 | *http://rpy.sourceforge.net* |
| *rrdtool-devel* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *ruby-atk-devel* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-bonobo2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-bonoboui2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gconf2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gdkpixbuf2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-glib2-devel* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnome2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomecanvas2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomeprint2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomeprintui2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomevfs-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-goocanvas-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gstreamer-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtk2-devel* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ruby-gtkglext-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtkhtml2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtkmozembed-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtksourceview-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtksourceview2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-libart2-devel* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-libglade2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-libguestfs* | new | 1.0.75 | *http://libguestfs.org/* |
| *ruby-libs* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *ruby-openbabel* | 2.2.1 | 2.2.3 | *http://openbabel.org/* |
| *ruby-openid* | 2.1.4 | 2.1.7 | *http://openidenabled.com/ruby-openid/* |
| *ruby-openwsman* | 2.1.0 | 2.2.0 | *http://www.openwsman.org/* |
| *ruby-panelapplet2-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-pango-devel* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-poppler-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-rsvg-devel* | new | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *rubygems* | 1.3.1 | 1.3.5 | *http://rubyforge.org/projects/rubygems/* |
| *rygel-devel* | new | 0.4.2 | *http://live.gnome.org/Rygel* |
| *sane-backends-devel* | 1.0.19 | 1.0.20 | *http://www.sane-project.org* |
| *sat4j* | 2.0.3 | 2.1.0 | *http://www.sat4j.org/* |
| *saxpath* | new | 1.0 | *http://sourceforge.net/projects/saxpath/* |
| *sblim-cmpi-base-devel* | 1.5.7 | 1.5.9 | *http://sblim.wiki.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sblim-cmpi-devel* | 1.0.5 | 2.0.0 | *http://sblim.wiki.sourceforge.net/* |
| *sblim-indication_helper* | new | 0.4.2 | *http://sblim.wiki.sourceforge.net/* |
| *sblim-indication_helper-devel* | new | 0.4.2 | *http://sblim.wiki.sourceforge.net/* |
| *scalapack-common* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *scalapack-lam* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *scalapack-lam-devel* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *scalapack-mpich2* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *scalapack-mpich2-devel* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *scalapack-openmpi* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *scalapack-openmpi-devel* | new | 1.7.5 | *http://www.netlib.org/lapack-dev/* |
| *schroedinger-devel* | 1.0.6 | 1.0.7 | *http://www.diracvideo.org/* |
| *scim-devel* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scribus-devel* | 1.3.5 | 1.3.5.1 | *http://www.scribus.net/* |
| *seahorse-devel* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/seahorse/* |
| *setools-devel* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *sg3_utils-devel* | 1.26 | 1.27 | *http://sg.danny.cz/sg/sg3_utils.html* |
| *simspark* | 0.1 | 0.1.2 | *http://simspark.sourceforge.net* |
| *simspark-devel* | 0.1 | 0.1.2 | *http://simspark.sourceforge.net* |
| *sip-devel* | 4.7.9 | 4.8.2 | *http://www.riverbankcomputing.com/software/sip/intro* |
| *sipwitch-devel* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |
| *sipwitch-runtime* | new | 0.5.7 | *http://www.gnu.org/software/sipwitch* |

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

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *slang-devel* | 2.1.4 | 2.2.1 | *http://www.jedsoft.org/slang/* |
| *slang-static* | 2.1.4 | 2.2.1 | *http://www.jedsoft.org/slang/* |
| *slimdata* | new | 2.6.3 | *http://slimdata.sourceforge.net/* |
| *slimdata-devel* | new | 2.6.3 | *http://slimdata.sourceforge.net/* |
| *slv2-devel* | 0.6.2 | 0.6.6 | *http://drobilla.net/software/slv2/* |
| *soci-devel* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *soci-mysql-devel* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *soci-postgresql-devel* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *soprano-devel* | 2.2.3 | 2.3.1 | *http://sourceforge.net/projects/soprano* |
| *soundmodem-devel* | 0.12 | 0.14 | *http://www.baycom.org/~tom/ham/soundmodem/* |
| *spandsp-apidoc* | 0.0.5 | 0.0.6 | *http://www.soft-switch.org/* |
| *spandsp-devel* | 0.0.5 | 0.0.6 | *http://www.soft-switch.org/* |
| *sparse-devel* | 0.4.1 | 0.4.2 | *http://www.kernel.org/pub/software/devel/sparse/* |
| *speech-dispatcher-devel* | 0.6.6 | 0.6.7 | *http://www.freebsoft.org/pub/projects/speechd/* |
| *speech-dispatcher-python* | 0.6.6 | 0.6.7 | *http://www.freebsoft.org/pub/projects/speechd/* |
| *sphinxbase* | new | 0.4.1 | *http://www.cmusphinx.org/* |
| *sphinxbase-devel* | new | 0.4.1 | *http://www.cmusphinx.org/* |
| *sphinxbase-libs* | new | 0.4.1 | *http://www.cmusphinx.org/* |
| *sphinxbase-python* | new | 0.4.1 | *http://www.cmusphinx.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *spr* | 07.15.00 | 3.3.2 | *http://www.hep.caltech.edu/~narsky/spr.html* |
| *spr-devel* | 07.15.00 | 3.3.2 | *http://www.hep.caltech.edu/~narsky/spr.html* |
| *sqlite-devel* | 3.6.12 | 3.6.17 | *http://www.sqlite.org/* |
| *sqlsh* | new | 1.14 | *http://search.cpan.org/dist/SQL-Shell* |
| *squirrel-devel* | 2.2.2 | 2.2.3 | *http://squirrel-lang.org/* |
| *ssm-devel* | 0.1 | 1.0 | *http://www.bioxray.au.dk/~mok/ssm* |
| *startup-notification-devel* | 0.9 | 0.10 | *http://www.freedesktop.org/software/startup-notification/* |
| *strigi-devel* | 0.6.4 | 0.7.0 | *http://www.vandenoever.info/software/strigi/* |
| *strigi-libs* | 0.6.4 | 0.7.0 | *http://www.vandenoever.info/software/strigi/* |
| *stxxl* | new | 1.2.1 | *http://stxxl.sourceforge.net* |
| *stxxl-devel* | new | 1.2.1 | *http://stxxl.sourceforge.net* |
| *sublib-devel* | 0.9 | dropped | *http://sublib.sourceforge.net/* |
| *subversion-javahl* | 1.6.1 | 1.6.5 | *http://subversion.tigris.org/* |
| *subversion-perl* | 1.6.1 | 1.6.5 | *http://subversion.tigris.org/* |
| *subversion-ruby* | 1.6.1 | 1.6.5 | *http://subversion.tigris.org/* |
| *sugar-datastore* | 0.84.0 | 0.86.1 | *http://sugarlabs.org/* |
| *sugar-emulator* | 0.84.5 | 0.86.3 | *http://sugarlabs.org/* |
| *suitesparse-devel* | 3.2.0 | 3.4.0 | *http://www.cise.ufl.edu/research/sparse/SuiteSparse* |
| *suitesparse-static* | 3.2.0 | 3.4.0 | *http://www.cise.ufl.edu/research/sparse/SuiteSparse* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *svncpp* | 0.9.6 | 0.10.0 | *http://www.rapidsvn.org/* |
| *svncpp-devel* | 0.9.6 | 0.10.0 | *http://www.rapidsvn.org/* |
| *sword-devel* | 1.5.11 | 1.6.0 | *http://www.crosswire.org/sword/* |
| *sylpheed-devel* | new | 2.7.1 | *http://sylpheed.sraoss.jp/* |
| *syncevolution-devel* | new | 0.9 | *http://syncevolution.org/* |
| *synopsis-devel* | 0.11 | 0.12 | *http://synopsis.fresco.org* |
| *tabled-devel* | new | 0.3 | *http://hail.wiki.kernel.org/* |
| *taglib-devel* | 1.5 | 1.6 | *http://developer.kde.org/~wheeler/taglib.html* |
| *taglib-extras-devel* | 0.1.2 | 1.0.1 | *http://websvn.kde.org/trunk/kdesupport/taglib-extras/* |
| *tcl-trf-devel* | 2.1.3 | 2.1.4 | *http://tcltrf.sourceforge.net* |
| *tdb-tools* | 1.1.3 | 1.1.5 | *http://tdb.samba.org/* |
| *telepathy-farsight-devel* | 0.0.6 | 0.0.12 | *http://telepathy.freedesktop.org/wiki/* |
| *telepathy-farsight-python* | 0.0.6 | 0.0.12 | *http://telepathy.freedesktop.org/wiki/* |
| *telepathy-glib-devel* | 0.7.29 | 0.9.0 | *http://telepathy.freedesktop.org/wiki/FrontPage* |
| *telepathy-mission-control-devel* | 4.67 | 5.2.5 | *http://telepathy.freedesktop.org/wiki/Mission_Control* |
| *tesseract-devel* | 2.03 | 2.04 | *http://code.google.com/p/tesseract-ocr/* |
| *tn5250-devel* | 0.17.3 | 0.17.4 | *http://tn5250.sourceforge.net/* |
| *tokyocabinet* | 1.4.9 | 1.4.33 | *http://tokyocabinet.sourceforge.net/* |
| *tokyocabinet-devel* | 1.4.9 | 1.4.33 | *http://tokyocabinet.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *tokyotyrant-devel* | new | 1.1.34 | *http://1978th.net/tokyotyrant/* |
| *tomboy-devel* | 0.14.1 | 1.0.0 | *http://projects.gnome.org/tomboy/* |
| *toot2* | new | 3 | *http://toot.org.uk/index.html* |
| *tootaudioservers* | new | 3 | *http://code.google.com/p/tootaudioservers/* |
| *totem-devel* | 2.26.2 | 2.28.2 | *http://projects.gnome.org/totem/* |
| *totem-pl-parser-devel* | 2.26.2 | 2.28.1 | *http://www.gnome.org/projects/totem/* |
| *tpm-tools-devel* | 1.3.1 | 1.3.3 | *http://trousers.sourceforge.net* |
| *tracker-devel* | 0.6.94 | 0.6.95 | *http://projects.gnome.org/tracker/* |
| *tre-devel* | 0.7.5 | 0.7.6 | *http://laurikari.net/tre/* |
| *tslib-devel* | new | 1.0 | *http://tslib.berlios.de/* |
| *twitter-glib-devel* | new | 0.9.8 | *http://live.gnome.org/TwitterGlib* |
| *uClibc-devel* | new | 0.9.30.1 | *http://www.uclibc.org/* |
| *ucommon-devel* | new | 2.0.5 | *http://www.gnu.org/software/commoncpp* |
| *uim-devel* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *unbound-devel* | 1.2.1 | 1.3.4 | *http://www.nlnetlabs.nl/unbound/* |
| *unique-devel* | 1.0.4 | 1.1.2 | *http://www.gnome.org/~ebassi/source/* |
| *unshield-devel* | 0.5.1 | 0.6 | *http://synce.sourceforge.net/* |
| *unuran-devel* | 1.3.1 | 1.4.1 | *http://statistik.wu-wien.ac.at/unuran* |
| *usbmuxd-devel* | new | 0.1.4 | *http://cgit.pims.selfip.net/usbmuxd/* |
| *util-vserver-devel* | 0.30.215 | 0.30.215+svn2847 | *http://savannah.nongnu.org/projects/util-vserver/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *util-vserver-python* | new | 0.30.215+svn2847 | *http://savannah.nongnu.org/projects/util-vserver/* |
| *vala-devel* | 0.5.7 | 0.7.5 | *http://live.gnome.org/Vala* |
| *valide-devel* | new | 0.5.1 | *http://www.valaide.org* |
| *vigra* | 1.5.0 | 1.6.0 | *http://kogs-www.informatik.uni-hamburg.de/~koethe/vigra/* |
| *vigra-devel* | 1.5.0 | 1.6.0 | *http://kogs-www.informatik.uni-hamburg.de/~koethe/vigra/* |
| *vinagre-devel* | new | 2.28.1 | *http://projects.gnome.org/vinagre/* |
| *vips-devel* | 7.16.4 | 7.18.2 | *http://www.vips.ecs.soton.ac.uk/* |
| *virt-top* | 1.0.3 | 1.0.4 | *http://et.redhat.com/~rjones/virt-top/* |
| *volume_key-devel* | new | 0.3 | *https://fedorahosted.org/volume_key/* |
| *vte-devel* | 0.20.1 | 0.22.2 | n/a |
| *vtk-devel* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *vtkdata* | 5.2.1 | 5.4.2 | *http://www.vtk.org/* |
| *wavpack-devel* | 4.50.1 | 4.60 | *http://www.wavpack.com/* |
| *webkitgtk* | 1.1.4 | 1.1.15.3 | *http://www.webkitgtk.org/* |
| *webkitgtk-devel* | 1.1.4 | 1.1.15.3 | *http://www.webkitgtk.org/* |
| *wordnet-devel* | new | 3.0 | *http://wordnet.princeton.edu* |
| *xapian-bindings-python* | 1.0.11 | 1.0.16 | *http://www.xapian.org/* |
| *xapian-bindings-ruby* | 1.0.11 | 1.0.16 | *http://www.xapian.org/* |
| *xapian-core-devel* | 1.0.11 | 1.0.16 | *http://www.xapian.org/* |
| *xbase-devel* | 2.0.0 | 3.1.2 | *http://linux.techass.com/projects/xdb/* |
| *xblas-devel* | new | 1.0.248 | *http://www.netlib.org/xblas* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xcb-proto* | 1.4 | 1.5 | *http://xcb.freedesktop.org/* |
| *xdrfile-devel* | new | 1.1 | *http://oldwiki.gromacs.org/index.php/XTC_Library* |
| *xemacs-devel* | 21.5.28 | 21.5.29 | *http://www.xemacs.org/* |
| *xemacs-el* | 21.5.28 | 21.5.29 | *http://www.xemacs.org/* |
| *xen* | 3.3.1 | 3.4.1 | *http://xen.org/* |
| *xen-devel* | 3.3.1 | 3.4.1 | *http://xen.org/* |
| *xen-hypervisor* | 3.3.1 | 3.4.1 | *http://xen.org/* |
| *xen-libs* | 3.3.1 | 3.4.1 | *http://xen.org/* |
| *xen-runtime* | 3.3.1 | 3.4.1 | *http://xen.org/* |
| *xfce4-panel-devel* | 4.6.1 | 4.6.2 | *http://www.xfce.org/* |
| *xfce4-session-devel* | 4.6.0 | 4.6.1 | *http://www.xfce.org/* |
| *xforms-devel* | 1.0.90 | 1.0.92 | *http://xforms-toolkit.org/* |
| *xfsprogs-devel* | 3.0.0 | 3.0.3 | *http://oss.sgi.com/projects/xfs/* |
| *xfsprogs-qa-devel* | new | 3.0.3 | *http://oss.sgi.com/projects/xfs/* |
| *xml-security-c-devel* | new | 1.5.1 | *http://santuario.apache.org/c/* |
| *xmlsec1* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmlsec1-devel* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmlsec1-gnutls* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmlsec1-gnutls-devel* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmlsec1-nss* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmlsec1-nss-devel* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmlsec1-openssl* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xmlsec1-openssl-devel* | 1.2.11 | 1.2.12 | *http://www.aleksey.com/xmlsec/* |
| *xmms2-devel* | 0.5 | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *xorg-x11-drv-evdev-devel* | 2.2.1 | 2.3.0 | *http://www.x.org* |
| *xorg-x11-drv-synaptics-devel* | 1.1.0 | 1.1.99 | *http://www.x.org* |
| *xorg-x11-server-source* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xpa-devel* | 2.1.8 | 2.1.10 | *http://hea-www.harvard.edu/RD/xpa/* |
| *xsp-devel* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *xsupplicant-devel* | 1.2.8 | 2.1.8 | *http://www.open1x.org/* |
| *xulrunner-devel* | 1.9.1 | 1.9.1.4 | *http://developer.mozilla.org/En/XULRunner* |
| *xulrunner-devel-unstable* | 1.9.1 | 1.9.1.4 | *http://developer.mozilla.org/En/XULRunner* |
| *xulrunner-python-devel* | 1.9.1 | 1.9.1.4 | *http://developer.mozilla.org/En/XULRunner* |
| *xylib* | new | 0.4 | *http://www.unipress.waw.pl/fityk/xylib/* |
| *xylib-devel* | new | 0.4 | *http://www.unipress.waw.pl/fityk/xylib/* |
| *xz-devel* | new | 4.999.9 | *http://tukaani.org/xz/* |
| *xz-lzma-compat* | new | 4.999.9 | *http://tukaani.org/xz/* |
| *zbar-devel* | new | 0.8 | *http://sourceforge.net/projects/zbar* |
| *zbar-gtk* | new | 0.8 | *http://sourceforge.net/projects/zbar* |
| *zbar-gtk-devel* | new | 0.8 | *http://sourceforge.net/projects/zbar* |
| *zbar-pygtk* | new | 0.8 | *http://sourceforge.net/projects/zbar* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *zbar-qt* | new | 0.8 | *http://sourceforge.net/projects/zbar* |
| *zbar-qt-devel* | new | 0.8 | *http://sourceforge.net/projects/zbar* |
| *zfstream-devel* | new | 20041202 | *http://www.wanderinghorse.net/computing/zfstream/* |
| *zita-convolver-devel* | new | 1.0.0 | *http://www.kokkinizita.net/linuxaudio/* |
| *znc-devel* | new | 0.076 | *http://znc.sf.net/* |
| *znc-extra* | new | 0.076 | *http://znc.sf.net/* |

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

| | |
|---|---|
| Packages changed | 1931 |
| Packages unchanged | 2390 |
| Total packages | 4321 |

### 8.4.8. Development-Python

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-qpid* | 0.5.752600 | 0.5.819819 | *http://qpid.apache.org* |

Table 42. All Development-Python changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 0 |
| Total packages | 1 |

### 8.4.9. Development-Ruby

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ruby-qpid* | 0.5.752600 | 0.5.819819 | *http://qpid.apache.org/* |

Table 43. All Development-Ruby changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 0 |
| Total packages | 1 |

### 8.4.10. Development-System

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *CodeAnalyst-gui* | 2.8.38 | 2.8.54 | *http://developer.amd.com/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | cpu/CodeAnalyst/codeanalystlinux |
| arm4 | 0.8.1 | 0.8.2 | http://www.arm4.org/ |
| blktrace | 1.0.0 | 1.0.1 | http://brick.kernel.dk/snaps |
| brlapi-devel | 0.5.2 | 0.5.4 | http://mielke.cc/brltty/ |
| brlapi-java | 0.5.2 | 0.5.4 | http://mielke.cc/brltty/ |
| classads-devel | 1.0.1 | 1.0.4 | http://www.cs.wisc.edu/condor/classad/ |
| classads-static | 1.0.1 | 1.0.4 | http://www.cs.wisc.edu/condor/classad/ |
| fontpackages-devel | 1.20 | 1.28 | http://fedoraproject.org/wiki/fontpackages/ |
| fontpackages-filesystem | 1.20 | 1.28 | http://fedoraproject.org/wiki/fontpackages/ |
| freeipmi-devel | 0.7.8 | 0.7.12 | http://www.gnu.org/software/freeipmi/ |
| gsoap-devel | 2.7.12 | 2.7.13 | http://gsoap2.sourceforge.net |
| kernel-firmware | 2.6.29.4 | 2.6.31.5 | http://www.kernel.org/ |
| kernel-headers | 2.6.29.4 | 2.6.31.5 | http://www.kernel.org/ |
| lm_sensors-devel | 3.1.0 | 3.1.1 | http://www.lm-sensors.org/ |
| opensm-devel | 3.2.1 | 3.3.2 | http://www.openfabrics.org/ |
| opensm-static | 3.2.1 | 3.3.2 | http://www.openfabrics.org/ |
| oprofile | 0.9.4 | 0.9.5 | http://oprofile.sf.net |
| oprofile-gui | 0.9.4 | 0.9.5 | http://oprofile.sf.net |
| oprofile-jit | 0.9.4 | 0.9.5 | http://oprofile.sf.net |
| perf | new | 2.6.31.5 | http://www.kernel.org/ |
| php-pear-PEAR-Command-Packaging | 0.1.2 | 0.2.0 | http://pear.php.net/package/PEAR_Command_Packaging |
| python-brlapi | 0.5.2 | 0.5.4 | http://mielke.cc/brltty/ |
| qmf-devel | 0.5.752600 | 0.5.829175 | http://qpid.apache.org |
| qpidc-devel | 0.5.752600 | 0.5.829175 | http://qpid.apache.org |
| qpidd-devel | 0.5.752600 | 0.5.829175 | http://qpid.apache.org |
| systemtap | 0.9.5 | 1.0 | http://sourceware.org/systemtap/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *systemtap-client* | 0.9.5 | 1.0 | *http://sourceware.org/systemtap/* |
| *systemtap-grapher* | new | 1.0 | *http://sourceware.org/systemtap/* |
| *systemtap-initscript* | 0.9.5 | 1.0 | *http://sourceware.org/systemtap/* |
| *systemtap-runtime* | 0.9.5 | 1.0 | *http://sourceware.org/systemtap/* |
| *systemtap-sdt-devel* | 0.9.5 | 1.0 | *http://sourceware.org/systemtap/* |
| *systemtap-server* | 0.9.5 | 1.0 | *http://sourceware.org/systemtap/* |
| *systemtap-testsuite* | 0.9.5 | 1.0 | *http://sourceware.org/systemtap/* |
| *tcl-brlapi* | 0.5.2 | 0.5.4 | *http://mielke.cc/brltty/* |
| *xorg-x11-drv-intel-devel* | 2.7.0 | 2.9.1 | *http://www.x.org* |
| *xorg-x11-drv-openchrome-devel* | 0.2.903 | 0.2.904 | *http://www.openchrome.org* |
| *xorg-x11-util-macros* | 1.2.1 | 1.3.0 | *http://www.x.org* |
| *ykclient-devel* | new | 2.3 | *http://yubico-c-client.googlecode.com/* |

Table 44. All Development-System changes

| | |
|---|---|
| Packages changed | 38 |
| Packages unchanged | 15 |
| Total packages | 53 |

## 8.4.11. Development-Tools

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *Cython* | 0.11 | 0.11.3 | *http://www.cython.org* |
| *RasmusDSP-editor* | new | 0.1 | *http://sourceforge.net/projects/rasmusdsp* |
| *anjuta* | 2.26.1.0 | 2.28.1.0 | *http://www.anjuta.org/* |
| *apr-api-docs* | 1.3.3 | 1.3.9 | *http://apr.apache.org/* |
| *aqute-bndlib* | new | 0.0.363 | *http://www.aQute.biz/Code/Bnd* |
| *archmage* | 0.1.9 | 0.2.3 | *http://archmage.sourceforge.net/* |
| *astyle* | 1.21 | 1.23 | *http://astyle.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *auto-destdir* | new | 1.11 | *http://www.dwheeler.com/auto-destdir* |
| *autodafe* | new | 0.1 | *http://autodafe.sourceforge.net/* |
| *automake* | 1.10.2 | 1.11 | *http://sources.redhat.com/automake* |
| *binutils* | 2.19.51.0.2 | 2.19.51.0.14 | *http://sources.redhat.com/binutils* |
| *bmake* | 20080515 | 20090222 | *ftp://ftp.NetBSD.org/pub/NetBSD/misc/sjg/* |
| *bouml* | 4.12.1 | 4.14 | *http://bouml.free.fr/* |
| *buildbot* | 0.7.10p1 | 0.7.11p3 | *http://buildbot.net* |
| *bzr* | 1.14 | 2.0.1 | *http://www.bazaar-vcs.org/* |
| *bzr-gtk* | 0.95.0 | 0.97.0 | *http://bazaar-vcs.org/bzr-gtk* |
| *bzrtools* | 1.14.0 | 2.0.1 | *http://bazaar-vcs.org/BzrTools* |
| *check* | 0.9.6 | 0.9.8 | *http://check.sourceforge.net/* |
| *clips* | 6.24 | 6.30.0 | *http://clipsrules.sourceforge.net* |
| *clips-emacs* | new | 6.30.0 | *http://clipsrules.sourceforge.net* |
| *clips-xclips* | 6.24 | 6.30.0 | *http://clipsrules.sourceforge.net* |
| *cmake* | 2.6.3 | 2.6.4 | *http://www.cmake.org* |
| *cmake-gui* | 2.6.3 | 2.6.4 | *http://www.cmake.org* |
| *cproto* | 4.7g | 4.7h | *http://invisible-island.net/* |
| *ctags* | 5.7 | 5.8 | *http://ctags.sourceforge.net/* |
| *ctags-etags* | 5.7 | 5.8 | *http://ctags.sourceforge.net/* |
| *ctemplate* | 0.93 | 0.95 | *http://code.google.com/p/google-ctemplate/* |
| *cxxtest* | new | 3.10.1 | *http://cxxtest.tigris.org* |
| *d-feet* | 0.1.8 | 0.1.10 | *http://hosted.fedoraproject.org/projects/d-feet* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *dbus-cxx-tools* | new | 0.4.3 | *http://dbus-cxx.sourceforge.net/* |
| *dchroot* | new | 1.2.3 | *http://packages.debian.org/schroot* |
| *devhelp* | 0.23 | 2.28.1 | *http://developer.imendio.com/projects/devhelp* |
| *devtodo* | new | 0.1.20 | *http://swapoff.org/DevTodo* |
| *diffuse* | 0.3.1 | 0.4.0 | *http://diffuse.sourceforge.net/* |
| *doxygen* | 1.5.8 | 1.6.1 | *http://www.stack.nl/~dimitri/doxygen/index.html* |
| *dumbster* | new | 1.6 | *http://quintanasoft.com/dumbster/* |
| *dumpasn1* | 20090107 | 20090721 | *http://www.cs.auckland.ac.nz/~pgut001/* |
| *eclipse-anyedit* | new | 2.2.0 | *http://andrei.gmxhome.de/anyedit/index.html* |
| *eclipse-cdt* | 5.0.2 | 6.0.0 | *http://www.eclipse.org/cdt* |
| *eclipse-changelog* | 2.6.6 | 2.6.7 | *http://sources.redhat.com/eclipse* |
| *eclipse-cmakeed* | 1.1.2 | 1.1.4 | *http://cmakeed.sourceforge.net* |
| *eclipse-dltk-rse* | new | 1.0.0 | *http://www.eclipse.org/dltk/* |
| *eclipse-eclemma* | 1.3.2 | 1.4.2 | *http://www.eclemma.org* |
| *eclipse-egit* | 0.4.0 | 0.5.0 | *http://repo.or.cz/w/egit.git* |
| *eclipse-epic* | 0.6.33 | 0.6.35 | *http://www.epic-ide.org/* |
| *eclipse-linuxprofilingframework* | 0.1.0 | 0.3.0 | *http://eclipse.org/linuxtools* |
| *eclipse-moreunit* | 1.3.2 | 1.3.3 | *http://moreunit.sourceforge.net* |
| *eclipse-mylyn* | 3.1.0 | 3.2.1 | *http://www.eclipse.org/mylyn* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *eclipse-mylyn-java* | 3.1.0 | 3.2.1 | *http://www.eclipse.org/mylyn* |
| *eclipse-mylyn-pde* | 3.1.0 | 3.2.1 | *http://www.eclipse.org/mylyn* |
| *eclipse-mylyn-trac* | 3.1.0 | 3.2.1 | *http://www.eclipse.org/mylyn* |
| *eclipse-mylyn-webtasks* | 3.1.0 | 3.2.1 | *http://www.eclipse.org/mylyn* |
| *eclipse-mylyn-wikitext* | 3.1.0 | 3.2.1 | *http://www.eclipse.org/mylyn* |
| *eclipse-oprofile* | 0.1.0 | 0.2.0 | *http://www.eclipse.org/linuxtools/projectPages/oprofile/* |
| *eclipse-photran* | 4.0.0 | 5.0.0 | *http://www.eclipse.org/photran* |
| *eclipse-pydev* | 1.4.4 | 1.4.7 | *http://pydev.sourceforge.net* |
| *eclipse-pydev-mylyn* | 1.4.4 | 1.4.7 | *http://pydev.sourceforge.net* |
| *eclipse-rpm-editor* | 0.4.2 | 0.4.3 | *http://www.eclipse.org/linuxtools/* |
| *eclipse-rpmstubby* | 0.1.1 | 0.3.0 | *http://www.eclipse.org/linuxtools/projectPages/rpmstubby/* |
| *eclipse-rse* | new | 3.1 | *http://www.eclipse.org/dsdp/tm/* |
| *eclipse-slide* | 1.3.9 | 1.3.13 | *http://oss.tresys.com/projects/slide* |
| *eclipse-subclipse* | 1.6.0 | 1.6.5 | *http://subclipse.tigris.org/* |
| *eclipse-subclipse-graph* | 1.6.0 | 1.6.5 | *http://subclipse.tigris.org/* |
| *eclipse-svnkit* | 1.2.3 | 1.3.0 | *http://www.svnkit.com/* |
| *eclipse-testframework* | new | 3.5.0 | *http://eclipse.org* |
| *eclipse-valgrind* | 0.1.0 | 0.3.0 | *http://www.eclipse.org/linuxtools/projectPages/valgrind* |
| *elfutils* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *elfutils-devel* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |
| *elfutils-devel-static* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |
| *elfutils-libelf* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |
| *elfutils-libelf-devel* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |
| *elfutils-libelf-devel-static* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |
| *elfutils-libs* | 0.140 | 0.143 | *https://fedorahosted.org/elfutils/* |
| *eric* | 4.3.2 | 4.3.7.1 | *http://eric-ide.python-projects.org* |
| *febootstrap* | new | 2.5 | *http://et.redhat.com/~rjones/febootstrap/* |
| *gambas2-devel* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-chart* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-compress* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-crypt* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db-firebird* | new | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db-form* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db-mysql* | new | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db-odbc* | new | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db-postgresql* | new | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-db-sqlite3* | new | 2.17.0 | *http://gambas.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gambas2-gb-desktop* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-form* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-form-dialog* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-form-mdi* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-gtk* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-gtk-ext* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-gtk-svg* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-gui* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-image* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-info* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-net* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-net-curl* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-net-smtp* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-opengl* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-option* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-pcre* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-pdf* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-qt* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-qt-ext* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-qt-kde* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-qt-kde-html* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gambas2-gb-qt-opengl* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-report* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-sdl* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-sdl-sound* | new | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-settings* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-v4l* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-vb* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-web* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-xml* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-xml-rpc* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-gb-xml-xslt* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-ide* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-runtime* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *gambas2-script* | 2.12.0 | 2.17.0 | *http://gambas.sourceforge.net/* |
| *geany* | 0.16 | 0.18 | *http://www.geany.org/* |
| *geany-devel* | 0.16 | 0.18 | *http://www.geany.org/* |
| *geany-plugins-addons* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-common* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-geanygdb* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-geanylatex* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-geanylipsum* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-geanylua* | new | 0.18 | *http://plugins.geany.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *geany-plugins-geanysendmail* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-geanyvc* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-shiftcolumn* | new | 0.18 | *http://plugins.geany.org/* |
| *geany-plugins-spellcheck* | new | 0.18 | *http://plugins.geany.org/* |
| *gflags* | 1.0 | 1.1 | *http://code.google.com/p/google-gflags/* |
| *gimp-devel-tools* | 2.6.6 | 2.6.7 | *http://www.gimp.org/* |
| *git* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-all* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-arch* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-cola* | 1.3.6 | 1.3.9.14 | *http://cola.tuxfamily.org/* |
| *git-cpan-patch* | 0.1.5 | 0.2.1 | *http://search.cpan.org/dist/Git-CPAN-Patch/* |
| *git-cvs* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-daemon* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-email* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-gui* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *git-svn* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *gitg* | new | 0.0.5 | *http://trac.novowork.com/gitg* |
| *gitk* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *gitweb* | 1.6.2.2 | 1.6.5.2 | *http://git-scm.com/* |
| *glade3* | 3.6.1 | 3.6.7 | *http://glade.gnome.org/* |
| *glibc-utils* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *global* | 5.7.3 | 5.7.5 | *http://www.gnu.org/software/global* |
| *gnome-common* | 2.26.0 | 2.28.0 | *http://developer.gnome.org* |
| *gnome-doc-utils* | 0.16.1 | 0.18.0 | *http://www.gnome.org/* |
| *gnome-doc-utils-stylesheets* | 0.16.1 | 0.18.0 | *http://www.gnome.org/* |
| *gnustep-make* | 2.0.8 | 2.2.0 | *http://www.gnustep.org/* |
| *gob2* | 2.0.15 | 2.0.16 | *http://www.5z.com/jirka/gob.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *google-perftools* | 0.99.1 | 1.4 | *http://code.google.com/p/google-perftools/* |
| *gpxe-bootimgs* | new | 0.9.7 | *http://etherboot.org/* |
| *gpxe-roms* | new | 0.9.7 | *http://etherboot.org/* |
| *gpxe-roms-qemu* | new | 0.9.7 | *http://etherboot.org/* |
| *grfcodec* | new | 0.9.11 | *http://www.ttdpatch.net/grfcodec/* |
| *gsoap* | 2.7.12 | 2.7.13 | *http://gsoap2.sourceforge.net* |
| *gtest* | 1.0.0 | 1.3.0 | *http://code.google.com/p/googletest/* |
| *gtranslator* | 1.1.7 | 1.9.6 | *http://gtranslator.sourceforge.net* |
| *guestfish* | new | 1.0.75 | *http://libguestfs.org/* |
| *guilt* | 0.32 | 0.32.1 | *http://www.kernel.org/pub/linux/kernel/people/jsipek/guilt/* |
| *gxemul* | 0.4.6.6 | 0.4.7.2 | *http://gxemul.sourceforge.net/* |
| *happy* | 1.18.2 | 1.18.4 | *http://haskell.org/happy/* |
| *highlight* | 2.8 | 2.13 | *http://www.andre-simon.de/* |
| *highlight-gui* | 2.8 | 2.13 | *http://www.andre-simon.de/* |
| *hscolour* | 1.12 | 1.15 | *http://www.cs.york.ac.uk/fp/darcs/hscolour/* |
| *html-xml-utils* | 3.7 | 5.5 | *http://www.w3.org/Tools/HTML-XML-utils/* |
| *icecream* | 0.9.3 | 0.9.4 | *http://en.opensuse.org/Icecream* |
| *icu* | 4.0.1 | 4.2.1 | *http://www.icu-project.org/* |
| *intel-gpu-tools* | 2.7.0 | 2.9.1 | *http://www.x.org* |
| *intltool* | 0.40.6 | 0.41.0 | *http://www.gnome.org* |
| *jsl* | new | 0.3.0 | *http://javascriptlint.com/* |
| *kdesvn* | 1.2.4 | 1.4.1 | *http://kdesvn.alwins-world.de/* |
| *lcov* | 1.6 | 1.7 | *http://ltp.sourceforge.net/coverage/lcov.php* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lemon* | 3.6.12 | 3.6.17 | *http://www.sqlite.org/* |
| *mapnik-devel* | 0.5.2 | 0.6.1 | *http://mapnik.org/* |
| *mapserver* | 5.2.1 | 5.4.2 | *http://mapserver.gis.umn.edu* |
| *mash* | 0.5.3 | 0.5.8 | *http://fedorahosted.org/releases/m/a/mash/* |
| *maven-doxia-sitetools* | new | 1.0 | *http://maven.apache.org/doxia/* |
| *maven-scm-test* | 1.0 | 1.2 | *http://maven.apache.org/scm* |
| *maven2-plugin-shade* | new | 1.0 | *http://maven.apache.org/* |
| *mediawiki* | 1.14.0 | 1.15.1 | *http://www.mediawiki.org/* |
| *mediawiki-math* | 1.14.0 | 1.15.1 | *http://www.mediawiki.org/* |
| *mediawiki-nomath* | 1.14.0 | 1.15.1 | *http://www.mediawiki.org/* |
| *meld* | 1.2.1 | 1.3.0 | *http://meld.sourceforge.net/* |
| *mercurial* | 1.2.1 | 1.3.1 | *http://www.selenic.com/mercurial/* |
| *mercurial-hgk* | 1.2.1 | 1.3.1 | *http://www.selenic.com/mercurial/* |
| *mk-files* | 20070430 | 20081111 | *ftp://ftp.NetBSD.org/pub/NetBSD/misc/sjg/* |
| *mkdst* | 0.11 | 0.12 | *https://launchpad.net/mkdst/* |
| *mock* | 0.9.16 | 0.9.19 | *http://fedoraproject.org/wiki/Projects/Mock* |
| *mono-debugger* | 2.4 | 2.4.2.1 | *http://www.go-mono.com/sources-stable/* |
| *mono-tools* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *monodevelop* | 2.0 | 2.1.0 | *http://monodevelop.com/* |
| *monodevelop-debugger-mdb* | new | 2.1.0 | *http://www.monodevelop.com* |
| *monotone* | 0.43 | 0.45 | *http://monotone.ca/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *monotone-server* | 0.43 | 0.45 | *http://monotone.ca/* |
| *msp430-binutils* | 2.19 | 2.19.1 | *http://www.gnu.org/software/binutils/* |
| *nasm-rdoff* | 2.05.01 | 2.07 | *http://nasm.sourceforge.net/* |
| *netbeans* | 6.5 | 6.7.1 | *http://www.netbeans.org* |
| *netbeans-apisupport1* | 6.5 | 6.7.1 | *http://www.netbeans.org* |
| *netbeans-ide11* | new | 6.7.1 | *http://www.netbeans.org* |
| *netbeans-java2* | 6.5 | 6.7.1 | *http://www.netbeans.org* |
| *nwsclient* | 1.6.3 | 1.6.4 | *http://nws-py.sourceforge.net/* |

Table 45. All Development-Tools changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *nwsserver* | 1.5.2 | 2.0.0 | *http://www.lindaspaces.com/products/NWS_overview.html* |
| *opengrok* | 0.7 | 0.8 | *http://www.opensolaris.org/os/project/opengrok/* |
| *openocd* | new | 0.2.0 | *http://openocd.berlios.de/web/* |
| *pcsc-tools* | 1.4.14 | 1.4.15 | *http://ludovic.rousseau.free.fr/softwares/pcsc-tools/* |
| *perl-Monotone* | 0.43 | 0.45 | *http://monotone.ca/* |
| *perl-Sys-Virt-TCK* | new | 0.1.0 | *http://libvirt.org/* |
| *perltidy* | 20071205 | 20090616 | *http://perltidy.sourceforge.net/* |
| *pgfouine* | 1.0 | 1.1 | *http://pgfouine.projects.postgresql.org* |
| *php-pear-PHP-CodeSniffer* | 1.1.0 | 1.2.0 | *http://pear.php.net/package/PHP_CodeSniffer* |
| *phpcs* | 1.1.0 | 1.2.0 | *http://pear.php.net/package/PHP_CodeSniffer* |
| *phpdoc* | 1.4.2 | 1.4.3 | *http://www.phpdoc.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *plexus-mail-sender* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-naming* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-registry* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-resources* | new | 1.0 | *http://plexus.codehaus.org/* |
| *proguard* | new | 4.4 | *http://proguard.sourceforge.net* |
| *pungi* | 2.0.16 | 2.0.20 | *https://fedorahosted.org/pungi* |
| *python-cerealizer* | 0.6 | 0.7 | *http://home.gna.org/oomadness/en/cerealizer/index.html* |
| *python-sphinx* | 0.5.1 | 0.6.3 | *http://sphinx.pocoo.org/* |
| *python-tools* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *qemu* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-common* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-img* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-kvm* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-kvm-tools* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-arm* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-cris* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-m68k* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-mips* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-ppc* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-sh4* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-sparc* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-system-x86* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qemu-user* | 0.10 | 0.11.0 | *http://www.qemu.org/* |
| *qgit* | 2.2 | 2.3 | *http://digilander.libero.it/mcostalba/* |
| *qscintilla* | 2.3.2 | 2.4 | *http://www.riverbankcomputing.com/software/qscintilla/* |
| *qt-creator* | 1.0.0 | 1.2.90 | *http://www.qtsoftware.com/developer/qt-creator* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ragel* | 6.3 | 6.5 | *http://www.complang.org/ragel/* |
| *rapidsvn* | 0.9.6 | 0.10.0 | *http://www.rapidsvn.org/* |
| *rmanage* | 0.1.6 | 0.1.7 | *http://code.google.com/p/rmanage/* |
| *rpm-build* | 4.7.0 | 4.7.1 | *http://www.rpm.org/* |
| *rpmdevtools* | 7.1 | 7.5 | *https://fedorahosted.org/rpmdevtools/* |
| *rpmlint* | 0.87 | 0.91 | *http://rpmlint.zarb.org/* |
| *schroot* | new | 1.2.3 | *http://packages.debian.org/schroot* |
| *scribus-doc* | 1.3.5 | 1.3.5.1 | *http://www.scribus.net/* |
| *shortrpm* | new | 1.2 | *http://v3.sk/~lkundrak/shortrpm* |
| *siege* | 2.67 | 2.69 | *http://www.joedog.org/JoeDog/Siege* |
| *sip* | 4.7.9 | 4.8.2 | *http://www.riverbankcomputing.com/software/sip/intro* |
| *sparse* | 0.4.1 | 0.4.2 | *http://www.kernel.org/pub/software/devel/sparse/* |
| *squirrel* | 2.2.2 | 2.2.3 | *http://squirrel-lang.org/* |
| *srecord* | 1.47 | 1.51 | *http://srecord.sourceforge.net/* |
| *subcommander* | 1.9.94 | 2.0 | *http://subcommander.tigris.org* |
| *subversion* | 1.6.1 | 1.6.5 | *http://subversion.tigris.org/* |
| *subversion-api-docs* | 1.6.0 | 1.6.5 | *http://subversion.tigris.org/* |
| *subversion-devel* | 1.6.1 | 1.6.5 | *http://subversion.tigris.org/* |
| *subversion-gnome* | new | 1.6.5 | *http://subversion.tigris.org/* |
| *subversion-kde* | new | 1.6.5 | *http://subversion.tigris.org/* |
| *svn2cl* | 0.11 | dropped | *http://ch.tudelft.nl/~arthur/svn2cl/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *svnkit* | 1.2.3 | 1.3.0 | *http://www.svnkit.com/* |
| *swig* | 1.3.39 | 1.3.40 | *http://swig.sourceforge.net/* |
| *swig-doc* | 1.3.39 | 1.3.40 | *http://swig.sourceforge.net/* |
| *synopsis* | 0.11 | 0.12 | *http://synopsis.fresco.org* |
| *synopsis-idl* | 0.11 | 0.12 | *http://synopsis.fresco.org* |
| *systemtapguiserver* | new | 1.0 | *http://stapgui.sourceforge.net/* |
| *translate-toolkit* | 1.3.0 | 1.4.1 | *http://translate.sourceforge.net/wiki/toolkit/index* |
| *translate-toolkit-devel* | 1.3.0 | 1.4.1 | *http://translate.sourceforge.net/wiki/toolkit/index* |
| *uncrustify* | 0.52 | 0.54 | *http://uncrustify.sourceforge.net/* |
| *valide* | new | 0.5.1 | *http://www.valaide.org* |
| *viewvc* | 1.1.0 | 1.1.2 | *http://www.viewvc.org/* |
| *viewvc-httpd* | 1.1.0 | 1.1.2 | *http://www.viewvc.org/* |
| *virt-df* | 2.1.5 | dropped | *http://et.redhat.com/~rjones/virt-df/* |
| *virtaal* | 0.3.1 | 0.4.1 | *http://translate.sourceforge.net/wiki/virtaal/index* |
| *waf* | 1.5.4 | 1.5.9 | *http://code.google.com/p/waf/* |
| *xfce4-dev-tools* | 4.5.99.1 | 4.7.2 | *http://xfce.org/~benny/projects/xfce4-dev-tools/* |
| *xsd* | new | 3.2.0 | *http://www.codesynthesis.com/products/xsd/* |
| *yum-presto* | 0.4.5 | 0.6.1 | *http://www.lesbg.com/jdieter/presto/* |
| *yum-utils* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *z88dk* | 1.8 | 1.9 | *http://z88dk.sourceforge.net/* |

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

| | |
|---|---|
| Packages changed | 286 |

| | |
|---|---|
| Packages unchanged | 299 |
| Total packages | 585 |

### 8.4.12. Development

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *amqp* | 1.0.752600 | 1.0.819819 | *http://www.amqp.org* |
| *libsmbclient-devel* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *samba-winbind-devel* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |

Table 47. All Development changes

| | |
|---|---|
| Packages changed | 3 |
| Packages unchanged | 0 |
| Total packages | 3 |

## 8.5. Documentation

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *389-admin-console-doc* | new | 1.1.4 | *http://port389.org* |
| *389-ds-console-doc* | new | 1.2.0 | *http://port389.org* |
| *CCfits-docs* | 2.1 | 2.2 | *http://heasarc.gsfc.nasa.gov/docs/software/fitsio/ccfits* |
| *CGAL-demos-source* | 3.3.1 | 3.5 | *http://www.cgal.org/* |
| *Django-doc* | 1.0.2 | 1.1 | *http://www.djangoproject.com/* |
| *GMT-doc* | 4.4.0 | 4.5.1 | *http://gmt.soest.hawaii.edu/* |
| *GtkAda-doc* | 2.10.2 | 2.14.0 | *https://libre.adacore.com/GtkAda/* |
| *ImageMagick-doc* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *LuxRender-devel-docs* | new | 0.5 | *http://www.luxrender.net* |
| *MiniCopier-javadoc* | new | 0.4 | *http://a.courreges.free.fr/projets/minicopier/minicopier-en.php* |
| *PgsLookAndFeel-javadoc* | new | 1.1 | *https://pgslookandfeel.dev.java.net/* |
| *Pixie-docs* | 2.2.5 | 2.2.6 | *http://www.renderpixie.com/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *RasmusDSP-javadoc* | new | 0.1 | *http://sourceforge.net/projects/rasmusdsp* |
| *SevenZip-javadoc* | new | 4.65 | *http://www.7-zip.org/sdk.html* |
| *anjuta-doc* | 2.26.1.0 | 2.28.1.0 | *http://www.anjuta.org/* |
| *aqute-bndlib-javadoc* | new | 0.0.363 | *http://www.aQute.biz/Code/Bnd* |
| *autodafe-doc* | new | 0.1 | *http://autodafe.sourceforge.net/* |
| *backport-util-concurrent-javadoc* | new | 3.1 | *http://backport-jsr166.sourceforge.net* |
| *bacula-docs* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bes-doc* | 3.6.2 | 3.7.2 | *http://www.opendap.org/download/BES.html* |
| *boinc-client-doc* | 6.4.7 | 6.6.37 | *http://boinc.berkeley.edu/* |
| *boost-doc* | 1.37.0 | 1.39.0 | *http://www.boost.org/* |
| *bouncycastle-tsp-javadoc* | new | 1.43 | *http://www.bouncycastle.org/* |
| *bugzilla-doc* | 3.2.3 | 3.4.2 | *http://www.bugzilla.org/* |
| *cim-schema-docs* | new | 2.22.0 | *http://www.dmtf.org/* |
| *clips-doc* | 6.24 | 6.30.0 | *http://clipsrules.sourceforge.net* |
| *clipsmm-doc* | new | 0.1.0 | *http://clipsmm.sourceforge.net* |
| *clutter-doc* | 0.8.6 | 1.0.6 | *http://www.clutter-project.org/* |
| *cobertura-javadoc* | new | 1.9 | *http://cobertura.sourceforge.net/* |
| *colossus-javadoc* | new | 0.9.3 | *http://colossus.sourceforge.net/* |
| *cone-doc* | 0.75 | 0.78 | *http://www.courier-mta.org/cone/* |
| *conexus-doc* | new | 0.9.0 | *http://conexus.sourceforge.net* |
| *cpptasks-javadoc* | new | 1.0b5 | *http://ant-contrib.sourceforge.net/* |
| *csound-javadoc* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *csound-manual* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *cxxtest-doc* | new | 3.10.1 | *http://cxxtest.tigris.org* |
| *dbus-cxx-doc* | new | 0.4.3 | *http://dbus-cxx.sourceforge.net/* |
| *dbus-doc* | 1.2.12 | 1.2.16 | *http://www.freedesktop.org/software/dbus/* |
| *dnsjava-javadoc* | new | 2.0.6 | *http://www.dnsjava.org/* |
| *dumbster-javadoc* | new | 1.6 | *http://quintanasoft.com/dumbster/* |
| *easymock-javadoc* | new | 1.2 | *http://www.easymock.org/* |
| *easymock2-javadoc* | new | 2.5 | *http://easymock.org/* |
| *electric-javadoc* | 8.08 | 8.09 | *http://www.staticfreesoft.com/* |
| *entertainer-doc* | new | 0.4.2 | *https://launchpad.net/entertainer* |
| *fedora-security-guide-en-US* | new | 1.0 | *http://docs.fedoraproject.org* |
| *findbugs-contrib-javadoc* | new | 4.0.0 | *http://fb-contrib.sourceforge.net/* |
| *fpc-doc* | 2.2.2 | 2.2.4 | *http://www.freepascal.org/* |
| *freecol-manual* | 0.8.1 | 0.8.3 | *http://www.freecol.org/* |
| *frinika-javadoc* | new | 0.5.1 | *http://frinika.appspot.com/* |
| *ftgl-docs* | 2.1.2 | 2.1.3 | *http://ftgl.wiki.sourceforge.net/* |
| *ghostscript-doc* | 8.64 | 8.70 | *http://www.ghostscript.com/* |
| *glibmm24-doc* | 2.20.0 | 2.22.1 | *http://gtkmm.sourceforge.net/* |
| *globus-callout-doc* | new | 0.7 | *http://www.globus.org/* |
| *globus-ftp-client-doc* | new | 3.14 | *http://www.globus.org/* |
| *globus-ftp-control-doc* | new | 2.10 | *http://www.globus.org/* |
| *globus-gass-copy-doc* | new | 4.14 | *http://www.globus.org/* |
| *globus-gass-transfer-doc* | new | 3.4 | *http://www.globus.org/* |
| *globus-gsi-callback-doc* | new | 1.10 | *http://www.globus.org/* |
| *globus-gsi-cert-utils-doc* | new | 5.5 | *http://www.globus.org/* |
| *globus-gsi-credential-doc* | new | 2.2 | *http://www.globus.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *globus-gsi-openssl-error-doc* | new | 0.14 | *http://www.globus.org/* |
| *globus-gsi-proxy-core-doc* | new | 3.4 | *http://www.globus.org/* |
| *globus-gsi-proxy-ssl-doc* | new | 1.5 | *http://www.globus.org/* |
| *globus-gsi-sysconfig-doc* | new | 2.2 | *http://www.globus.org/* |
| *globus-gss-assist-doc* | new | 4.0 | *http://www.globus.org/* |
| *globus-gssapi-error-doc* | new | 2.5 | *http://www.globus.org/* |
| *globus-gssapi-gsi-doc* | new | 5.9 | *http://www.globus.org/* |
| *globus-openssl-module-doc* | new | 0.6 | *http://www.globus.org/* |
| *globus-rls-client-doc* | new | 5.1 | *http://www.globus.org/* |
| *globus-xio-doc* | new | 2.8 | *http://www.globus.org/* |
| *globus-xio-gsi-driver-doc* | new | 0.6 | *http://www.globus.org/* |
| *glpk-doc* | 4.36 | 4.39 | *http://www.gnu.org/software/glpk/glpk.html* |
| *gnome-user-docs* | 2.26.1 | 2.28.0 | n/a |
| *gnustep-make-doc* | 2.0.8 | 2.2.0 | *http://www.gnustep.org/* |
| *gstreamer-java-javadoc* | 1.0 | 1.2 | *http://code.google.com/p/gstreamer-java/* |
| *gtk-sharp2-doc* | 2.12.7 | 2.12.9 | *http://gtk-sharp.sf.net* |
| *gtkmm-utils-doc* | new | 0.4.1 | *http://code.google.com/p/gtkmm-utils/* |
| *gtkmm-utils-example* | new | 0.4.1 | *http://code.google.com/p/gtkmm-utils/* |
| *gtkmm24-docs* | 2.16.0 | 2.18.1 | *http://gtkmm.sourceforge.net/* |
| *gtksourcecompletion-doc* | 0.5.2 | 0.7.0 | *http://gtksourcecomple.sourceforge.net/* |
| *gutenprint-doc* | new | 5.2.4 | *http://gimp-print.sourceforge.net/* |
| *hamlib-doc* | 1.2.8 | 1.2.9 | *http://hamlib.sourceforge.net* |
| *httpd-manual* | 2.2.11 | 2.2.13 | *http://httpd.apache.org/* |
| *ini4j-javadoc* | 0.3.2 | 0.4.1 | *http://www.ini4j.org/* |
| *itext-javadoc* | 2.1.5 | 2.1.7 | *http://www.lowagie.com/iText/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *jVorbisEnc-javadoc* | new | 0.1 | *http://zbigniew.sudnik.org/app/vorbis/vorbis.html* |
| *jakarta-commons-compress-javadoc* | 0 | 1.0 | *http://commons.apache.org/compress/* |
| *jakarta-commons-configuration-javadoc* | new | 1.4 | *http://commons.apache.org/configuration/* |
| *jakarta-commons-io-javadoc* | 1.3.2 | 1.4 | *http://commons.apache.org/io/* |
| *jakarta-commons-jxpath-javadoc* | new | 1.2 | *http://jakarta.apache.org/commons/jxpath/* |
| *jakarta-commons-net-javadoc* | 1.4.1 | 2.0 | *http://commons.apache.org/net/* |
| *jargs-javadoc* | new | 1.0 | *http://jargs.sourceforge.net/* |
| *javanotes* | new | 5.1 | *http://math.hws.edu/javanotes/* |
| *javasqlite-javadoc* | 20090409 | 20090430 | *http://www.ch-werner.de/javasqlite/* |
| *jemmy-javadoc* | new | 2.3.0.0 | *https://jemmy.dev.java.net* |
| *jetty-javadoc* | 5.1.14 | 6.1.20 | *http://jetty.mortbay.org/jetty/* |
| *jetty-manual* | 5.1.14 | 6.1.20 | *http://jetty.mortbay.org/jetty/* |
| *jide-oss-doc* | new | 2.7.1 | *https://jide-oss.dev.java.net/* |
| *jide-oss-javadoc* | new | 2.7.1 | *https://jide-oss.dev.java.net/* |
| *jjack-javadoc* | new | 0.3 | *http://jjack.berlios.de/* |
| *jorbis-javadoc* | new | 0.0.17 | *http://www.jcraft.com/jorbis/index.html* |
| *json-javadoc* | new | 3 | *http://www.json.org/java/index.html* |
| *jss-javadoc* | new | 4.2.6 | *http://www.mozilla.org/projects/security/pki/jss/* |
| *kannel-docs* | new | 1.4.3 | *http://www.kannel.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kaya-doc* | 0.5.1 | 0.5.2 | *http://kayalang.org* |
| *kicad-doc-de* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-es* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-fr* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-hu* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-it* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-pt* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-ru* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *kicad-doc-zh_CN* | new | 2009.07.07 | *http://www.lis.inpg.fr/realise_au_lis/kicad/* |
| *l2fprod-common-javadoc* | new | 7.3 | *http://www.l2fprod.com/common/* |
| *ldd-pdf* | new | 3.0 | *http://lwn.net/Kernel/LDD3/* |
| *libdap-doc* | 3.8.2 | 3.9.3 | *http://www.opendap.org/* |
| *libdc1394-docs* | 2.1.0 | 2.1.2 | *http://sourceforge.net/projects/libdc1394/* |
| *libgpod-doc* | 0.7.0 | 0.7.2 | *http://www.gtkpod.org/libgpod.html* |
| *libicu-doc* | 4.0.1 | 4.2.1 | *http://www.icu-project.org/* |
| *libinfinity-doc* | new | 0.3.0 | *http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity* |
| *libkate-docs* | new | 0.3.6 | *http://code.google.com/p/libkate/* |
| *libmicrohttpd-doc* | 0.4.0a | 0.4.2 | *http://www.gnu.org/software/libmicrohttpd/* |
| *libpst-devel-doc* | 0.6.36 | 0.6.44 | *http://www.five-ten-sg.com/libpst/* |
| *libpst-doc* | 0.6.36 | 0.6.44 | *http://www.five-ten-sg.com/libpst/* |
| *libsigc++20-doc* | new | 2.2.4.2 | *http://libsigc.sourceforge.net/* |
| *libsilc-doc* | 1.1.8 | 1.1.10 | *http://www.silcnet.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libxcb-doc* | 1.2 | 1.4 | *http://xcb.freedesktop.org/* |
| *libxdg-basedir-doc* | new | 1.0.2 | *http://n.ethz.ch/student/nevillm/download/libxdg-basedir* |
| *lirc-doc* | 0.8.5 | 0.8.6 | *http://www.lirc.org/* |
| *loki-lib-doc* | 0.1.6 | 0.1.7 | *http://sourceforge.net/projects/loki-lib* |
| *magic-doc* | 7.5.169 | 8.0.54 | *http://opencircuitdesign.com/magic/index.html* |
| *man-pages* | 3.19 | 3.22 | *http://www.kernel.org/pub/linux/docs/manpages/* |
| *man-pages-cs* | 0.17.20080113 | 0.18.20090209 | *http://sweb.cz/tropikhajma/man-pages-cs/index.html* |
| *man-pages-ja* | 20090215 | 20090715 | *http://www.linux.or.jp/JM/* |
| *maven-archiver-javadoc* | new | 2.2 | *http://maven.apache.org/* |
| *maven-doxia-sitetools-javadoc* | new | 1.0 | *http://maven.apache.org/doxia/* |
| *maven-embedder-javadoc* | new | 2.0.4 | *http://maven.apache.org/* |
| *maven-enforcer-rule-api-javadoc* | new | 1.0 | *http://svn.apache.org/repos/asf/maven/shared/tags/maven-enforcer-rule-api-1.0-alpha-2* |
| *maven-plugin-tools-javadoc* | new | 2.1 | *http://maven.apache.org/plugin-tools/* |
| *maven-scm-javadoc* | 1.0 | 1.2 | *http://maven.apache.org/scm* |
| *maven-shared-javadoc* | new | 8 | *http://maven.apache.org/shared/* |
| *maven2-plugin-shade-javadoc* | new | 1.0 | *http://maven.apache.org/* |
| *mono-tools-monodoc* | 2.4 | 2.4.2 | *http://mono.ximian.com/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *monobuild/preview/sources-preview/* |
| *mono-zeroconf-devel* | 0.7.6 | 0.9.0 | *http://banshee-project.org/files/mono-zeroconf* |
| *monodoc* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *monodoc-devel* | 2.4 | 2.4.2.3 | *http://www.mono-project.com/Main_Page* |
| *mrpt-doc* | 0.6.5 | 0.7.1 | *http://babel.isa.uma.es/mrpt/* |
| *netbeans-platform-javadoc* | 6.5 | 6.7.1 | *http://platform.netbeans.org* |
| *ngspice-doc* | 18 | 19 | *http://ngspice.sourceforge.net/* |
| *ntp-doc* | new | 4.2.4p7 | *http://www.ntp.org* |
| *octave-doc* | new | 3.2.3 | *http://www.octave.org* |
| *ogre-devel-doc* | 1.6.1 | 1.6.4 | *http://www.ogre3d.org/* |
| *opengrok-javadoc* | 0.7 | 0.8 | *http://www.opensolaris.org/os/project/opengrok/* |
| *openoffice.org-sdk-doc* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *openscada-doc* | new | 0.6.4 | *http://oscada.org.ua* |
| *openttd-docs* | new | 0.7.3 | *http://www.openttd.org* |
| *openvrml-doc* | new | 0.18.3 | *http://openvrml.org* |
| *orsa-common* | new | 0.7.0 | *http://orsa.sourceforge.net* |
| *papyrus-doc* | new | 0.12.1 | *http://libpapyrus.sourceforge.net/* |
| *parrot-docs* | new | 1.6.0 | *http://www.parrot.org/* |
| *php-manual-en* | 20090213 | 20090619 | *http://www.php.net/download-docs.php* |
| *php-pear-PhpDocumentor-docs* | 1.4.2 | 1.4.3 | *http://www.phpdoc.org/* |
| *plexus-classworlds-javadoc* | new | 1.2 | *http://plexus.codehaus.org/* |
| *plexus-cli-javadoc* | new | 1.2 | *http://plexus.codehaus.org/* |
| *plexus-containers-component-annotations* | new | 1.0 | *http://plexus.codehaus.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *plexus-containers-component-annotations-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-containers-container-default* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-containers-container-default-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-digest-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-mail-sender-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-naming-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-registry-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-resources-javadoc* | new | 1.0 | *http://plexus.codehaus.org/* |
| *plexus-utils-javadoc* | 1.2 | 1.4.5 | *http://plexus.codehaus.org/* |
| *podsleuth-devel* | 0.6.3 | 0.6.4 | *http://banshee-project.org/PodSleuth* |
| *potrace-doc* | new | 1.8 | *http://potrace.sourceforge.net* |
| *ppl-docs* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-java-javadoc* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *ppl-pwl-docs* | 0.10.1 | 0.10.2 | *http://www.cs.unipr.it/ppl/* |
| *proguard-manual* | new | 4.4 | *http://proguard.sourceforge.net* |
| *publican-doc* | 0.44 | 1.1 | *https://publican.fedorahosted.org* |
| *python-docs* | 2.6 | 2.6.2 | *http://www.python.org/* |
| *python-kiwi-docs* | 1.9.23 | 1.9.25 | *http://www.async.com.br/projects/kiwi/* |
| *python-psycopg2-doc* | 2.0.9 | 2.0.13 | *http://www.initd.org/software/initd/psycopg* |
| *python-repoze-what-docs* | new | 1.0.8 | *http://pypi.python.org/pypi/repoze.what* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-simpy-doc* | 2.0 | 2.0.1 | *http://simpy.sourceforge.net* |
| *python-sphinx-doc* | 0.5.1 | 0.6.3 | *http://sphinx.pocoo.org/* |
| *python-werkzeug-doc* | new | 0.5.1 | *http://werkzeug.pocoo.org/* |
| *qpidc-devel-docs* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qt-demos* | new | 4.5.3 | *http://www.qtsoftware.com/* |
| *qt-doc* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *qt-examples* | new | 4.5.3 | *http://www.qtsoftware.com/* |
| *rmol-doc* | 0.19.0 | 0.23.0 | *http://rmol.sourceforge.net* |
| *rpm-apidocs* | 4.7.0 | 4.7.1 | *http://www.rpm.org/* |
| *rrdtool-doc* | 1.3.7 | 1.3.8 | *http://oss.oetiker.ch/rrdtool/* |
| *ruby-RMagick-doc* | 2.9.1 | 2.12.2 | *http://rmagick.rubyforge.org/* |
| *ruby-aws-doc* | 0.5.1 | 0.7.0 | *http://www.caliban.org/ruby/ruby-aws/* |
| *ruby-docs* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *ruby-openid-doc* | 2.1.4 | 2.1.7 | *http://openidenabled.com/ruby-openid/* |
| *ruby-ri* | 1.8.6.287 | 1.8.6.383 | *http://www.ruby-lang.org/* |
| *rubygem-allison-doc* | new | 2.0.3 | *http://github.com/fauna/allison/tree/master* |
| *rubygem-ferret-doc* | new | 0.11.6 | *http://rubyforge.org/projects/ferret/* |
| *rubygem-flexmock-doc* | new | 0.8.6 | *http://flexmock.rubyforge.org* |
| *rubygem-gettext-doc* | 2.0.0 | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext.html?ruby-gettext* |
| *rubygem-gettext_activerecord-doc* | new | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext-rails.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rubygem-gettext_rails-doc* | new | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-gettext-rails.html* |
| *rubygem-json-doc* | new | 1.1.7 | *http://json.rubyforge.org* |
| *rubygem-locale-doc* | 2.0.0 | 2.0.4 | *http://locale.rubyforge.org/* |
| *rubygem-locale_rails-doc* | new | 2.0.4 | *http://www.yotabanana.com/hiki/ruby-locale-rails.html* |
| *rubygem-mechanize-doc* | 0.9.2 | 0.9.3 | *http://mechanize.rubyforge.org/* |
| *rubygem-mkrf-doc* | new | 0.2.3 | *http://mkrf.rubyforge.org/* |
| *rubygem-nokogiri-doc* | 1.2.3 | 1.3.3 | *http://nokogiri.rubyforge.org/nokogiri/* |
| *rubygem-rake-compiler-doc* | new | 0.6.0 | *http://rake-compiler.rubyforge.org/* |
| *rubygem-ruby-opengl-doc* | new | 0.60.1 | *http://ruby-opengl.rubyforge.org/* |
| *samba-doc* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *saxpath-javadoc* | new | 1.0 | *http://sourceforge.net/projects/saxpath/* |
| *scala-apidoc* | 2.7.3 | 2.7.5 | *http://www.scala-lang.org/* |
| *scidavis-manual* | 0.2.1 | 0.2.3 | *http://scidavis.sourceforge.net/* |
| *scim-doc* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *soci-doc* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *speech-dispatcher-doc* | 0.6.6 | 0.6.7 | *http://www.freebsoft.org/pub/projects/speechd/* |

Table 48. All Documentation changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sqlite-doc* | new | 3.6.17 | *http://www.sqlite.org/* |
| *stxxl-doc* | new | 1.2.1 | *http://stxxl.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *suitesparse-doc* | new | 3.4.0 | *http://www.cise.ufl.edu/research/sparse/SuiteSparse* |
| *synopsis-doc* | 0.11 | 0.12 | *http://synopsis.fresco.org* |
| *system-config-date-docs* | 1.0.7 | 1.0.8 | *https://fedorahosted.org/system-config-date-docs* |
| *system-config-nfs-docs* | 1.0.6 | 1.0.7 | *https://fedorahosted.org/system-config-nfs-docs* |
| *system-config-samba-docs* | 1.0.6 | 1.0.7 | *https://fedorahosted.org/system-config-samba-docs* |
| *system-config-services-docs* | 1.1.6 | 1.1.7 | *https://fedorahosted.org/system-config-services-docs* |
| *system-config-users-docs* | 1.0.6 | 1.0.7 | *https://fedorahosted.org/system-config-users-docs* |
| *tachyon-docs* | 0.98.1 | 0.98.7 | *http://jedi.ks.uiuc.edu/~johns/raytracer/* |
| *taglib-doc* | new | 1.6 | *http://developer.kde.org/~wheeler/taglib.html* |
| *tcl-html* | 8.5.6 | 8.5.7 | *http://tcl.sourceforge.net/* |
| *testdisk-doc* | 6.10 | 6.11 | *http://www.cgsecurity.org/wiki/TestDisk* |
| *toot2-javadoc* | new | 3 | *http://toot.org.uk/index.html* |
| *tootaudioservers-javadoc* | new | 3 | *http://code.google.com/p/tootaudioservers/* |
| *tritonus-javadoc* | new | 0.3.7 | *http://www.tritonus.org/* |
| *ucommon-doc* | new | 2.0.5 | *http://www.gnu.org/software/commoncpp* |
| *vala-doc* | 0.5.7 | 0.7.5 | *http://live.gnome.org/Vala* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *vidalia-doc* | new | 0.1.15 | *https://www.torproject.org/vidalia/* |
| *vips-doc* | 7.16.4 | 7.18.2 | *http://www.vips.ecs.soton.ac.uk/* |
| *virtuoso-opensource-doc* | new | 5.0.12 | *http://virtuoso.sourceforge.net/* |
| *webkitgtk-doc* | 1.1.4 | 1.1.15.3 | *http://www.webkitgtk.org/* |
| *xemacs-info* | 21.5.28 | 21.5.29 | *http://www.xemacs.org/* |
| *xen-doc* | new | 3.4.1 | *http://xen.org/* |
| *xgridfit-doc* | 1.17 | 1.19 | *http://xgridfit.sf.net/* |
| *xmms2-docs* | 0.5 | 0.6 | *http://wiki.xmms2.xmms.se/* |
| *xsd-doc* | new | 3.2.0 | *http://www.codesynthesis.com/products/xsd/* |
| *zabbix-docs* | 1.6.4 | 1.6.6 | *http://www.zabbix.com/* |

Table 49. All Documentation changes (cont'd)

| | |
|---|---|
| Packages changed | 249 |
| Packages unchanged | 219 |
| Total packages | 468 |

## 8.6. Sugar-Activities

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sugar-browse* | 108 | 114 | *http://wiki.laptop.org/go/Browse* |
| *sugar-calculator* | 28 | 30 | *http://wiki.laptop.org/go/Calculate* |
| *sugar-chat* | 65 | 66 | *http://wiki.laptop.org/go/Chat* |
| *sugar-clock* | 0 | 5 | *http://wiki.laptop.org/go/Clock* |
| *sugar-finance* | 0 | 3 | *http://wiki.laptop.org/go/Finance* |
| *sugar-flipsticks* | new | 2 | *http://wiki.sugarlabs.org/go/Activities/Flip_Sticks* |
| *sugar-help* | 7 | 10 | *http://wiki.laptop.org/go/Help_(activity)* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sugar-imageviewer* | 7 | 14 | *http://wiki.laptop.org/go/Image_Viewer* |
| *sugar-infoslicer* | new | 5.1 | *http://sugarlabs.org/go/Activities/InfoSlicer* |
| *sugar-jukebox* | 8 | 11 | *http://wiki.laptop.org/go/Jukebox* |
| *sugar-log* | 18 | 23 | *http://wiki.laptop.org/go/Log* |
| *sugar-memorize* | 29 | 33 | *http://wiki.sugarlabs.org/go/Activities/Memorize* |
| *sugar-moon* | 9 | 10 | *http://wiki.laptop.org/go/Moon* |
| *sugar-pippy* | 25 | 34 | *http://wiki.laptop.org/go/Pippy* |
| *sugar-read* | 66 | 76 | *http://wiki.laptop.org/go/Read* |
| *sugar-record* | new | 64 | *http://wiki.laptop.org/go/Record* |
| *sugar-stopwatch* | new | 0 | *http://wiki.laptop.org/go/Stopwatch* |
| *sugar-terminal* | 25 | 28 | *http://wiki.laptop.org/go/Terminal* |
| *sugar-turtleart* | 41 | 72 | *http://sugarlabs.org/go/Activities/Turtle_Art* |
| *sugar-write* | 63 | 68 | *http://wiki.sugarlabs.org/go/Activities/Write* |

Table 50. All Sugar-Activities changes

| | |
|---|---|
| Packages changed | 20 |
| Packages unchanged | 8 |
| Total packages | 28 |

## 8.7. System Environment

### 8.7.1. System Environment-Base

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GConf2* | 2.26.0 | 2.28.0 | *http://projects.gnome.org/gconf/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GConf2-gtk* | 2.26.0 | 2.28.0 | *http://projects.gnome.org/gconf/* |
| *ModemManager* | new | 0.2 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager* | 0.7.1 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager-openconnect* | 0.7.0.99 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager-openvpn* | 0.7.0.99 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager-pptp* | 0.7.0.99 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *NetworkManager-vpnc* | 0.7.0.99 | 0.7.996 | *http://www.gnome.org/projects/NetworkManager/* |
| *PackageKit-cron* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-yum-plugin* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PolicyKit-olpc* | 1.2 | dropped | *http://www.laptop.org* |
| *adjtimex* | 1.26 | 1.27.1 | n/a |
| *amtu* | 1.0.6 | 1.0.8 | *http://sourceforge.net/projects/amtueal/* |
| *appliance-tools* | 004 | 004.4 | *http://git.et.redhat.com/?p=act.git* |
| *authconfig* | 5.4.10 | 5.4.13 | *https://fedorahosted.org/authconfig* |
| *authconfig-gtk* | 5.4.10 | 5.4.13 | *https://fedorahosted.org/authconfig* |
| *b43-fwcutter* | 011 | 012 | *http://bu3sch.de/b43/fwcutter/* |
| *b43-tools* | new | 0 | *http://bu3sch.de/gitweb?p=b43-tools.git;a=summary* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *bitfrost* | new | 1.0.1 | *http://dev.laptop.org/git/projects/bitfrost* |
| *btrfs-progs* | 0.18 | 0.19 | *http://btrfs.wiki.kernel.org/index.php/Main_Page* |
| *ca-certificates* | 2008 | 2009 | *http://www.mozilla.org/* |
| *chkconfig* | 1.3.42 | 1.3.44 | n/a |
| *chunkd* | new | 0.4 | *http://hail.wiki.kernel.org/* |
| *cld* | new | 0.2.1 | *http://hail.wiki.kernel.org/* |
| *cluster-cim* | 0.16.0 | 0.16.1 | *http://sources.redhat.com/cluster/conga* |
| *cluster-glue* | new | 1.0 | *http://www.clusterlabs.org* |
| *cluster-snmp* | 0.16.0 | 0.16.1 | *http://sources.redhat.com/cluster/conga* |
| *cman* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *conntrack-tools* | 0.9.9 | 0.9.12 | *http://netfilter.org* |
| *coreutils* | 7.2 | 7.6 | *http://www.gnu.org/software/coreutils/* |
| *corosync* | 0.95 | 1.1.2 | *http://www.openais.org* |
| *crda* | 1.0.1_2009.03.09 | 1.1.0_2009.09.08 | *http://www.linuxwireless.org/en/developers/Regulatory/CRDA* |
| *createrepo* | 0.9.7 | 0.9.8 | *http://createrepo.baseurl.org/* |
| *cronie* | 1.2 | 1.4.3 | *https://fedorahosted.org/cronie* |
| *cronie-anacron* | new | 1.4.3 | *https://fedorahosted.org/cronie* |
| *debugmode* | 8.95 | 9.02 | *http://fedorahosted.org/releases/i/n/initscripts/* |
| *deltaiso* | new | 3.5 | *http://gitorious.org/deltarpm/deltarpm* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *deltarpm* | 3.4 | 3.5 | *http://gitorious.org/deltarpm/deltarpm* |
| *device-mapper* | 1.02.31 | 1.02.38 | *http://sources.redhat.com/dm* |
| *device-mapper-multipath* | 0.4.8 | 0.4.9 | *http://christophe.varoqui.free.fr/* |
| *dhclient* | 4.1.0 | 4.1.0p1 | *http://isc.org/products/DHCP/* |
| *dhcpv6-client* | 1.2.0 | dropped | *http://fedorahosted.org/dhcpv6/* |
| *dkms* | 2.0.19.1 | 2.1.0.1 | *http://linux.dell.com/dkms* |
| *dmraid* | 1.0.0.rc15 | 1.0.0.rc16 | *http://people.redhat.com/heinzm/sw/dmraid* |
| *dracut* | new | 002 | *http://apps.sourceforge.net/trac/dracut/wiki* |
| *dracut-generic* | new | 002 | *http://apps.sourceforge.net/trac/dracut/wiki* |
| *dracut-kernel* | new | 002 | *http://apps.sourceforge.net/trac/dracut/wiki* |
| *dracut-modules-olpc* | new | 0.2.1 | *http://dev.laptop.org/git/users/dsd/dracut-modules-olpc* |
| *dracut-network* | new | 002 | *http://apps.sourceforge.net/trac/dracut/wiki* |
| *dracut-tools* | new | 002 | *http://apps.sourceforge.net/trac/dracut/wiki* |
| *drpmsync* | 3.4 | 3.5 | *http://gitorious.org/deltarpm/deltarpm* |
| *e2fsprogs* | 1.41.4 | 1.41.9 | *http://e2fsprogs.sourceforge.net/* |
| *ebtables* | 2.0.8 | 2.0.9 | *http://ebtables.sourceforge.net/* |
| *eclipse-setools* | 3.3.2.4 | 3.3.5.1 | *http://oss.tresys.com/projects/setools* |
| *ecryptfs-utils* | 73 | 81 | *https://launchpad.net/ecryptfs* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ecryptfs-utils-devel* | 73 | 81 | *https://launchpad.net/ecryptfs* |
| *ecryptfs-utils-python* | 73 | 81 | *https://launchpad.net/ecryptfs* |
| *environment-modules* | 3.2.6 | 3.2.7b | *http://modules.sourceforge.net/* |
| *facter* | 1.5.4 | 1.5.7 | *http://reductivelabs.com/projects/facter* |
| *fedora-logos* | 11.0.6 | 12.0.3 | *http://git.fedorahosted.org/git/fedora-logos.git/* |
| *fedora-package-config-apt* | 11 | 11.89 | *http://fedoraproject.org/* |
| *fedora-package-config-smart* | 11 | 11.89 | *http://fedoraproject.org/* |
| *fedora-release* | 11 | 12 | *http://fedoraproject.org* |
| *fedora-release-notes* | 11.0.0 | 12.0.0 | *http://fedoraproject.org/wiki/Documentation_Beats* |
| *fence-agents* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *filesystem* | 2.4.21 | 2.4.30 | *https://fedorahosted.org/filesystem* |
| *firstboot* | 1.106 | 1.110 | *http://fedoraproject.org/wiki/FirstBoot* |
| *foomatic-db-filesystem* | new | 4.0 | *http://www.openprinting.org* |
| *fuse* | 2.7.4 | 2.8.1 | *http://fuse.sf.net* |
| *generic-logos* | 11.0.1 | 12.2 | n/a |
| *generic-release* | 11 | 11.90 | n/a |
| *generic-release-notes* | 11 | 11.90 | n/a |
| *glibc-common* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *grubby* | 6.0.86 | 7.0.8 | *http://git.fedorahosted.org/git/grubby.git* |
| *gutenprint* | 5.2.3 | 5.2.4 | *http://gimp-print.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gutenprint-plugin* | 5.2.3 | 5.2.4 | *http://gimp-print.sourceforge.net/* |
| *hmaccalc* | 0.9.6 | 0.9.11 | *https://fedorahosted.org/hmaccalc/* |
| *initscripts* | 8.95 | 9.02 | *http://fedorahosted.org/releases/i/n/initscripts/* |
| *ipa-admintools* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *ipa-client* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *ipa-radius-admintools* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *ipa-radius-server* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *ipa-server* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *ipa-server-selinux* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *ipsec-tools* | 0.7.1 | 0.7.3 | *http://ipsec-tools.sourceforge.net/* |
| *iptables* | 1.4.3.1 | 1.4.5 | *http://www.netfilter.org/* |
| *iptables-devel* | 1.4.3.1 | 1.4.5 | *http://www.netfilter.org/* |
| *iptables-ipv6* | 1.4.3.1 | 1.4.5 | *http://www.netfilter.org/* |
| *iscan-firmware* | 2.1.0 | 2.1.1 | *http://www.avasys.jp/english/linux_e/index.html* |
| *iso-codes* | 3.7 | 3.11 | *http://alioth.debian.org/projects/pkg-isocodes/* |
| *iw* | 0.9.11 | 0.9.17 | *http://www.linuxwireless.org/en/users/Documentation/iw* |
| *kde-settings* | 4.2 | 4.3 | *http://fedorahosted.org/kde-settings* |
| *kde-settings-kdm* | 4.2 | 4.3 | *http://fedorahosted.org/kde-settings* |
| *kde-settings-pulseaudio* | 4.2 | 4.3 | *http://fedorahosted.org/kde-settings* |
| *kerneloops* | 0.12 | dropped | *http://www.kerneloops.org* |
| *kpartx* | 0.4.8 | 0.4.9 | *http://christophe.varoqui.free.fr/* |
| *krb5-workstation* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *krb5-workstation-clients* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *krb5-workstation-servers* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *ladvd-selinux* | 0.6.1 | 0.8 | *http://www.blinkenlights.nl/software/ladvd/* |
| *libuser* | 0.56.9 | 0.56.12 | *https://fedorahosted.org/libuser/* |
| *livecd-tools* | 024 | 031 | *http://git.fedorahosted.org/git/livecd* |
| *ltspfs* | 0.5.8 | 0.5.13 | *https://code.launchpad.net/ltspfs* |
| *ltspfsd* | 0.5.8 | 0.5.13 | *https://code.launchpad.net/ltspfs* |
| *lvm2* | 2.02.45 | 2.02.53 | *http://sources.redhat.com/lvm2* |
| *lvm2-cluster* | 2.02.45 | 2.02.53 | *http://sources.redhat.com/lvm2* |
| *mailcap* | 2.1.29 | 2.1.30 | *http://git.fedoraproject.org/git/mailcap.git* |
| *mdadm* | 3.0 | 3.0.2 | *http://www.kernel.org/pub/linux/utils/raid/mdadm/* |
| *media-player-info* | new | 3 | *http://cgit.freedesktop.org/~teuf/media-player-id/* |
| *memcached-selinux* | 1.2.6 | 1.4.1 | *http://www.danga.com/memcached/* |
| *memtest86+* | 2.11 | 4.00 | *http://www.memtest.org* |
| *memtester* | 4.0.8 | 4.1.2 | *http://pyropus.ca/software/memtester/* |
| *microcode_ctl* | new | 1.17 | *http://www.urbanmyth.org/microcode/* |
| *mkinitrd* | 6.0.86 | 6.0.93 | *git://git.fedoraproject.org/git/hosted/mkinitrd* |
| *mobile-broadband-provider-info* | new | 1.20090918 | *http://live.gnome.org/NetworkManager/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *MobileBroadband/ServiceProviders* |
| *modcluster* | 0.16.0 | 0.16.1 | *http://sources.redhat.com/cluster/conga* |
| *monitor-edid* | 2.0 | 2.4 | *http://wiki.mandriva.com/en/Tools/monitor-edid* |
| *mrepo* | new | 0.8.6 | *http://dag.wieers.com/home-made/mrepo/* |
| *nash* | 6.0.86 | 6.0.93 | *git://git.fedoraproject.org/git/hosted/mkinitrd* |
| *nilfs-utils* | new | 2.0.14 | *http://www.nilfs.org* |
| *nss-ldapd* | new | 0.6.11 | *http://arthurdejong.org/nss-ldapd/* |
| *nss-softokn-freebl* | 3.12.3 | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *nss-tools* | 3.12.3 | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *ntsysv* | 1.3.42 | 1.3.44 | n/a |
| *numactl* | 2.0.2 | 2.0.3 | *ftp://oss.sgi.com/www/projects/libnuma/download* |
| *obexfs* | 0.11 | 0.12 | *http://openobex.triq.net/* |
| *ocfs2-tools* | 1.3.9 | 1.4.3 | *http://oss.oracle.com/projects/ocfs2-tools/* |
| *ocfs2-tools-cman* | new | 1.4.3 | *http://oss.oracle.com/projects/ocfs2-tools/* |
| *ocfs2-tools-pcmk* | new | 1.4.3 | *http://oss.oracle.com/projects/ocfs2-tools/* |
| *olpc-contents* | new | 2.6 | *http://dev.laptop.org/git/users/cscott/olpc-contents* |
| *olpc-kbdshim* | new | 7 | *http://dev.laptop.org/git/users/pgf/olpc-kbdshim/tree/README* |
| *olpc-powerd* | new | 10 | *http://dev.laptop.org/git/users/pgf/powerd/tree/powerd* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *olpc-switch-desktop* | new | 0.6 | *http://dev.laptop.org/git/users/dsd/olpc-switch-desktop* |
| *olpc-update* | new | 2.20 | *http://dev.laptop.org/git/projects/olpc-update* |
| *olpc-utils* | 0.89 | 1.0.3 | *http://dev.laptop.org/git?p=projects/olpc-utils;a=summary* |
| *openais* | 0.94 | 1.1.0 | *http://developer.osdl.org/dev/openais/* |
| *opencryptoki* | new | 2.3.0 | *http://sourceforge.net/projects/opencryptoki* |
| *osr-dracut-module* | new | 0.8 | *http://www.open-sharedroot.org/development/osr-dracut-module/* |
| *osr-dracut-module-chroot* | new | 0.8 | *http://www.open-sharedroot.org/development/osr-dracut-module/* |
| *osr-dracut-module-cluster* | new | 0.8 | *http://www.open-sharedroot.org/development/osr-dracut-module/* |
| *pam* | 1.0.91 | 1.1.0 | *http://www.us.kernel.org/pub/linux/libs/pam/index.html* |
| *pam_ccreds* | 7 | 10 | *http://www.padl.com/OSS/pam_ccreds.html* |
| *pam_krb5* | 2.3.4 | 2.3.7 | *https://fedorahosted.org/pam_krb5/* |
| *pam_mount* | 1.22 | 1.32 | *http://pam-mount.sourceforge.net/* |
| *pam_ssh* | 1.92 | 1.97 | *http://sourceforge.net/projects/pam-ssh/* |
| *pam_yubico* | new | 2.1 | *http://yubico-pam.googlecode.com/* |
| *passwd* | 0.76 | 0.77 | *http://fedorahosted.org/passwd* |
| *pdsh-mod-nodeupdown* | new | 2.18 | *http://sourceforge.net/projects/pdsh/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *plymouth* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-plugin-fade-throbber* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-plugin-label* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-plugin-script* | new | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-plugin-space-flares* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-plugin-throbgress* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-plugin-two-step* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-system-theme* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-theme-charge* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-theme-fade-in* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-theme-script* | new | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-theme-solar* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *plymouth-theme-spinfinity* | 0.7.0 | 0.8.0 | *http://freedesktop.org/software/plymouth/releases* |
| *pmount* | 0.9.17 | 0.9.20 | *http://pmount.alioth.debian.org/* |
| *policycoreutils* | 2.0.62 | 2.0.74 | *http://www.selinuxproject.org* |
| *policycoreutils-gui* | 2.0.62 | 2.0.74 | *http://www.selinuxproject.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *policycoreutils-newrole* | 2.0.62 | 2.0.74 | *http://www.selinuxproject.org* |
| *policycoreutils-python* | 2.0.62 | 2.0.74 | *http://www.selinuxproject.org* |
| *policycoreutils-sandbox* | new | 2.0.74 | *http://www.selinuxproject.org* |
| *prelink* | 0.4.0 | 0.4.2 | n/a |
| *preupgrade* | 1.0.1 | 1.1.0 | *https://fedorahosted.org/preupgrade/* |
| *python-deltarpm* | new | 3.5 | *http://gitorious.org/deltarpm/deltarpm* |
| *python-imgcreate* | 024 | 031 | *http://git.fedorahosted.org/git/livecd* |
| *readahead* | 1.4.9 | 1.5.4 | *https://fedorahosted.org/readahead/* |
| *resource-agents* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *rgmanager* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *ricci* | 0.16.0 | 0.16.1 | *http://sources.redhat.com/cluster/conga/* |
| *rpm* | 4.7.0 | 4.7.1 | *http://www.rpm.org/* |
| *rpm-cron* | new | 4.7.1 | *http://www.rpm.org/* |
| *rtkit* | new | 0.4 | *http://git.0pointer.de/?p=rtkit.git* |
| *selinux-policy* | 3.6.12 | 3.6.32 | *http://oss.tresys.com/repos/refpolicy/* |
| *selinux-policy-doc* | 3.6.12 | 3.6.32 | *http://oss.tresys.com/repos/refpolicy/* |
| *selinux-policy-minimum* | 3.6.12 | 3.6.32 | *http://oss.tresys.com/repos/refpolicy/* |
| *selinux-policy-mls* | 3.6.12 | 3.6.32 | *http://oss.tresys.com/repos/refpolicy/* |
| *selinux-policy-targeted* | 3.6.12 | 3.6.32 | *http://oss.tresys.com/repos/refpolicy/* |
| *setools* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *setools-console* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *setools-gui* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *setroubleshoot-doc* | 2.1.8 | 2.2.42 | *https://fedorahosted.org/setroubleshoot* |
| *setup* | 2.8.3 | 2.8.9 | *https://fedorahosted.org/setup/* |
| *sgpio* | new | 1.2.0.10 | *http://sources.redhat.com/lvm2/wiki/DMRAID_Eventing* |
| *shadow-utils* | 4.1.2 | 4.1.4.2 | *http://pkg-shadow.alioth.debian.org/* |
| *shared-mime-info* | 0.60 | 0.70 | *http://freedesktop.org/Software/shared-mime-info* |
| *sugar-update-control* | 0.20 | dropped | *http://git.sugarlabs.org/projects/sugar-update-control* |
| *system-autodeath* | 0.2 | 0.3 | *http://skvidal.fedorapeople.org/system-autodeath/* |
| *system-config-date* | 1.9.38 | 1.9.53 | *http://fedorahosted.org/system-config-date* |
| *system-config-display* | 1.1.3 | 2.2 | *http://fedoraproject.org/wiki/SystemConfig/Tools* |
| *system-config-firewall* | 1.2.16 | 1.2.21 | *http://fedorahosted.org/system-config-firewall* |
| *system-config-firewall-tui* | 1.2.16 | 1.2.21 | *http://fedorahosted.org/system-config-firewall* |
| *system-config-kdump* | 1.0.14 | 2.0.1 | *http://fedorahosted.org/system-config-kdump/* |
| *system-config-keyboard* | 1.2.15 | 1.3.1 | *https://fedorahosted.org/system-config-keyboard/* |
| *system-config-kickstart* | 2.7.22 | 2.8.2 | *http://fedoraproject.org/wiki/SystemConfig/Tools* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *system-config-language* | 1.3.2 | 1.3.3 | *http://fedoraproject.org/wiki/SystemConfig/language* |
| *system-config-nfs* | 1.3.44 | 1.3.49 | *http://fedorahosted.org/system-config-nfs* |
| *system-config-printer* | 1.1.7 | 1.1.13 | *http://cyberelk.net/tim/software/system-config-printer/* |
| *system-config-printer-kde* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *system-config-printer-libs* | 1.1.7 | 1.1.13 | *http://cyberelk.net/tim/software/system-config-printer/* |
| *system-config-printer-udev* | new | 1.1.13 | *http://cyberelk.net/tim/software/system-config-printer/* |
| *system-config-rootpassword* | 1.99.4 | 1.99.6 | *http://fedora.redhat.com/* |
| *system-config-samba* | 1.2.75 | 1.2.83 | *http://fedorahosted.org/system-config-samba* |
| *sysvinit-tools* | 2.86 | 2.87 | *https://alioth.debian.org/projects/pkg-sysvinit/* |
| *tabled* | new | 0.3 | *http://hail.wiki.kernel.org/* |
| *telepathy-filesystem* | 0.0.1 | 0.0.2 | n/a |
| *tmpwatch* | 2.9.14 | 2.9.15 | *https://fedorahosted.org/tmpwatch/* |
| *tor-upstart* | 0.2.0.34 | 0.2.1.19 | *http://tor.eff.org* |
| *tzdata* | 2009f | 2009o | *ftp://elsie.nci.nih.gov/pub/* |
| *tzdata-java* | 2009f | 2009o | *ftp://elsie.nci.nih.gov/pub/* |
| *udev* | 141 | 145 | *http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html* |
| *udev-extras* | 20090226 | dropped | *http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html* |
| *unetbootin* | new | 0 | *http://unetbootin.sourceforge.net/* |
| *unoconv* | new | 0.3 | *http://dag.wieers.com/home-made/unoconv/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *upstart* | 0.3.9 | 0.3.11 | *http://upstart.ubuntu.com* |
| *util-linux-ng* | 2.14.2 | 2.16 | *ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng* |
| *util-vserver* | 0.30.215 | 0.30.215+svn2847 | *http://savannah.nongnu.org/projects/util-vserver/* |
| *util-vserver-sysv* | 0.30.215 | 0.30.215+svn2847 | *http://savannah.nongnu.org/projects/util-vserver/* |
| *vbetool* | 1.1 | 1.2.2 | *http://www.codon.org.uk/~mjg59/vbetool/* |
| *wacomexpresskeys* | new | 0.4.2 | *http://expresskeys.ruivo.org/* |
| *x86info* | 1.24 | 1.25 | *http://www.codemonkey.org.uk/projects/x86info* |
| *xfsdump* | 3.0.0 | 3.0.1 | *http://oss.sgi.com/projects/xfs/* |
| *xfsprogs* | 3.0.0 | 3.0.3 | *http://oss.sgi.com/projects/xfs/* |
| *xsupplicant* | 1.2.8 | 2.1.8 | *http://www.open1x.org/* |
| *xsupplicant-ui* | new | 2.1.8 | *http://www.open1x.org/* |

Table 51. All System_Environment-Base changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *yum* | 3.2.22 | 3.2.25 | *http://yum.baseurl.org/* |
| *yum-NetworkManager-dispatcher* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-cron* | 0.8.3 | 0.9.1 | *http://linux.duke.edu/yum/* |
| *yum-plugin-aliases* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-auto-update-debug-info* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-basearchonly* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-changelog* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-downloadonly* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-fastestmirror* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *yum-plugin-filter-data* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-keys* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-list-data* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-merge-conf* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-post-transaction-actions* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-priorities* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-protect-packages* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-protectbase* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-refresh-updatesd* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-remove-with-leaves* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-rpm-warm-cache* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-security* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-show-leaves* | new | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-tmprepo* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-tsflags* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-upgrade-helper* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-verify* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-plugin-versionlock* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |
| *yum-updateonboot* | 1.1.21 | 1.1.23 | *http://yum.baseurl.org/download/yum-utils/* |

Table 52. All System_Environment-Base changes (cont'd)

| | |
|---|---|
| Packages changed | 258 |
| Packages unchanged | 173 |
| Total packages | 431 |

### 8.7.2. System Environment-Daemons

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *389-admin* | new | 1.1.9 | *http://port389.org/* |
| *389-ds* | new | 1.1.3 | *http://port389.org/* |
| *389-ds-base* | new | 1.2.3 | *http://port389.org/* |
| *389-dsgw* | new | 1.1.4 | *http://port389.org/* |
| *3proxy* | new | 0.6 | *http://3proxy.ru/?l=EN* |
| *acpid* | 1.0.8 | 1.0.10 | *http://acpid.sourceforge.net/* |
| *apcupsd* | 3.14.5 | 3.14.7 | *http://www.apcupsd.com* |
| *audispd-plugins* | 1.7.12 | 2.0.1 | *http://people.redhat.com/sgrubb/audit/* |
| *audit* | 1.7.12 | 2.0.1 | *http://people.redhat.com/sgrubb/audit/* |
| *bacula-client* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-common* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-console* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-console-bat* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-console-gnome* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-console-wxwidgets* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-director-common* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-director-mysql* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-director-postgresql* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-director-sqlite* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-storage-common* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-storage-mysql* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-storage-postgresql* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-storage-sqlite* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-sysconfdir* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *bacula-traymonitor* | 2.4.4 | 3.0.2 | *http://www.bacula.org* |
| *beanstalkd* | 1.3 | 1.4.2 | *http://xph.us/software/beanstalkd/* |
| *bitlbee* | 1.2.3 | 1.2.4 | *http://www.bitlbee.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *bluez-alsa* | 4.37 | 4.57 | *http://www.bluez.org/* |
| *bluez-compat* | new | 4.57 | *http://www.bluez.org/* |
| *bluez-cups* | 4.37 | 4.57 | *http://www.bluez.org/* |
| *bluez-gstreamer* | 4.37 | 4.57 | *http://www.bluez.org/* |
| *brltty* | 3.10 | 4.1 | *http://mielke.cc/brltty/* |
| *brltty-at-spi* | 3.10 | 4.1 | *http://mielke.cc/brltty/* |
| *brltty-xw* | 3.10 | 4.1 | *http://mielke.cc/brltty/* |
| *clamav-milter* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-milter-sysvinit* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-milter-upstart* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-scanner* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-scanner-sysvinit* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-scanner-upstart* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-server* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clamav-server-sysvinit* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clement* | new | 2.1.320 | *http://www.clement.safe.ca* |
| *collectd* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-apache* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-dns* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-email* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-ipmi* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-mysql* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-nginx* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-nut* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-postgresql* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-rrdtool* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-sensors* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-snmp* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *collectd-virt* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *ctdb* | 1.0.73 | 1.0.91 | *http://ctdb.samba.org/* |
| *cups* | 1.4 | 1.4.1 | *http://www.cups.org/* |
| *cups-bjnp* | new | 0.5.4 | *https://sourceforge.net/projects/cups-bjnp/* |
| *cups-lpd* | 1.4 | 1.4.1 | *http://www.cups.org/* |
| *cyrus-imapd* | 2.3.14 | 2.3.15 | *http://cyrusimap.web.cmu.edu/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *dansguardian* | new | 2.10.1.1 | *http://www.dansguardian.org/* |
| *dap-freeform_handler* | 3.7.9 | 3.7.12 | *http://opendap.org/download/ff_server.html* |
| *dap-hdf4_handler* | 3.7.9 | 3.7.14 | *http://www.opendap.org/* |
| *dap-netcdf_handler* | 3.7.9 | 3.8.3 | *http://www.opendap.org/* |
| *dap-server* | 3.8.5 | 3.9.3 | *http://www.opendap.org/* |
| *dap-server-cgi* | 3.8.5 | 3.9.3 | *http://www.opendap.org/* |
| *dcbd* | 0.9.7 | 0.9.15 | *http://e1000.sourceforge.net* |
| *dhcp* | 4.1.0 | 4.1.0p1 | *http://isc.org/products/DHCP/* |
| *dhcpv6* | 1.2.0 | dropped | *http://fedorahosted.org/dhcpv6/* |
| *dkim-milter* | 2.8.1 | 2.8.3 | *http://www.dkim.org/* |
| *dnsmasq* | 2.46 | 2.48 | *http://www.thekelleys.org.uk/dnsmasq/* |
| *dnssec-conf* | 1.20 | 1.21 | *http://www.xelerance.com/software/dnssec-conf/* |
| *dovecot* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-gssapi* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-ldap* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-managesieve* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-mysql* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-pgsql* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-sieve* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *dovecot-sqlite* | 1.2 | 1.2.6 | *http://www.dovecot.org/* |
| *fail2ban* | 0.8.3 | 0.8.4 | *http://fail2ban.sourceforge.net/* |
| *freeradius* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-krb5* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-ldap* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *freeradius-libs* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-mysql* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-perl* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-postgresql* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-python* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-unixODBC* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *freeradius-utils* | 2.1.3 | 2.1.7 | *http://www.freeradius.org/* |
| *fwknop* | 1.9.9 | 1.9.12 | *http://www.cipherdyne.org/fwknop/* |
| *gearmand* | new | 0.9 | *http://www.gearman.org* |
| *glusterfs-server* | 2.0.0 | 2.0.6 | *http://www.gluster.org/* |
| *gnokii-smsd* | 0.6.27 | 0.6.28 | *http://www.gnokii.org/* |
| *gnokii-smsd-mysql* | 0.6.27 | 0.6.28 | *http://www.gnokii.org/* |
| *gnokii-smsd-pgsql* | 0.6.27 | 0.6.28 | *http://www.gnokii.org/* |
| *gnome-settings-daemon* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gnome-settings-daemon* |
| *gvrpcd* | new | 1.3 | *http://sokrates.mimuw.edu.pl/~sebek/gvrpcd/* |
| *haproxy* | 1.3.17 | 1.3.22 | *http://haproxy.1wt.eu/* |
| *heartbeat* | 2.1.4 | 3.0.0 | *http://linux-ha.org/* |
| *heartbeat-devel* | 2.1.4 | 3.0.0 | *http://linux-ha.org/* |
| *heartbeat-libs* | new | 3.0.0 | *http://linux-ha.org/* |
| *hplip* | 3.9.2 | 3.9.8 | *http://hplip.sourceforge.net/* |
| *httpd* | 2.2.11 | 2.2.13 | *http://httpd.apache.org/* |
| *httpd-tools* | 2.2.11 | 2.2.13 | *http://httpd.apache.org/* |
| *inadyn* | 1.96.2 | dropped | *http://inadyn.ina-tech.net* |
| *inews* | 2.4.6 | 2.5.0 | *https://www.isc.org/software/INN/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *infinoted* | new | 0.3.0 | *http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity* |
| *inn* | 2.4.6 | 2.5.0 | *https://www.isc.org/software/INN/* |
| *jabberd* | 2.2.7.1 | 2.2.8 | *http://jabberd2.xiaoka.com/* |
| *jack-audio-connection-kit* | 0.116.1 | 0.116.2 | *http://www.jackaudio.org* |
| *kannel* | 1.4.1 | 1.4.3 | *http://www.kannel.org/* |
| *krb5-server* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *krb5-server-ldap* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *ksysguardd* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *ldirectord* | new | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *libsane-hpaio* | 3.9.2 | 3.9.8 | *http://hplip.sourceforge.net/* |
| *libtalloc* | 1.2.0 | 2.0.0 | *http://talloc.samba.org/* |
| *libtdb* | 1.1.3 | 1.1.5 | *http://tdb.samba.org/* |
| *lighttpd* | 1.4.22 | 1.4.23 | *http://www.lighttpd.net/* |
| *lighttpd-fastcgi* | 1.4.22 | 1.4.23 | *http://www.lighttpd.net/* |
| *lighttpd-mod_geoip* | 1.4.22 | 1.4.23 | *http://www.lighttpd.net/* |
| *lighttpd-mod_mysql_vhost* | 1.4.22 | 1.4.23 | *http://www.lighttpd.net/* |
| *lirc* | 0.8.5 | 0.8.6 | *http://www.lirc.org/* |
| *lirc-remotes* | 0.8.5 | 0.8.6 | *http://www.lirc.org/* |
| *lm_sensors-sensord* | 3.1.0 | 3.1.1 | *http://www.lm-sensors.org/* |
| *memcached* | 1.2.6 | 1.4.1 | *http://www.danga.com/memcached/* |
| *milter-greylist* | 4.2.2 | 4.2.3 | *http://hcpnet.free.fr/milter-greylist/* |
| *milter-greylist-sysvinit* | 4.2.2 | 4.2.3 | *http://hcpnet.free.fr/milter-greylist/* |
| *milter-greylist-upstart* | 4.2.2 | 4.2.3 | *http://hcpnet.free.fr/milter-greylist/* |
| *mipv6-daemon* | new | 0.4 | *http://www.linux-ipv6.org/memo/mipv6/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mod_dav_svn* | 1.6.1 | 1.6.5 | *http://subversion.tigris.org/* |
| *mod_fcgid* | 2.2 | 2.3.4 | *http://httpd.apache.org/mod_fcgid/* |
| *mod_log_post* | new | 0.1.0 | *http://ftp.robert-scheck.de/linux/mod_log_post/* |
| *mod_mono* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *mod_perlite* | 0.09 | 0.10 | *http://modperlite.org* |
| *mod_selinux* | new | 2.2.2015 | *http://code.google.com/p/sepgsql/* |
| *mod_ssl* | 2.2.11 | 2.2.13 | *http://httpd.apache.org/* |
| *murmur* | new | 1.1.8 | *http://mumble.sourceforge.net/* |
| *mydns* | 1.2.8.25 | 1.2.8.27 | *http://mydns-ng.com/* |
| *mydns-mysql* | 1.2.8.25 | 1.2.8.27 | *http://mydns-ng.com/* |
| *mydns-pgsql* | 1.2.8.25 | 1.2.8.27 | *http://mydns-ng.com/* |
| *netatalk* | 2.0.3 | 2.0.4 | *http://netatalk.sourceforge.net/* |
| *nfs-utils* | 1.1.5 | 1.2.0 | *http://sourceforge.net/projects/nfs* |
| *nginx* | 0.6.36 | 0.7.62 | *http://nginx.net/* |
| *nscd* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *nsd* | 3.2.2 | 3.2.3 | *http://www.nlnetlabs.nl/nsd/* |
| *ntp* | 4.2.4p6 | 4.2.4p7 | *http://www.ntp.org* |
| *obexd* | 0.10 | 0.18 | *http://www.bluez.org/* |
| *openldap* | 2.4.15 | 2.4.18 | *http://www.openldap.org/* |
| *openldap-servers* | 2.4.15 | 2.4.18 | *http://www.openldap.org/* |
| *openldap-servers-sql* | 2.4.15 | 2.4.18 | *http://www.openldap.org/* |
| *opensm* | 3.2.1 | 3.3.2 | *http://www.openfabrics.org/* |
| *openswan* | 2.6.21 | 2.6.23 | *http://www.openswan.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *openswan-doc* | 2.6.21 | 2.6.23 | *http://www.openswan.org/* |
| *openwsman* | 2.1.0 | 2.2.0 | *http://www.openwsman.org/* |
| *pacemaker* | new | 1.0.5 | *http://www.clusterlabs.org* |
| *pacemaker-libs* | new | 1.0.5 | *http://www.clusterlabs.org* |
| *pathfinderd* | new | 1.1.0 | *http://code.google.com/p/pathfinder-pki/* |
| *pcsc-lite-openct* | 0.6.15 | 0.6.17 | *http://www.opensc-project.org/openct/* |
| *pdns-recursor* | 3.1.7 | 3.1.7.1 | *http://powerdns.com* |
| *perl-Collectd* | 4.5.3 | 4.6.5 | *http://collectd.org/* |
| *postfix* | 2.5.6 | 2.6.5 | *http://www.postfix.org* |
| *privoxy* | 3.0.10 | 3.0.13 | *http://www.privoxy.org/* |
| *proftpd* | 1.3.2 | 1.3.2b | *http://www.proftpd.org/* |
| *proftpd-ldap* | 1.3.2 | 1.3.2b | *http://www.proftpd.org/* |
| *proftpd-mysql* | 1.3.2 | 1.3.2b | *http://www.proftpd.org/* |
| *proftpd-postgresql* | 1.3.2 | 1.3.2b | *http://www.proftpd.org/* |
| *pulseaudio* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-esound-compat* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-module-bluetooth* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-module-gconf* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-module-jack* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-module-lirc* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-module-x11* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-module-zeroconf* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pure-ftpd* | 1.0.21 | 1.0.22 | *http://www.pureftpd.org* |
| *pure-ftpd-selinux* | 1.0.21 | 1.0.22 | *http://www.pureftpd.org* |
| *python-morbid* | new | 0.8.7.3 | *http://www.morbidq.com* |
| *qmf* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidd* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidd-cluster* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *quagga* | 0.99.11 | 0.99.12 | *http://www.quagga.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *quagga-contrib* | 0.99.11 | 0.99.12 | *http://www.quagga.net* |
| *quagga-devel* | 0.99.11 | 0.99.12 | *http://www.quagga.net* |
| *radvd* | 1.1 | 1.3 | *http://www.litech.org/radvd/* |
| *rpcbind* | 0.1.7 | 0.2.0 | *http://nfsv4.bullopensource.org* |
| *rsyslog* | 3.21.11 | 4.4.1 | *http://www.rsyslog.com/* |
| *rsyslog-gnutls* | 3.21.11 | 4.4.1 | *http://www.rsyslog.com/* |
| *rsyslog-gssapi* | 3.21.11 | 4.4.1 | *http://www.rsyslog.com/* |
| *rsyslog-mysql* | 3.21.11 | 4.4.1 | *http://www.rsyslog.com/* |
| *rsyslog-pgsql* | 3.21.11 | 4.4.1 | *http://www.rsyslog.com/* |
| *rsyslog-relp* | 3.21.11 | 4.4.1 | *http://www.rsyslog.com/* |
| *rubygem-mongrel_cluster* | new | 1.0.5 | *http://mongrel.rubyforge.org/wiki/MongrelCluster* |
| *samba* | 3.3.2 | 3.4.2 | *http://www.samba.org/* |
| *sec* | 2.4.1 | 2.5.2 | *http://simple-evcorr.sourceforge.net/* |

Table 53. All System_Environment-Daemons changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *shmpps* | new | 1.03 | *http://time.qnan.org/* |
| *slapi-nis* | 0.10 | 0.17 | *http://slapi-nis.fedorahosted.org/* |
| *spawn-fcgi* | 1.4.22 | 1.6.2 | *http://redmine.lighttpd.net/projects/spawn-fcgi/* |
| *squid* | 3.0.STABLE13 | 3.1.0.14 | *http://www.squid-cache.org* |
| *sysusage* | 2.9 | 2.10 | *http://sysusage.sourceforge.net* |
| *tinyproxy* | 1.6.4 | 1.6.5 | *http://tinyproxy.banu.com/* |
| *tog-pegasus* | 2.7.2 | 2.9.0 | *http://www.openpegasus.org* |
| *tor* | 0.2.0.34 | 0.2.1.19 | *http://tor.eff.org* |
| *tor-core* | 0.2.0.34 | 0.2.1.19 | *http://tor.eff.org* |
| *tor-lsb* | 0.2.0.34 | 0.2.1.19 | *http://tor.eff.org* |
| *trytond* | 1.0.3 | 1.2.2 | *http://www.tryton.org* |
| *tuned* | 0.1.5 | 0.2.5 | *https://fedorahosted.org/tuned/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ucarp* | 1.5 | 1.5.1 | *http://www.ucarp.org/* |
| *unbound* | 1.2.1 | 1.3.4 | *http://www.nlnetlabs.nl/unbound/* |
| *unbound-munin* | 1.2.1 | 1.3.4 | *http://www.nlnetlabs.nl/unbound/* |
| *uuidd* | 1.41.4 | 2.16 | *ftp://ftp.kernel.org/pub/linux/utils/util-linux-ng* |
| *varnish* | 2.0.3 | 2.0.4 | *http://www.varnish-cache.org/* |
| *vsftpd* | 2.1.0 | 2.2.0 | *http://vsftpd.beasts.org/* |
| *xsp* | 2.4 | 2.4.2 | *http://mono.ximian.com/monobuild/preview/sources-preview/* |
| *znc* | new | 0.076 | *http://znc.sf.net/* |
| *znc-extra* | new | 0.076 | *http://znc.sf.net/* |
| *zoneminder* | 1.24.1 | 1.24.2 | *http://www.zoneminder.com/* |

Table 54. All System_Environment-Daemons changes (cont'd)

| | |
|---|---|
| Packages changed | 220 |
| Packages unchanged | 244 |
| Total packages | 464 |

### 8.7.3. System Environment-Kernel

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *b43-openfwwf* | new | 5.2 | *http://www.ing.unibs.it/openfwwf/* |
| *gfs-utils* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *gfs2-utils* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *iwl3945-firmware* | 15.28.2.8 | 15.32.2.9 | *http://intellinuxwireless.org/* |
| *iwl4965-firmware* | 228.57.2.23 | 228.61.2.24 | *http://intellinuxwireless.org/* |
| *iwl5000-firmware* | 5.4.A.11 | 8.24.2.12 | *http://intellinuxwireless.org/* |
| *kernel* | 2.6.29.4 | 2.6.31.5 | *http://www.kernel.org/* |
| *kernel-PAE* | 2.6.29.4 | 2.6.31.5 | *http://www.kernel.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kernel-PAE-devel* | 2.6.29.4 | 2.6.31.5 | *http://www.kernel.org/* |
| *kernel-devel* | 2.6.29.4 | 2.6.31.5 | *http://www.kernel.org/* |
| *ksplice* | 0.9.7 | 0.9.9 | *http://ksplice.com* |
| *module-init-tools* | 3.7 | 3.9 | n/a |
| *ocfs2console* | 1.3.9 | 1.4.3 | *http://oss.oracle.com/projects/ocfs2-tools/* |
| *ql2400-firmware* | 4.04.05 | 4.04.09 | *ftp://ftp.qlogic.com/outgoing/linux/firmware/* |
| *ql2500-firmware* | 4.04.05 | 4.04.09 | *ftp://ftp.qlogic.com/outgoing/linux/firmware/* |

Table 55. All System_Environment-Kernel changes

| | |
|---|---|
| Packages changed | 15 |
| Packages unchanged | 18 |
| Total packages | 33 |

### 8.7.4. System Environment-Libraries

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *CGAL* | 3.3.1 | 3.5 | *http://www.cgal.org/* |
| *ClanLib* | 0.8.1 | 1.0.0 | *http://www.clanlib.org/* |
| *ConsoleKit* | 0.3.0 | 0.4.1 | *http://www.freedesktop.org/wiki/Software/ConsoleKit* |
| *DeviceKit* | 003 | dropped | *http://gitweb.freedesktop.org/?p=users/david/DeviceKit.git;a=summary* |
| *DeviceKit-disks* | 004 | 009 | *http://cgit.freedesktop.org/DeviceKit/DeviceKit-disks/* |
| *DeviceKit-power* | 008 | 012 | *http://cgit.freedesktop.org/DeviceKit/DeviceKit-power/* |
| *GraphicsMagick-c++* | 1.1.14 | 1.3.7 | *http://www.graphicsmagick.org/* |
| *GraphicsMagick-perl* | 1.1.14 | 1.3.7 | *http://www.graphicsmagick.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *GtkAda* | 2.10.2 | 2.14.0 | *https://libre.adacore.com/GtkAda/* |
| *ImageMagick-c++* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *ImageMagick-perl* | 6.5.1.2 | 6.5.4.7 | *http://www.imagemagick.org/* |
| *LuxRender-lib* | new | 0.5 | *http://www.luxrender.net* |
| *PackageKit* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-smart* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PackageKit-yum* | 0.4.6 | 0.5.4 | *http://www.packagekit.org* |
| *PolicyKit* | 0.9 | dropped | *http://gitweb.freedesktop.org/?p=PolicyKit.git;a=summary* |
| *PolicyKit-gnome* | 0.9.2 | dropped | *http://svn.gnome.org/viewvc/policykit-gnome/trunk* |
| *PolicyKit-kde* | 4.2.0 | dropped | *http://www.kde.org* |
| *SDL_image* | 1.2.6 | 1.2.7 | *http://www.libsdl.org/projects/SDL_image/* |
| *SevenZip* | new | 4.65 | *http://www.7-zip.org/sdk.html* |
| *abrt-addon-ccpp* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-addon-kerneloops* | new | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-addon-python* | new | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-libs* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-bugzilla* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-filetransfer* | new | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-kerneloopsreporter* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-logger* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *abrt-plugin-mailx* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-runapp* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-sosreport* | new | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-plugin-sqlite3* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *afflib* | 3.3.4 | 3.4.1 | *http://www.afflib.org* |
| *akonadi* | 1.1.2 | 1.2.1 | *http://download.akonadi-project.org/* |
| *alsa-lib* | 1.0.20 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-arcamav* | new | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-jack* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-oss* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-pulseaudio* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-samplerate* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-speex* | new | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-upmix* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-usbstream* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *alsa-plugins-vdownmix* | 1.0.18 | 1.0.21 | *http://www.alsa-project.org/* |
| *amarok-libs* | new | 2.2.0 | *http://amarok.kde.org/* |
| *anerley* | new | 0.1.7 | *http://www.moblin.org/* |
| *apr* | 1.3.3 | 1.3.9 | *http://apr.apache.org/* |
| *apr-util* | 1.3.4 | 1.3.9 | *http://apr.apache.org/* |
| *aqsis-libs* | 1.4.2 | 1.6.0 | *http://www.aqsis.org* |
| *at-spi* | 1.26.0 | 1.28.1 | *http://developer.gnome.org/projects/gap/* |
| *atk* | 1.25.2 | 1.28.0 | *http://developer.gnome.org/projects/gap/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *audacious-libs* | 1.5.1 | 2.1 | *http://audacious-media-player.org/* |
| *augeas* | 0.5.0 | 0.5.3 | *http://augeas.net/* |
| *augeas-libs* | 0.5.0 | 0.5.3 | *http://augeas.net/* |
| *autotrust* | 0.2.1 | 0.3.1 | *http://www.nlnetlabs.nl/autotrust/* |
| *avogadro-libs* | 0.9.3 | 1.0.0 | *http://avogadro.openmolecules.net/* |
| *babl* | 0.0.22 | 0.1.0 | *http://www.gegl.org/babl/* |
| *banshee-musicbrainz* | 1.4.3 | 1.5.1 | *http://banshee-project.org/* |
| *bes* | 3.6.2 | 3.7.2 | *http://www.opendap.org/download/BES.html* |
| *bigloo-libs* | 3.1b | 3.2b | *http://www-sop.inria.fr/mimosa/fp/Bigloo* |
| *bind-dyndb-ldap* | new | 0.1.0 | *http://mnagy.github.com/bind-dyndb-ldap* |
| *binutils-devel* | 2.19.51.0.2 | 2.19.51.0.14 | *http://sources.redhat.com/binutils* |
| *bisho* | new | 0.16 | *http://www.moblin.org/* |
| *bluez-libs* | 4.37 | 4.57 | *http://www.bluez.org/* |
| *boost* | 1.37.0 | 1.39.0 | *http://www.boost.org/* |
| *boost-date-time* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-filesystem* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-graph* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-iostreams* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-math* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-program-options* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-python* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-regex* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-serialization* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-signals* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-system* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-test* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-thread* | new | 1.39.0 | *http://www.boost.org/* |
| *boost-wave* | new | 1.39.0 | *http://www.boost.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *botan* | 1.8.1 | 1.8.7 | *http://botan.randombit.net/* |
| *bouncycastle-tsp* | new | 1.43 | *http://www.bouncycastle.org/* |
| *brasero-libs* | 2.26.1 | 2.28.2 | *http://www.gnome.org/projects/brasero/* |
| *c-ares* | 1.5.3 | 1.6.0 | *http://c-ares.haxx.se/* |
| *cairo* | 1.8.6 | 1.8.8 | *http://cairographics.org* |
| *celt* | 0.5.2 | 0.7.0 | *http://www.celt-codec.org/* |
| *chealpix* | 2.11c | 2.12a | *http://healpix.jpl.nasa.gov/* |
| *clamav-lib* | 0.95.1 | 0.95.2 | *http://www.clamav.net* |
| *clips-libs* | 6.24 | 6.30.0 | *http://clipsrules.sourceforge.net* |
| *clipsmm* | 0.0.7 | 0.1.0 | *http://clipsmm.sourceforge.net* |
| *cln* | 1.2.2 | 1.3.0 | *http://www.ginac.de/CLN/* |
| *clthreads* | new | 2.4.0 | *http://www.kokkinizita.net/linuxaudio/* |
| *clusterlib* | 3.0.0 | 3.0.4 | *http://sources.redhat.com/cluster/wiki/* |
| *clutter-cairomm* | 0.7.4 | dropped | *http://www.gtkmm.org/* |
| *clutter-gtkmm* | 0.7.4 | 0.9.4 | *http://www.gtkmm.org/* |
| *clutter-imcontext* | new | 0.1.4 | *http://www.moblin.org/* |
| *cluttermm* | 0.7.5 | 0.9.4 | *http://www.gtkmm.org/* |
| *compat-libgdamm* | new | 3.0.1 | *http://www.gtkmm.org/* |
| *compat-readline5* | new | 5.2 | *http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html* |
| *compat-wxGTK26* | 2.6.4 | dropped | *http://www.wxwidgets.org/* |
| *compizconfig-backend-gconf* | 0.7.8 | 0.8.2 | *http://www.opencompositing.org* |
| *compizconfig-backend-kconfig* | 0.7.8 | 0.8.2 | *http://www.opencompositing.org* |
| *conexus* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *conexus-dbus* | new | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-gtkmm* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-nspr* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-nss* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *conexus-ssl* | 0.6.0 | 0.9.0 | *http://conexus.sourceforge.net* |
| *coreutils-libs* | new | 7.6 | *http://www.gnu.org/software/coreutils/* |
| *corosynclib* | 0.95 | 1.1.2 | *http://www.openais.org* |
| *csound-java* | 5.03.0 | 5.10.1 | *http://csound.sourceforge.net/* |
| *cups-libs* | 1.4 | 1.4.1 | *http://www.cups.org/* |
| *cyphesis* | 0.5.19 | 0.5.21 | *http://www.worldforge.org* |
| *cyrus-imapd-perl* | 2.3.14 | 2.3.15 | *http://cyrusimap.web.cmu.edu/* |
| *cyrus-sasl* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-gssapi* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-ldap* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-lib* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-md5* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-ntlm* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-plain* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |
| *cyrus-sasl-sql* | 2.1.22 | 2.1.23 | *http://asg.web.cmu.edu/sasl/sasl-library.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *dbus* | 1.2.12 | 1.2.16 | *http://www.freedesktop.org/software/dbus/* |
| *dbus-cxx* | new | 0.4.3 | *http://dbus-cxx.sourceforge.net/* |
| *dbus-cxx-glibmm* | new | 0.4.3 | *http://dbus-cxx.sourceforge.net/* |
| *dbus-glib* | 0.80 | 0.82 | *http://www.freedesktop.org/software/dbus/* |
| *device-mapper-libs* | 1.02.31 | 1.02.38 | *http://sources.redhat.com/lvm2* |
| *device-mapper-multipath-libs* | new | 0.4.9 | *http://christophe.varoqui.free.fr/* |
| *digikam-libs* | 0.10.0 | 1.0.0 | *http://www.digikam.org/* |
| *directfb* | 1.2.7 | 1.4.2 | *http://www.directfb.org/* |
| *dirmngr* | 1.0.2 | 1.0.3 | *http://www.gnupg.org/* |
| *dmraid-libs* | 1.0.0.rc15 | dropped | *http://people.redhat.com/heinzm/sw/dmraid* |
| *dnsjava* | new | 2.0.6 | *http://www.dnsjava.org/* |
| *eb* | 4.3.2 | 4.4.1 | *http://www.sra.co.jp/people/m-kasahr/eb/* |
| *eclipse-birt* | 2.3.2 | 2.5 | *http://www.eclipse.org/birt/* |
| *eclipse-dltk-sdk* | new | 1.0.0 | *http://www.eclipse.org/dltk/* |
| *eclipse-dtp* | 1.6.2 | 1.7.0 | *http://www.eclipse.org/datatools/* |
| *eclipse-eclox* | new | 0.8.0 | *http://eclox.eu/* |
| *eclipse-emf* | 2.4.2 | 2.5.0 | *http://www.eclipse.org/modeling/emf/* |
| *eclipse-emf-examples* | 2.4.2 | 2.5.0 | *http://www.eclipse.org/modeling/emf/* |
| *eclipse-emf-sdk* | 2.4.2 | 2.5.0 | *http://www.eclipse.org/modeling/emf/* |
| *eclipse-emf-xsd* | 2.4.2 | 2.5.0 | *http://www.eclipse.org/modeling/emf/* |
| *eclipse-emf-xsd-sdk* | 2.4.2 | 2.5.0 | *http://www.eclipse.org/modeling/emf/* |
| *eclipse-gef* | 3.4.2 | 3.5.0 | *http://www.eclipse.org/gef/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *eclipse-gef-examples* | 3.4.2 | 3.5.0 | *http://www.eclipse.org/gef/* |
| *eclipse-gef-sdk* | 3.4.2 | 3.5.0 | *http://www.eclipse.org/gef/* |
| *emacs-common-uim* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *emacs-uim* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *enchant* | 1.4.2 | 1.5.0 | *http://www.abisource.com/* |
| *enchant-aspell* | 1.4.2 | 1.5.0 | *http://www.abisource.com/* |
| *enchant-voikko* | 1.4.2 | 1.5.0 | *http://www.abisource.com/* |
| *evince-libs* | new | 2.28.1 | *http://projects.gnome.org/evince/* |
| *evolution-data-server* | 2.26.1 | 2.28.0 | *http://projects.gnome.org/evolution/* |
| *evolution-sharp* | 0.20.0 | 0.21.1 | *http://ftp.gnome.org/pub/GNOME/sources/evolution-sharp/* |
| *ewl* | new | 0.5.2.042 | *http://www.enlightenment.org/* |
| *exiv2-libs* | 0.18.1 | 0.18.2 | *http://www.exiv2.org/* |
| *exo* | 0.3.101 | 0.3.104 | *http://xfce.org/* |
| *expatmm* | new | 1.0.2 | *http://devzone.intellitree.com/projects/expatmm/* |
| *farsight2* | 0.0.9 | 0.0.16 | *http://farsight.freedesktop.org/wiki/* |
| *fipscheck* | 1.1.1 | 1.2.0 | *http://fedorahosted.org/fipscheck/* |
| *fipscheck-devel* | 1.1.1 | 1.2.0 | *http://fedorahosted.org/fipscheck/* |
| *fipscheck-lib* | new | 1.2.0 | *http://fedorahosted.org/fipscheck/* |
| *firebird-libfbclient* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |
| *firebird-libfbembed* | new | 2.1.3.18185.0 | *http://www.firebirdsql.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *flickcurl* | new | 1.13 | *http://librdf.org/flickcurl/* |
| *fluidsynth-libs* | 1.0.8 | 1.0.9 | *http://www.fluidsynth.org/* |
| *flute* | 1.3 | 1.3.0 | *http://www.w3.org/Style/CSS/SAC/* |
| *fontconfig* | 2.6.99.behdad.20090508 | 2.7.3 | *http://fontconfig.org* |
| *foomatic* | 4.0.0 | 4.0.3 | *http://www.linuxprinting.org* |
| *foomatic-db* | new | 4.0 | *http://www.openprinting.org* |
| *foomatic-db-ppds* | new | 4.0 | *http://www.openprinting.org* |
| *freeglut* | 2.4.0 | 2.6.0 | *http://freeglut.sourceforge.net* |
| *ftgl* | 2.1.2 | 2.1.3 | *http://ftgl.wiki.sourceforge.net/* |
| *fuse-libs* | 2.7.4 | 2.8.1 | *http://fuse.sf.net* |
| *fusecompress* | 1.99.19 | 2.6 | *http://miio.net/fusecompress/* |
| *gammu-libs* | 1.23.92 | 1.25.0 | *http://cihar.com/gammu/* |
| *garmindev* | 0 | 0.3.0 | *http://www.qlandkarte.org* |
| *gcin* | 1.4.4 | 1.4.5 | *http://cle.linux.org.tw/gcin/* |
| *gconfmm26* | 2.24.0 | 2.28.0 | *http://gtkmm.sourceforge.net/* |
| *gdal* | 1.6.0 | 1.6.1 | *http://www.gdal.org/* |
| *gegl* | 0.0.22 | 0.1.0 | *http://www.gegl.org/* |
| *ghdl-grt* | 0.27 | 0.28 | *http://ghdl.free.fr/* |
| *gimp-libs* | 2.6.6 | 2.6.7 | *http://www.gimp.org/* |
| *gjs* | new | 0.4 | *http://live.gnome.org/Gjs/* |
| *gl2ps* | 1.3.2 | 1.3.3 | *http://www.geuz.org/gl2ps/* |
| *glib2* | 2.20.1 | 2.22.2 | *http://www.gtk.org* |
| *glibc* | 2.10.1 | 2.11 | *http://sources.redhat.com/glibc/* |
| *glibmm24* | 2.20.0 | 2.22.1 | *http://gtkmm.sourceforge.net/* |
| *globus-callout* | new | 0.7 | *http://www.globus.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *globus-ftp-client* | new | 3.14 | *http://www.globus.org/* |
| *globus-ftp-control* | new | 2.10 | *http://www.globus.org/* |
| *globus-gass-copy* | new | 4.14 | *http://www.globus.org/* |
| *globus-gass-transfer* | new | 3.4 | *http://www.globus.org/* |
| *globus-gsi-callback* | new | 1.10 | *http://www.globus.org/* |
| *globus-gsi-cert-utils* | new | 5.5 | *http://www.globus.org/* |
| *globus-gsi-credential* | new | 2.2 | *http://www.globus.org/* |
| *globus-gsi-openssl-error* | new | 0.14 | *http://www.globus.org/* |
| *globus-gsi-proxy-core* | new | 3.4 | *http://www.globus.org/* |
| *globus-gsi-proxy-ssl* | new | 1.5 | *http://www.globus.org/* |
| *globus-gsi-sysconfig* | new | 2.2 | *http://www.globus.org/* |
| *globus-gss-assist* | new | 4.0 | *http://www.globus.org/* |

Table 56. All System_Environment-Libraries changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *globus-gssapi-error* | new | 2.5 | *http://www.globus.org/* |
| *globus-gssapi-gsi* | new | 5.9 | *http://www.globus.org/* |
| *globus-io* | new | 6.3 | *http://www.globus.org/* |
| *globus-openssl* | new | 3.0 | *http://www.globus.org/* |
| *globus-openssl-module* | new | 0.6 | *http://www.globus.org/* |
| *globus-rls-client* | new | 5.1 | *http://www.globus.org/* |
| *globus-rsl* | new | 5.0 | *http://www.globus.org/* |
| *globus-rsl-assist* | new | 2.1 | *http://www.globus.org/* |
| *globus-usage* | new | 1.0 | *http://www.globus.org/* |
| *globus-xio* | new | 2.8 | *http://www.globus.org/* |
| *globus-xio-gsi-driver* | new | 0.6 | *http://www.globus.org/* |
| *globus-xio-popen-driver* | new | 0.2 | *http://www.globus.org/* |
| *glom-libs* | 1.10.0 | 1.12.2 | *http://www.glom.org/* |
| *gloox* | new | 1.0 | *http://camaya.net/gloox* |
| *glpk* | 4.36 | 4.39 | *http://www.gnu.org/software/glpk/glpk.html* |
| *glusterfs-common* | 2.0.0 | 2.0.6 | *http://www.gluster.org/* |
| *gmime* | 2.4.3 | 2.4.7 | *http://spruce.sourceforge.net/gmime/* |
| *gmp* | 4.2.4 | 4.3.1 | *http://gmplib.org/* |
| *gnome-bluetooth-libs* | 2.27.5 | 2.28.3 | *http://live.gnome.org/GnomeBluetooth* |
| *gnome-desktop* | 2.26.1 | 2.28.1 | *http://www.gnome.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-devel-docs* | 2.26.1 | 2.28.0 | *http://library.gnome.org* |
| *gnome-disk-utility* | 0.3 | 2.28.1 | *http://git.gnome.org/cgit/gnome-disk-utility* |
| *gnome-keyring* | 2.26.1 | 2.28.1 | *http://www.gnome.org* |
| *gnome-menus* | 2.26.1 | 2.28.0 | *http://www.gnome.org/* |
| *gnome-user-share* | 2.26.0 | 2.28.1 | *http://www.gnome.org* |
| *gnome-vfs2* | 2.24.1 | 2.24.2 | *http://www.gnome.org/* |
| *gnome-vfs2-smb* | 2.24.1 | 2.24.2 | *http://www.gnome.org/* |
| *gnome-vfsmm26* | 2.24.0 | 2.26.0 | *http://gtkmm.sourceforge.net/* |
| *gnonlin* | 0.10.10 | 0.10.13 | *http://gnonlin.sourceforge.net/* |
| *gnutls* | 2.6.6 | 2.8.5 | *http://www.gnutls.org/* |
| *goocanvas* | 0.13 | 0.14 | *http://live.gnome.org/GooCanvas* |
| *goocanvasmm* | 0.13.0 | 0.14.0 | *http://gtkmm.sourceforge.net/* |
| *gpp4* | 1.0.4 | 1.2.0 | *http://dmz-212.daimi.au.dk/~mok/gpp4* |
| *gsl* | 1.12 | 1.13 | *http://www.gnu.org/software/gsl/* |
| *gsm* | 1.0.12 | 1.0.13 | *http://kbs.cs.tu-berlin.de/~jutta/toast.html* |
| *gssdp* | 0.6.4 | 0.7.0 | *http://www.gupnp.org/* |
| *gstreamer-java* | 1.0 | 1.2 | *http://code.google.com/p/gstreamer-java/* |
| *gstreamermm* | 0.10.1 | 0.10.5 | *http://www.gtkmm.org/* |
| *gtk-murrine-engine* | 0.53.1 | 0.90.3 | *http://www.cimitan.com/murrine/* |
| *gtk-sharp2* | 2.12.7 | 2.12.9 | *http://gtk-sharp.sf.net* |
| *gtk2* | 2.16.1 | 2.18.3 | *http://www.gtk.org* |
| *gtk2-engines* | 2.18.1 | 2.18.4 | *http://download.gnome.org/sources/gtk-engines* |
| *gtk2-immodule-xim* | 2.16.1 | 2.18.3 | *http://www.gtk.org* |
| *gtk2-immodules* | 2.16.1 | 2.18.3 | *http://www.gtk.org* |
| *gtkhtml3* | 3.26.1.1 | 3.28.0 | *http://projects.gnome.org/evolution/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gtkmm-utils* | new | 0.4.1 | *http://code.google.com/p/gtkmm-utils/* |
| *gtkmm24* | 2.16.0 | 2.18.1 | *http://gtkmm.sourceforge.net/* |
| *gtksourcecompletion* | 0.5.2 | 0.7.0 | *http://gtksourcecomple.sourceforge.net/* |
| *gtksourceview2* | 2.6.1 | 2.8.1 | *http://gtksourceview.sourceforge.net/* |
| *guiloader* | 2.13.0 | 2.15.0 | *http://crow-designer.sourceforge.net/* |
| *guiloader-c++* | 2.13.0 | 2.15.0 | *http://crow-designer.sourceforge.net/* |
| *gupnp* | 0.12.7 | 0.13.1 | *http://www.gupnp.org/* |
| *gupnp-av* | 0.4 | 0.5.1 | *http://www.gupnp.org/* |
| *gupnp-igd* | 0.1.1 | 0.1.3 | *http://www.gupnp.org/* |
| *gupnp-tools* | 0.7.1 | 0.8 | *http://www.gupnp.org/* |
| *gutenprint-foomatic* | 5.2.3 | 5.2.4 | *http://gimp-print.sourceforge.net/* |
| *gvfs* | 1.2.3 | 1.4.1 | *http://www.gtk.org* |
| *gvfs-afc* | new | 1.4.1 | *http://www.gtk.org* |
| *gvfs-archive* | 1.2.3 | 1.4.1 | *http://www.gtk.org* |
| *gvfs-fuse* | 1.2.3 | 1.4.1 | *http://www.gtk.org* |
| *gvfs-gphoto2* | 1.2.3 | 1.4.1 | *http://www.gtk.org* |
| *gvfs-obexftp* | 1.2.3 | 1.4.1 | *http://www.gtk.org* |
| *gvfs-smb* | 1.2.3 | 1.4.1 | *http://www.gtk.org* |
| *gypsy* | 0.6 | 0.7 | *http://gypsy.freedesktop.org/* |
| *hal* | 0.5.12 | 0.5.13 | *http://www.freedesktop.org/Software/hal* |
| *hal-info* | 20090414 | 20090716 | *http://www.freedesktop.org/Software/hal* |
| *hamlib* | 1.2.8 | 1.2.9 | *http://hamlib.sourceforge.net* |
| *hdf5* | 1.8.2 | 1.8.3 | *http://www.hdfgroup.org/HDF5/* |
| *healpix-c++* | 2.11c | 2.12a | *http://healpix.jpl.nasa.gov/* |
| *healpix-c++-devel* | 2.11c | 2.12a | *http://healpix.jpl.nasa.gov/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *hplip-common* | new | 3.9.8 | *http://hplip.sourceforge.net/* |
| *hplip-libs* | 3.9.2 | 3.9.8 | *http://hplip.sourceforge.net/* |
| *hulahop* | 0.4.9 | 0.6.0 | *http://www.sugarlabs.org* |
| *ibus* | 1.1.0.20090423 | 1.2.0.20091024 | *http://code.google.com/p/ibus/* |
| *ibus-anthy* | 1.1.0.20090402 | 1.2.0.20090917 | *http://code.google.com/p/ibus/* |
| *ibus-chewing* | 1.0.10.20090523 | 1.2.0.20091002 | *http://code.google.com/p/ibus/* |
| *ibus-gtk* | 1.1.0.20090423 | 1.2.0.20091024 | *http://code.google.com/p/ibus/* |
| *ibus-hangul* | 1.1.0.20090328 | 1.2.0.20090617 | *http://code.google.com/p/ibus/* |
| *ibus-libs* | 1.1.0.20090423 | 1.2.0.20091024 | *http://code.google.com/p/ibus/* |
| *ibus-m17n* | 1.1.0.20090211 | 1.2.0.20090617 | *http://code.google.com/p/ibus/* |
| *ibus-pinyin* | 1.1.0.20090303 | 1.2.0.20090915 | *http://code.google.com/p/ibus/* |
| *ibus-qt* | new | 1.2.0.20091014 | *http://code.google.com/p/ibus/* |
| *ibus-rawcode* | 1.0.0.20090303 | 1.2.0.20090703 | *http://github.com/pravins/ibus-rawcode/tree/master* |
| *ibus-sayura* | 1.0.0.20090326 | 1.2.0.20090703 | *http://github.com/pravins/ibus-sayura/tree/master* |
| *ibus-table* | 1.1.0.20090316 | 1.2.0.20090912 | *http://code.google.com/p/ibus/* |
| *ibus-table-additional* | 1.1.0.20090316 | 1.2.0.20090912 | *http://code.google.com/p/ibus/* |
| *ibus-table-array30* | new | 1.2.0.20090729 | *http://github.com/definite/ibus-table-array30/tree/master* |
| *ibus-table-cangjie* | 1.1.0.20090309 | 1.2.0.20090831 | *http://code.google.com/p/ibus/* |
| *ibus-table-erbi* | 1.1.0.20090407 | 1.2.0.20090901 | *http://code.google.com/p/ibus/* |
| *ibus-table-extraphrase* | new | 1.1.0.20090415 | *http://code.google.com/p/ibus/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ibus-table-quick* | new | 1.2.0.20090902 | *http://code.google.com/p/ibus/* |
| *ibus-table-translit* | new | 1.2.0.20090907 | *http://code.google.com/p/ibus/* |
| *ibus-table-wubi* | 1.1.0.20090327 | 1.2.0.20090715 | *http://code.google.com/p/ibus/* |
| *ibus-table-xinhua* | new | 1.2.0.20090720 | *http://code.google.com/p/ibus/* |
| *ibus-table-yong* | new | 1.2.0.20090717 | *http://code.google.com/p/ibus/* |
| *ifuse* | 0.1.0 | 0.9.3 | *http://matt.colyer.name/projects/iphone-linux/* |
| *igraph* | 0.5.1 | 0.5.2 | *http://cneurocvs.rmki.kfki.hu/igraph* |
| *iksemel* | 1.3 | 1.4 | *http://code.google.com/p/iksemel/* |
| *iniparser* | new | 3.0 | *http://ndevilla.free.fr/iniparser/* |
| *ipa-python* | 1.2.1 | 1.2.2 | *http://www.freeipa.org/* |
| *irrlicht* | 1.5 | 1.5.1 | *http://irrlicht.sourceforge.net/* |
| *jVorbisEnc* | new | 0.1 | *http://zbigniew.sudnik.org/app/vorbis/vorbis.html* |
| *jana* | new | 0.4.5 | *http://git.gnome.org/cgit/jana/* |
| *jcommon* | 1.0.15 | 1.0.16 | *http://www.jfree.org/jcommon* |
| *jcommon-xml* | 1.0.15 | 1.0.16 | *http://www.jfree.org/jcommon* |
| *jjack* | new | 0.3 | *http://jjack.berlios.de/* |
| *jorbis* | new | 0.0.17 | *http://www.jcraft.com/jorbis/index.html* |
| *jorbis-comment* | new | 0.0.17 | *http://www.jcraft.com/jorbis/index.html* |
| *jorbis-player* | new | 0.0.17 | *http://www.jcraft.com/jorbis/index.html* |
| *json-glib* | 0.6.2 | 0.8.0 | *http://live.gnome.org/JsonGlib* |
| *jss* | 4.2.5 | 4.2.6 | *http://www.mozilla.org/projects/security/pki/jss/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kdeaccessibility-libs* | new | 4.3.2 | *http://accessibility.kde.org/* |
| *kdebase-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-runtime-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-workspace-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeedu-kstars-libs* | new | 4.3.2 | *http://www.kde.org/* |
| *kdeedu-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeedu-marble-libs* | new | 4.3.2 | *http://www.kde.org/* |
| *kdegames-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdegraphics-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdelibs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdelibs-common* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdelibs-experimental* | new | 4.3.2 | *http://www.kde.org/* |
| *kdemultimedia-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdenetwork-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kdepim-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdepim-runtime-libs* | new | 4.3.2 | *http://www.kde.org/* |
| *kdepimlibs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdepimlibs-akonadi* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeplasma-addons-libs* | new | 4.3.2 | *http://www.kde.org/* |
| *kdesdk-libs* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeutils-libs* | new | 4.3.2 | *http://www.kde.org* |
| *kgtk* | 0.9.4 | 0.10.1 | *http://www.kde-apps.org/content/show.php?content=36077* |
| *kio_msits* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kio_sysinfo* | 20090216 | 20090930 | *http://www.kde.org/* |
| *kmymoney2-libs* | 0.9.3 | 1.0.1 | *http://kmymoney2.sourceforge.net/* |
| *knetworkmanager-libs* | new | 0.9 | *http://websvn.kde.org/trunk/playground/base/plasma/applets/networkmanager/* |
| *krb5-libs* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *krb5-pkinit-openssl* | 1.6.3 | 1.7 | *http://web.mit.edu/kerberos/www/* |
| *ktorrent-libs* | new | 3.2.5 | *http://ktorrent.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lcdproc* | 0.5.2 | 0.5.3 | *http://lcdproc.omnipotent.net* |
| *ldns* | 1.5.1 | 1.6.1 | *http://www.nlnetlabs.nl/ldns/* |
| *lensfun* | 0.2.3 | 0.2.4 | *http://lensfun.berlios.de/* |
| *lesstif* | 0.95.0 | 0.95.2 | *http://www.lesstif.org/* |
| *libEMF* | 1.0.3 | 1.0.4 | *http://libemf.sourceforge.net/* |
| *libHX* | 2.5 | 3.1 | *http://sourceforge.net/projects/libhx/* |
| *libICE* | 1.0.4 | 1.0.6 | *http://www.x.org* |
| *libX11* | 1.2 | 1.3 | *http://www.x.org* |
| *libX11-common* | new | 1.3 | *http://www.x.org* |
| *libXScrnSaver* | 1.1.3 | 1.2.0 | *http://www.x.org* |
| *libXau* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libXaw* | 1.0.4 | 1.0.6 | *http://www.x.org* |
| *libXcomposite* | 0.4.0 | 0.4.1 | *http://www.x.org* |
| *libXcursor* | 1.1.9 | 1.1.10 | *http://www.x.org* |
| *libXdamage* | 1.1.1 | 1.1.2 | *http://www.x.org* |
| *libXdmcp* | 1.0.2 | 1.0.3 | *http://www.x.org* |
| *libXext* | 1.0.99.1 | 1.1 | *http://www.x.org* |
| *libXfixes* | 4.0.3 | 4.0.4 | *http://www.x.org* |
| *libXfont* | 1.4.0 | 1.4.1 | *http://www.x.org* |
| *libXi* | 1.2.1 | 1.3 | *http://www.x.org* |
| *libXinerama* | 1.0.3 | 1.1 | *http://www.x.org* |
| *libXmu* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libXpm* | 3.5.7 | 3.5.8 | *http://www.x.org* |
| *libXrandr* | 1.2.99.4 | 1.3.0 | *http://www.x.org* |
| *libXrender* | 0.9.4 | 0.9.5 | *http://www.x.org* |
| *libXres* | 1.0.3 | 1.0.4 | *http://www.x.org* |
| *libXt* | 1.0.5 | 1.0.7 | *http://www.x.org* |
| *libXtst* | 1.0.3 | 1.0.99.2 | *http://www.x.org* |
| *libXv* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libXxf86dga* | 1.0.2 | 1.1.1 | *http://www.x.org* |
| *libXxf86misc* | 1.0.1 | 1.0.2 | *http://www.x.org* |
| *libXxf86vm* | 1.0.2 | 1.1.0 | *http://www.x.org* |
| *libabiword* | 2.6.8 | 2.8.1 | *http://www.abisource.com/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libarchive* | 2.6.2 | 2.7.1 | *http://code.google.com/p/libarchive/* |
| *libass* | 0.9.6 | 0.9.7 | *http://code.google.com/p/libass/* |
| *libasyncns* | 0.7 | 0.8 | *http://0pointer.de/lennart/projects/libasyncns/* |
| *libatasmart* | 0.12 | 0.17 | *http://git.0pointer.de/?p=libatasmart.git;a=summary* |
| *libbdevid-python* | 6.0.86 | 6.0.93 | *git://git.fedoraproject.org/git/hosted/mkinitrd* |
| *libbonobo* | 2.24.1 | 2.24.2 | *http://ftp.gnome.org* |
| *libbonoboui* | 2.24.1 | 2.24.2 | *http://www.gnome.org* |
| *libburn* | 0.6.0 | 0.7.0 | *http://libburnia-project.org/* |
| *libcanberra* | 0.12 | 0.22 | *http://git.0pointer.de/?p=libcanberra.git;a=summary* |
| *libcanberra-gtk2* | 0.12 | 0.22 | *http://git.0pointer.de/?p=libcanberra.git;a=summary* |
| *libcap-ng* | new | 0.6.2 | *http://people.redhat.com/sgrubb/libcap-ng* |
| *libccss* | new | 0.3.1 | *http://people.freedesktop.org/~robsta/libccss/* |
| *libchamplain* | 0.2.9 | 0.4.2 | *http://projects.gnome.org/libchamplain/* |
| *libchamplain-gtk* | new | 0.4.2 | *http://projects.gnome.org/libchamplain/* |
| *libcmpiutil* | 0.4 | 0.5 | *http://libvirt.org/CIM/* |
| *libcompizconfig* | 0.7.8 | 0.8.2 | *http://www.opencompositing.org/* |
| *libconfig* | 1.3.1 | 1.3.2 | *http://www.hyperrealm.com/libconfig/* |
| *libdaemon* | 0.13 | 0.14 | *http://0pointer.de/lennart/projects/libdaemon/* |
| *libdc1394* | 2.1.0 | 2.1.2 | *http://sourceforge.net/projects/libdc1394/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libdmx* | 1.0.2 | 1.1.0 | *http://www.x.org* |
| *libdrm* | 2.4.6 | 2.4.15 | *http://dri.sourceforge.net* |
| *libdvdnav* | 4.1.3 | 4.1.4 | n/a |
| *libdvdread* | 4.1.3 | 4.1.4 | n/a |
| *libepc* | 0.3.9 | 0.3.10 | *http://live.gnome.org/libepc/* |
| *libetpan* | 0.57 | 0.58 | *http://www.etpan.org/* |
| *libev* | 3.53 | 3.80 | *http://software.schmorp.de/pkg/libev.html* |
| *libev-devel* | 3.53 | 3.80 | *http://software.schmorp.de/pkg/libev.html* |
| *libevent* | 1.4.5 | 1.4.12 | *http://monkey.org/~provos/libevent/* |
| *libextractor* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-base* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-exiv2* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-flac* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-ogg* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-ole2* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-pdf* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-thumbnailgtk* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libextractor-plugins-thumbnailqt* | 0.5.22 | 0.5.23 | *http://gnunet.org/libextractor/* |
| *libfontenc* | 1.0.4 | 1.0.5 | *http://www.x.org* |
| *libfplll* | 3.0.11 | 3.0.12 | *http://perso.ens-lyon.fr/damien.stehle/english.html#software* |
| *libftdi* | 0.15 | 0.16 | *http://www.intra2net.com/de/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *produkte/opensource/ftdi/* |
| *libfwbuilder* | 3.0.3 | 3.0.5 | *http://www.fwbuilder.org/* |
| *libgadu* | 1.8.2 | 1.9.0 | *http://toxygen.net/libgadu/* |
| *libgarmin* | new | 0 | *http://libgarmin.sourceforge.net/* |
| *libgcc* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libgcj* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libgcj-src* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libgda* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-mdb* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-mysql* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-postgres* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgda-sqlite* | 4.0.0 | 4.0.4 | *http://www.gnome-db.org/* |
| *libgdamm* | 3.99.14 | 3.99.17.1 | *http://www.gtkmm.org/* |
| *libgdata* | 0.1.1 | 0.5.0 | *http://live.gnome.org/libgdata* |
| *libgdiplus* | 2.4 | 2.4.2 | *http://mono-project.com/Libgdiplus* |
| *libgee* | 0.1.5 | 0.3.0 | *http://live.gnome.org/Libgee* |
| *libgfortran* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libglpng* | new | 1.45 | *https://admin.fedoraproject.org/pkgdb/packages/name/libglpng* |
| *libgnat* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libgnat-devel* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libgnome* | 2.26.0 | 2.28.0 | *http://www.gnome.org* |

Table 57. All System_Environment-Libraries changes (cont'd)

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libgnomedb* | 3.99.7 | dropped | *http://www.gnome-db.org/* |
| *libgnomekbd* | 2.26.0 | 2.28.0 | *http://gswitchit.sourceforge.net* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libgnomemm26* | 2.26.0 | 2.28.0 | *http://gtkmm.sourceforge.net/* |
| *libgnomeuimm26* | 2.26.0 | 2.28.0 | *http://gtkmm.sourceforge.net/* |
| *libgomp* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libgpod* | 0.7.0 | 0.7.2 | *http://www.gtkpod.org/libgpod.html* |
| *libgsf* | 1.14.11 | 1.14.15 | *http://www.gnome.org/projects/libgsf/* |
| *libgsf-gnome* | 1.14.11 | 1.14.15 | *http://www.gnome.org/projects/libgsf/* |
| *libgtop2* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/libgtop/2.28* |
| *libgweather* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |
| *libhangul* | 0.0.8 | 0.0.9 | *http://kldp.net/projects/hangul/* |
| *libhbalinux* | 1.0.7 | 1.0.8 | *http://www.open-fcoe.org* |
| *libhugetlbfs* | 2.2 | 2.6 | *http://libhugetlbfs.sourceforge.net/* |
| *libibcommon* | 1.1.0 | 1.2.0 | *http://openfabrics.org/* |
| *libibcommon-devel* | 1.1.0 | 1.2.0 | *http://openfabrics.org/* |
| *libibcommon-static* | 1.1.0 | 1.2.0 | *http://openfabrics.org/* |
| *libibmad* | 1.2.0 | 1.3.2 | *http://openfabrics.org/* |
| *libibmad-devel* | 1.2.0 | 1.3.2 | *http://openfabrics.org/* |
| *libibmad-static* | 1.2.0 | 1.3.2 | *http://openfabrics.org/* |
| *libibumad* | 1.2.0 | 1.3.2 | *http://openfabrics.org* |
| *libibumad-devel* | 1.2.0 | 1.3.2 | *http://openfabrics.org* |
| *libibumad-static* | 1.2.0 | 1.3.2 | *http://openfabrics.org* |
| *libicns* | 0.6.2 | 0.7.0 | *http://icns.sourceforge.net/* |
| *libicu* | 4.0.1 | 4.2.1 | *http://www.icu-project.org/* |
| *libinfinity* | new | 0.3.0 | *http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity* |
| *libinfinity-gtk* | new | 0.3.0 | *http://gobby.0x539.de/trac/wiki/Infinote/Libinfinity* |
| *libint* | new | 1.1.4 | *http://www.files.chem.vt.edu/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | chem-dept/valeev/software/libint/libint.html |
| libiodbc | new | 3.52.7 | http://www.iodbc.org/ |
| libiphone | 0.1.0 | 0.9.3 | http://matt.colyer.name/projects/iphone-linux/ |
| libirman | new | 0.4.5 | http://lirc.sourceforge.net/software/snapshots/ |
| libisofs | 0.6.16 | 0.6.20 | http://libburnia-project.org/ |
| libitl | 0.6.4 | 0.7.0 | http://www.arabeyes.org/project.php?proj=ITL |
| libkate | 0.3.1 | 0.3.6 | http://code.google.com/p/libkate/ |
| libklfbackend | new | 3.0.1 | http://klatexformula.sourceforge.net/ |
| libksba | 1.0.5 | 1.0.6 | http://www.gnupg.org/ |
| liblastfm | new | 0.3.0 | http://github.com/mxcl/liblastfm/tree/master |
| liblqr-1 | 0.1.0 | 0.4.1 | http://liquidrescale.wikidot.com/ |
| libmemcached | new | 0.31 | http://tangent.org/552/libmemcached.html |
| libmetalink | new | 0.0.3 | https://launchpad.net/libmetalink |
| libmkv | 0.6.3.1 | 0.6.4 | http://repo.or.cz/w/libmkv.git |
| libmowgli | 0.5.0 | 0.7.0 | http://atheme.org |
| libmtp | 0.3.7 | 1.0.1 | http://libmtp.sourceforge.net/ |
| libmtp-devel | 0.3.7 | 1.0.1 | http://libmtp.sourceforge.net/ |
| libmudflap | 4.4.0 | 4.4.2 | http://gcc.gnu.org |
| libnet | 1.1.3 | 1.1.4 | http://www.sourceforge.net/projects/libnet-dev/ |
| libnice | 0.0.6 | 0.0.9 | http://nice.freedesktop.org/wiki/ |
| libobjc | 4.4.0 | 4.4.2 | http://gcc.gnu.org |
| libogg | 1.1.3 | 1.1.4 | http://www.xiph.org/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libopensync-plugin-synce* | 0.22 | 0.22.1 | *http://www.synce.org* |
| *libopensync-plugin-synce-wm5* | 0.13 | 0.14 | *http://www.synce.org/* |
| *libotf* | 0.9.8 | 0.9.9 | *http://www.m17n.org/libotf/* |
| *libpanelappletmm* | 2.22.0 | 2.26.0 | *http://gtkmm.sourceforge.net/* |
| *libpathfinder-nss* | new | 1.1.0 | *http://code.google.com/p/pathfinder-pki/* |
| *libpathfinder-openssl* | new | 1.1.0 | *http://code.google.com/p/pathfinder-pki/* |
| *libpciaccess* | 0.10.5 | 0.10.9 | *http://gitweb.freedesktop.org/?p=xorg/lib/libpciaccess.git* |
| *libplist* | new | 0.13 | *http://matt.colyer.name/projects/iphone-linux/* |
| *libpng* | 1.2.35 | 1.2.39 | *http://www.libpng.org/pub/png/* |
| *libpng10* | 1.0.43 | 1.0.50 | *http://www.libpng.org/pub/png/libpng.html* |
| *libprelude* | 0.9.21.2 | 0.9.24.1 | *http://prelude-ids.org/* |
| *libprelude-devel* | 0.9.21.2 | 0.9.24.1 | *http://prelude-ids.org/* |
| *libprelude-perl* | 0.9.21.2 | 0.9.24.1 | *http://prelude-ids.org/* |
| *libprelude-python* | 0.9.21.2 | 0.9.24.1 | *http://prelude-ids.org/* |
| *libprelude-ruby* | 0.9.21.2 | 0.9.24.1 | *http://prelude-ids.org/* |
| *libpri* | 1.4.7 | 1.4.10 | *http://www.asterisk.org/* |
| *libpuzzle* | new | 0.11 | *http://libpuzzle.pureftpd.org/project/libpuzzle* |
| *libqinfinity* | new | 1.0 | *http://greghaynes.github.com/libqinfinity/* |
| *librapi* | 0.13.1 | 0.14 | *http://www.synce.org* |
| *libraw1394* | 2.0.1 | 2.0.4 | *http://www.dennedy.org/libraw1394/* |
| *librra* | 0.13 | 0.14 | *http://www.synce.org* |
| *libsamplerate* | 0.1.6 | 0.1.7 | *http://www.mega-nerd.com/SRC/* |
| *libselinux* | 2.0.80 | 2.0.87 | *http://www.selinuxproject.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libsemanage* | 2.0.31 | 2.0.39 | *http://www.selinuxproject.org* |
| *libsepol* | 2.0.36 | 2.0.38 | *http://www.selinuxproject.org* |
| *libsigc++20* | 2.2.2 | 2.2.4.2 | *http://libsigc.sourceforge.net/* |
| *libsilc* | 1.1.8 | 1.1.10 | *http://www.silcnet.org/* |
| *libsndfile* | 1.0.17 | 1.0.20 | *http://www.mega-nerd.com/libsndfile/* |
| *libss7* | 1.0.1 | 1.0.2 | *http://www.asterisk.org/* |
| *libssh* | new | 0.2 | *http://0xbadc0de.be/?part=libssh* |
| *libssh2* | 1.0 | 1.2 | *http://www.libssh2.org/* |
| *libstdc++* | 4.4.0 | 4.4.2 | *http://gcc.gnu.org* |
| *libsynce* | 0.13 | 0.14 | *http://www.synce.org* |
| *libtasn1* | 1.8 | 2.3 | *http://www.gnu.org/software/libtasn1/* |
| *libthai* | 0.1.9 | 0.1.12 | *http://linux.thai.net* |
| *libtheora* | 1.0 | 1.1.0 | *http://www.theora.org* |
| *libtirpc* | 0.1.10 | 0.2.0 | *http://nfsv4.bullopensource.org/* |
| *libtnc* | new | 1.22 | *http://libtnc.sourceforge.net/* |
| *libtorrent* | 0.12.4 | 0.12.5 | *http://libtorrent.rakshasa.no/* |
| *libudev* | new | 145 | *http://www.kernel.org/pub/linux/utils/kernel/hotplug/udev.html* |
| *libusb1* | 1.0.0 | 1.0.3 | *http://libusb.wiki.sourceforge.net/Libusb1.0* |
| *libv4l* | 0.5.9 | 0.6.3 | *http://hansdegoede.livejournal.com/3636.html* |
| *libvmime* | new | 0.9.0 | *http://www.vmime.org/* |
| *libvncserver* | 0.9.1 | 0.9.7 | *http://libvncserver.sourceforge.net/* |
| *libvoikko* | 2.1 | 2.2.1 | *http://voikko.sourceforge.net/* |
| *libvorbis* | 1.2.0 | 1.2.3 | *http://www.xiph.org/* |
| *libwnck* | 2.26.1 | 2.28.0 | *http://download.gnome.org/sources/libwnck/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *libwvstreams* | 4.5.1 | 4.6 | *http://alumnit.ca/wiki/index.php?page=WvStreams* |
| *libxcb* | 1.2 | 1.4 | *http://xcb.freedesktop.org/* |
| *libxdg-basedir* | new | 1.0.2 | *http://n.ethz.ch/student/nevillm/download/libxdg-basedir* |
| *libxkbfile* | 1.0.4 | 1.0.6 | *http://www.x.org* |
| *libyaz* | 3.0.41 | 3.0.49 | *http://www.indexdata.dk/yaz/* |
| *libzdb* | 2.4 | 2.6 | *http://www.tildeslash.com/libzdb/* |
| *lirc-libs* | 0.8.5 | 0.8.6 | *http://www.lirc.org/* |
| *lm_sensors-libs* | new | 3.1.1 | *http://www.lm-sensors.org/* |
| *lpsolve* | 5.5.0.14 | 5.5.0.15 | *http://sourceforge.net/projects/lpsolve* |
| *lvm2-libs* | new | 2.02.53 | *http://sources.redhat.com/lvm2* |
| *lxc-libs* | new | 0.6.3 | *http://lxc.sourceforge.net* |
| *m17n-contrib* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-assamese* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-bengali* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-chinese* | new | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-czech* | new | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-esperanto* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-gujarati* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-hindi* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-kannada* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *m17n-contrib-kashmiri* | new | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-maithili* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-malayalam* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-marathi* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-nepali* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-oriya* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-pashto* | new | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-punjabi* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-russian* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-sindhi* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-sinhala* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-tai* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-tamil* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-telugu* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-urdu* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-contrib-vietnamese* | 1.1.9 | 1.1.10 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-amharic* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-arabic* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-armenian* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-assamese* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *m17n-db-bengali* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-cham* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-chinese* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-common-cjk* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-croatian* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-danish* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-datafiles* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-dhivehi* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-farsi* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-french* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-generic* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-greek* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-gregorian* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-gujarati* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-hebrew* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-hindi* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-japanese* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-kannada* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-kazakh* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-khmer* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-korean* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *m17n-db-lao* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-latin* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-malayalam* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-myanmar* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-oriya* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-punjabi* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-russian* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-sanskrit* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-serbian* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-sinhala* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-slovak* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-swedish* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-syriac* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-tamil* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-telugu* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-thai* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-tibetan* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-uyghur* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-db-vietnamese* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m17n-lib* | 1.5.4 | 1.5.5 | *http://www.m17n.org/m17n-lib/index.html* |
| *m2crypto* | 0.19.1 | 0.20.1 | *http://wiki.osafoundation.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | bin/view/Projects/MeTooCrypto |
| matio | new | 1.3.3 | http://sourceforge.net/projects/matio |
| menu-cache | 0.2.3 | 0.2.5 | http://lxde.org |
| mesa-libGL | 7.5 | 7.6 | http://www.mesa3d.org |
| mesa-libGLU | 7.5 | 7.6 | http://www.mesa3d.org |
| mesa-libOSMesa | 7.5 | 7.6 | http://www.mesa3d.org |
| meshmagick-libs | 0.5.2 | 0.6.0 | http://www.ogre3d.org/wiki/index.php/MeshMagick |
| mhash | 0.9.9 | 0.9.9.9 | http://mhash.sourceforge.net/ |
| mimetic | 0.9.5 | 0.9.6 | http://codesink.org/mimetic_mime_library.html |
| mingw32-enchant | new | 1.5.0 | http://www.abisource.com/ |
| mingw32-hunspell | new | 1.2.8 | http://hunspell.sourceforge.net/ |
| mingw32-libglademm24 | new | 2.6.7 | http://gtkmm.sourceforge.net/ |
| mingw32-libsqlite3x | new | 20071018 | http://www.wanderinghorse.net/computing/sqlite/ |
| mingw32-libtiff | new | 3.8.2 | http://www.remotesensing.org/libtiff/ |

Table 58. All System_Environment-Libraries changes (cont'd)

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| mingw32-libxml++ | new | 2.26.0 | http://libxmlplusplus.sourceforge.net/ |
| mingw32-zfstream | new | 20041202 | http://www.wanderinghorse.net/computing/zfstream/ |
| mmdb | 1.19 | 1.21 | http://www.ebi.ac.uk/~keb/cldoc/ |
| moblin-panel-applications | new | 0.0.2 | http://www.moblin.org |
| moblin-panel-myzone | new | 0.0.8 | http://www.moblin.org |
| moblin-panel-pasteboard | new | 0.0.2 | http://www.moblin.org |
| mod_wsgi | 2.3 | 2.5 | http://modwsgi.org |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *mysql-connector-java* | 3.1.12 | 5.1.8 | *http://dev.mysql.com/downloads/connector/j/5.1.html* |
| *mysql-gui-common* | 5.0r12 | 5.0r14 | *http://www.mysql.com/products/tools/administrator/index.html* |
| *nbtk* | new | 1.2.0 | *http://moblin.org/projects/netbook-toolkit-nbtk* |
| *neon* | 0.28.4 | 0.29.0 | *http://www.webdav.org/neon/* |
| *netcf* | new | 0.1.2 | *https://fedorahosted.org/netcf/* |
| *netcf-libs* | new | 0.1.2 | *https://fedorahosted.org/netcf/* |
| *netpbm* | 10.35.62 | 10.47.04 | *http://netpbm.sourceforge.net/* |
| *newt* | 0.52.10 | 0.52.11 | *https://fedorahosted.org/newt/* |
| *notification-daemon* | 0.4.0 | 0.4.1 | *http://www.galago-project.org/specs/notification/* |
| *nspr* | 4.7.3 | 4.8.2 | *http://www.mozilla.org/projects/nspr/* |
| *nss* | 3.12.3 | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *nss-myhostname* | new | 0.2 | *http://0pointer.de/lennart/projects/nss-myhostname/* |
| *nss-softokn* | new | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *nss-util* | new | 3.12.4 | *http://www.mozilla.org/projects/security/pki/nss/* |
| *ntl* | new | 5.5.2 | *http://shoup.net/ntl/* |
| *numactl-devel* | 2.0.2 | 2.0.3 | *ftp://oss.sgi.com/www/projects/libnuma/download* |
| *ocaml-lablgl* | 1.03 | 1.04 | *http://wwwfun.kurims.kyoto-* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | u.ac.jp/soft/olabl/lablgl.html |
| ocaml-lablgtk | 2.12.0 | 2.14.0 | http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgtk.html |
| ocaml-lablgtk-doc | 2.12.0 | 2.14.0 | http://wwwfun.kurims.kyoto-u.ac.jp/soft/olabl/lablgtk.html |
| ocaml-labltk | 3.11.0 | 3.11.1 | http://www.ocaml.org |
| ocaml-runtime | 3.11.0 | 3.11.1 | http://www.ocaml.org |
| ocaml-x11 | 3.11.0 | 3.11.1 | http://www.ocaml.org |
| ode | 0.11 | 0.11.1 | http://www.ode.org |
| ogre | 1.6.1 | 1.6.4 | http://www.ogre3d.org/ |
| oorexx-libs | 3.2.0 | 4.0.0 | http://www.oorexx.org |
| opal | 3.6.1 | 3.6.6 | http://www.opalvoip.org/ |
| openaislib | 0.94 | 1.1.0 | http://developer.osdl.org/dev/openais/ |
| openal-soft | new | 1.9.563 | http://kcat.strangesoft.net/openal.html |
| opencryptoki-libs | new | 2.3.0 | http://sourceforge.net/projects/opencryptoki |
| openct | 0.6.15 | 0.6.17 | http://www.opensc-project.org/openct/ |
| opensc | 0.11.7 | 0.11.9 | http://www.opensc-project.org/opensc/ |
| openscap | 0.1.4 | 0.5.3 | http://www.open-scap.org/ |
| opensm-libs | 3.2.1 | 3.3.2 | http://www.openfabrics.org/ |
| openssl | 0.9.8k | 1.0.0 | http://www.openssl.org/ |
| openvrml | 0.17.12 | 0.18.3 | http://openvrml.org |
| openvrml-gl | 0.17.12 | 0.18.3 | http://openvrml.org |
| pango | 1.24.1 | 1.26.0 | http://www.pango.org |
| pangomm | 2.24.0 | 2.26.0 | http://gtkmm.sourceforge.net/ |
| papyrus | 0.11.0 | 0.12.1 | http://libpapyrus.sourceforge.net/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *papyrus-extras* | 0.11.0 | 0.12.1 | *http://libpapyrus.sourceforge.net/* |
| *papyrus-gtkmm* | 0.11.0 | 0.12.1 | *http://libpapyrus.sourceforge.net/* |
| *pciutils-libs* | 3.1.2 | 3.1.4 | *http://atrey.karlin.mff.cuni.cz/~mj/pciutils.shtml* |
| *perl-PDF-API2* | 0.72.003 | 0.73 | *http://search.cpan.org/dist/PDF-API2/* |
| *perl-openbabel* | 2.2.1 | 2.2.3 | *http://openbabel.org/* |
| *php-PHPMailer* | new | 5.0.2 | *http://phpmailer.worxware.com/* |
| *php-embedded* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-enchant* | new | 5.3.0 | *http://www.php.net/* |
| *php-hkit* | new | 0.5 | *http://allinthehead.com/hkit* |
| *php-intl* | new | 5.3.0 | *http://www.php.net/* |
| *php-pspell* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *php-recode* | 5.2.9 | 5.3.0 | *http://www.php.net/* |
| *physfs* | 1.0.1 | 1.0.2 | *http://www.icculus.org/physfs/* |
| *pixman* | 0.14.0 | 0.16.2 | *http://cgit.freedesktop.org/pixman/* |
| *podofo-libs* | new | 0.7.0 | *http://podofo.sourceforge.net* |
| *polkit* | new | 0.95 | *http://www.freedesktop.org/wiki/Software/PolicyKit* |
| *polyml-libs* | 5.2 | 5.2.1 | *http://www.polyml.org* |
| *poppler-qt* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *poppler-qt4* | 0.10.5 | 0.12.1 | *http://poppler.freedesktop.org/* |
| *prelude-lml* | 0.9.14 | 0.9.15 | *http://prelude-ids.org/* |
| *prelude-manager-db-plugin* | 0.9.14.2 | 0.9.15 | *http://www.prelude-ids.org* |
| *prelude-manager-smtp-plugin* | 0.9.14.2 | 0.9.15 | *http://www.prelude-ids.org* |
| *prelude-manager-xml-plugin* | 0.9.14.2 | 0.9.15 | *http://www.prelude-ids.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ptlib* | 2.6.1 | 2.6.5 | *http://www.opalvoip.org/* |
| *ptouch-driver* | 1.2 | 1.3 | *http://www.diku.dk/~panic/P-touch/* |
| *pulseaudio-libs* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-libs-glib2* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pulseaudio-libs-zeroconf* | 0.9.15 | 0.9.19 | *http://pulseaudio.org/* |
| *pyabiword* | 0.6.3 | 0.8.0 | *http://abisource.com/downloads/pyabiword/0.8.0/pyabiword-0.8.0.tar.gz* |
| *pyke* | 1.0.1 | 1.0.2 | *http://pyke.sourceforge.net/* |
| *pykickstart* | 1.54 | 1.64 | *http://fedoraproject.org/wiki/pykickstart* |
| *pyparted* | 2.0.12 | 2.1.2 | *http://fedorahosted.org/pyparted* |
| *python-IPy* | 0.62 | 0.63 | *http://software.inl.fr/trac/trac.cgi/wiki/IPy* |
| *python-configobj* | 4.5.3 | 4.6.0 | *http://www.voidspace.org.uk/python/configobj.html* |
| *python-coverage* | new | 3.0.1 | *http://nedbatchelder.com/code/modules/coverage.html* |
| *python-iwlib* | new | 0.1 | *http://git.fedorahosted.org/git/python-iwlib.git* |
| *python-lash* | new | 0.5.4 | *http://www.nongnu.org/lash/* |
| *python-meh* | new | 0.7 | *http://git.fedoraproject.org/git/?p=python-meh.git* |
| *python-openbabel* | 2.2.1 | 2.2.3 | *http://openbabel.org/* |
| *python-paste-deploy* | 1.3.2 | 1.3.3 | *http://pythonpaste.org/deploy* |
| *python-ply* | 2.5 | 3.2 | *http://www.dabeaz.com/ply/* |
| *python-pyblock* | 0.42 | 0.44 | n/a |
| *python-simplejson* | 2.0.7 | 2.0.9 | *http://undefined.org/python/#simplejson* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *python-slip* | 0.1.15 | 0.2.7 | *http://fedorahosted.org/python-slip* |
| *python-slip-dbus* | 0.1.15 | 0.2.7 | *http://fedorahosted.org/python-slip* |
| *python-slip-gtk* | 0.1.15 | 0.2.7 | *http://fedorahosted.org/python-slip* |
| *python-tre* | 0.7.5 | 0.7.6 | *http://laurikari.net/tre/* |
| *python-twitter* | 0.5 | 0.6 | *http://code.google.com/p/python-twitter/* |
| *python-volume_key* | new | 0.3 | *https://fedorahosted.org/volume_key/* |
| *qca2* | 2.0.1 | 2.0.2 | *http://delta.affinix.com/qca* |
| *qpidc* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidc-rdma* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidc-ssl* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidd-acl* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidd-rdma* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidd-ssl* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qpidd-xml* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |
| *qt* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *qt-mysql* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *qt-odbc* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *qt-postgresql* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *qt-x11* | 4.5.0 | 4.5.3 | *http://www.qtsoftware.com/* |
| *qtnx* | new | 0.9 | *http://freenx.berlios.de/* |
| *rb_libtorrent* | 0.14.2 | 0.14.4 | *http://www.rasterbar.com/products/libtorrent/* |
| *readline* | 5.2 | 6.0 | *http://cnswww.cns.cwru.edu/php/chet/readline/rltop.html* |
| *refmac-dictionary* | 5.04 | 5.12 | *http://www.ysbl.york.ac.uk/~garib/refmac/latest_refmac.html* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *rest* | new | 0.6.1 | *http://moblin.org/projects/librest* |
| *rhpxl* | 1.12 | dropped | *http://fedoraproject.org/wiki/rhpxl* |
| *rmol* | 0.19.0 | 0.23.0 | *http://rmol.sourceforge.net* |
| *rtaudio-devel* | 4.0.5 | 4.0.6 | *http://www.music.mcgill.ca/~gary/rtaudio/* |
| *ruby-atk* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-bonobo2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-bonoboui2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gconf2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gdkpixbuf2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-glib2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnome2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomecanvas2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomeprint2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomeprintui2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gnomevfs* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-goocanvas* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gstreamer* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtk2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtkglext* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtkhtml2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtkmozembed* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *ruby-gtksourceview* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-gtksourceview2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-libart2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-libglade2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-panelapplet2* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-pango* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-poppler* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-qmf* | new | 0.5.829175 | *http://qpid.apache.org* |
| *ruby-rsvg* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *ruby-vte* | 0.18.1 | 0.19.3 | *http://ruby-gnome2.sourceforge.jp/* |
| *sane-backends* | 1.0.19 | 1.0.20 | *http://www.sane-project.org* |
| *sane-backends-libs* | 1.0.19 | 1.0.20 | *http://www.sane-project.org* |
| *sane-backends-libs-gphoto2* | 1.0.19 | 1.0.20 | *http://www.sane-project.org* |
| *schroedinger* | 1.0.6 | 1.0.7 | *http://www.diracvideo.org/* |
| *scim* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-bridge* | 0.4.15.2 | 0.4.16 | *http://www.scim-im.org/projects/scim_bridge* |
| *scim-bridge-gtk* | 0.4.15.2 | 0.4.16 | *http://www.scim-im.org/projects/scim_bridge* |
| *scim-bridge-qt* | 0.4.15.2 | 0.4.16 | *http://www.scim-im.org/projects/scim_bridge* |
| *scim-bridge-qt3* | 0.4.15.2 | 0.4.16 | *http://www.scim-im.org/projects/scim_bridge* |
| *scim-gtk* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-assamese* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-bengali* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-chinese* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-dhivehi* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-farsi* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *scim-lang-gujarati* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-hindi* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-japanese* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-kannada* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-korean* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-latin* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-malayalam* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-marathi* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-nepali* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-oriya* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-punjabi* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-sinhalese* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-tamil* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-telugu* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-thai* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-lang-tibetan* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-libs* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-m17n* | 0.2.2 | 0.2.3 | *http://www.scim-im.org/projects/imengines* |
| *scim-rawcode* | 1.4.8 | 1.4.9 | *http://www.scim-im.org/* |
| *scim-tables* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-additional* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-amharic* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-arabic* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-chinese* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-chinese-extra* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-nepali* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-russian* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-thai* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *scim-tables-ukrainian* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *scim-tables-vietnamese* | 0.5.8 | 0.5.9 | *http://sourceforge.net/projects/scim* |
| *setools-libs* | 3.3.5 | 3.3.6 | *http://oss.tresys.com/projects/setools* |
| *sg3_utils-libs* | 1.26 | 1.27 | *http://sg.danny.cz/sg/sg3_utils.html* |
| *skkdic* | 20080904 | 20090929 | *http://openlab.ring.gr.jp/skk/skk/dic/* |
| *slang* | 2.1.4 | 2.2.1 | *http://www.jedsoft.org/slang/* |
| *slv2* | 0.6.2 | 0.6.6 | *http://drobilla.net/software/slv2/* |
| *soci* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *soci-mysql* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *soci-postgresql* | new | 3.0.0 | *http://soci.sourceforge.net* |
| *soprano* | 2.2.3 | 2.3.1 | *http://sourceforge.net/projects/soprano* |
| *spandsp* | 0.0.5 | 0.0.6 | *http://www.soft-switch.org/* |
| *speech-dispatcher* | 0.6.6 | 0.6.7 | *http://www.freebsoft.org/pub/projects/speechd/* |
| *squirrel-libs* | 2.2.2 | 2.2.3 | *http://squirrel-lang.org/* |
| *ssm* | 0.1 | 1.0 | *http://www.bioxray.au.dk/~mok/ssm* |
| *startup-notification* | 0.9 | 0.10 | *http://www.freedesktop.org/software/startup-notification/* |
| *sublib* | 0.9 | dropped | *http://sublib.sourceforge.net/* |
| *sugar-base* | 0.84.1 | 0.86.0 | *http://sugarlabs.org/* |
| *sugar-presence-service* | 0.84.0 | 0.86.0 | *http://dev.laptop.org/* |
| *sugar-toolkit* | 0.84.4 | 0.86.2 | *http://wiki.laptop.org/go/Sugar* |
| *suitesparse* | 3.2.0 | 3.4.0 | *http://www.cise.ufl.edu/research/sparse/SuiteSparse* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sword* | 1.5.11 | 1.6.0 | *http://www.crosswire.org/sword/* |
| *taglib* | 1.5 | 1.6 | *http://developer.kde.org/~wheeler/taglib.html* |

Table 59. All System_Environment-Libraries changes (cont'd)

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *taskjuggler-libs* | 2.4.1 | 2.4.3 | *http://www.taskjuggler.org* |
| *tcl-tktreectrl* | 2.2.8 | 2.2.9 | *http://tktreectrl.sourceforge.net/* |
| *tcl-trf* | 2.1.3 | 2.1.4 | *http://tcltrf.sourceforge.net* |
| *telepathy-farsight* | 0.0.6 | 0.0.12 | *http://telepathy.freedesktop.org/wiki/* |
| *telepathy-glib* | 0.7.29 | 0.9.0 | *http://telepathy.freedesktop.org/wiki/FrontPage* |
| *telepathy-mission-control* | 4.67 | 5.2.5 | *http://telepathy.freedesktop.org/wiki/Mission_Control* |
| *tokyotyrant-libs* | new | 1.1.34 | *http://1978th.net/tokyotyrant/* |
| *totem-pl-parser* | 2.26.2 | 2.28.1 | *http://www.gnome.org/projects/totem/* |
| *tre* | 0.7.5 | 0.7.6 | *http://laurikari.net/tre/* |
| *tritonus* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-alsa* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-aos* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-cdda* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-core* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-dsp* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-esd* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-fluidsynth* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-gsm* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-javasequencer* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-jorbis* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-misc* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-pvorbis* | new | 0.3.7 | *http://www.tritonus.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *tritonus-src* | new | 0.3.7 | *http://www.tritonus.org/* |
| *tritonus-vorbis* | new | 0.3.7 | *http://www.tritonus.org/* |
| *trytond-openoffice* | 1.0.3 | 1.2.2 | *http://www.tryton.org* |
| *trytond-webdav* | 1.0.3 | 1.2.2 | *http://www.tryton.org* |
| *tslib* | new | 1.0 | *http://tslib.berlios.de/* |
| *twitter-glib* | new | 0.9.8 | *http://live.gnome.org/TwitterGlib* |
| *ucommon* | new | 2.0.5 | *http://www.gnu.org/software/commoncpp* |
| *uim* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-anthy* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-canna* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-m17n* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-skk* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *unique* | 1.0.4 | 1.1.2 | *http://www.gnome.org/~ebassi/source/* |
| *unuran* | 1.3.1 | 1.4.1 | *http://statistik.wu-wien.ac.at/unuran* |
| *util-vserver-lib* | 0.30.215 | 0.30.215+svn2847 | *http://savannah.nongnu.org/projects/util-vserver/* |
| *varnish-libs* | 2.0.3 | 2.0.4 | *http://www.varnish-cache.org/* |
| *varnish-libs-devel* | 2.0.3 | 2.0.4 | *http://www.varnish-cache.org/* |
| *vips* | 7.16.4 | 7.18.2 | *http://www.vips.ecs.soton.ac.uk/* |
| *volume_key-libs* | new | 0.3 | *https://fedorahosted.org/volume_key/* |
| *vtk* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *vtk-java* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *vtk-python* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *vtk-qt* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *vtk-tcl* | 5.2.1 | 5.4.2 | *http://vtk.org/* |
| *wine-alsa* | new | 1.1.29 | *http://www.winehq.org/* |
| *wine-capi* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *wine-cms* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-devel* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-esd* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-jack* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-ldap* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-nas* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-oss* | new | 1.1.29 | *http://www.winehq.org/* |
| *wine-pulseaudio* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *wine-twain* | 1.1.18 | 1.1.29 | *http://www.winehq.org/* |
| *xapian-core-libs* | 1.0.11 | 1.0.16 | *http://www.xapian.org/* |
| *xbase* | 2.0.0 | 3.1.2 | *http://linux.techass.com/projects/xdb/* |
| *xblas* | new | 1.0.248 | *http://www.netlib.org/xblas* |
| *xcb-util* | 0.3.3 | 0.3.6 | *http://xcb.freedesktop.org* |
| *xcb-util-devel* | 0.3.3 | 0.3.6 | *http://xcb.freedesktop.org* |
| *xemacs-uim* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *xforms* | 1.0.90 | 1.0.92 | *http://xforms-toolkit.org/* |
| *xml-security-c* | new | 1.5.1 | *http://santuario.apache.org/c/* |
| *xpa-libs* | 2.1.8 | 2.1.10 | *http://hea-www.harvard.edu/RD/xpa/* |
| *xpa-tcl* | 2.1.8 | 2.1.10 | *http://hea-www.harvard.edu/RD/xpa/* |
| *xz-libs* | new | 4.999.9 | *http://tukaani.org/xz/* |
| *zerofree* | new | 1.0.1 | *http://intgat.tigress.co.uk/rmy/uml/* |
| *zfstream* | new | 20041202 | *http://www.wanderinghorse.net/computing/zfstream/* |
| *zita-convolver* | new | 1.0.0 | *http://www.kokkinizita.net/linuxaudio/* |

Table 60. All System_Environment-Libraries changes (cont'd)

| | |
|---|---|
| Packages changed | 905 |

| | |
|---|---|
| Packages unchanged | 831 |
| Total packages | 1736 |

### 8.7.5. System Environment-Shells

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *bash* | 4.0 | 4.0.33 | *http://www.gnu.org/software/bash* |
| *busybox* | 1.13.2 | 1.15.1 | *http://www.busybox.net* |
| *busybox-petitboot* | 1.13.2 | 1.15.1 | *http://www.busybox.net* |
| *fish* | 1.23.0 | 1.23.1 | *http://fishshell.org/* |
| *ksh* | 20081104 | 20090630 | *http://www.kornshell.com/* |
| *mc* | 4.6.2 | 4.7.0 | *http://www.midnight-commander.org/* |
| *mksh* | 37b | 39 | *http://www.mirbsd.de/mksh/* |
| *nautilus-search-tool* | 0.2.2 | 0.3.0 | *http://saettaz.altervista.org/software/nautilus_search_tool.html* |
| *tcsh* | 6.15 | 6.17 | *http://www.tcsh.org/* |
| *ytree* | new | 1.93 | *http://www.han.de/~werner/ytree.html* |
| *zsh* | 4.3.9 | 4.3.10 | *http://zsh.sunsite.dk/* |
| *zsh-html* | 4.3.9 | 4.3.10 | *http://zsh.sunsite.dk/* |

Table 61. All System_Environment-Shells changes

| | |
|---|---|
| Packages changed | 12 |
| Packages unchanged | 3 |
| Total packages | 15 |

### 8.7.6. System Environment-Tools

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *qpidc-perftest* | 0.5.752600 | 0.5.829175 | *http://qpid.apache.org* |

Table 62. All System_Environment-Tools changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 0 |
| Total packages | 1 |

### 8.7.7. Systems Management-Base

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *tog-pegasus-devel* | 2.7.2 | 2.9.0 | *http://www.openpegasus.org* |

Table 63. All Systems_Management-Base changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 0 |
| Total packages | 1 |

## 8.8. Text Editors-Integrated Development Environments (IDE)

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *eclipse-cdt-mylyn* | 5.0.2 | 6.0.0 | *http://www.eclipse.org/cdt* |
| *eclipse-cdt-sdk* | 5.0.2 | 6.0.0 | *http://www.eclipse.org/cdt* |
| *eclipse-jdt* | 3.4.2 | 3.5.1 | *http://www.eclipse.org/* |
| *eclipse-nls* | new | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-ar* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-bg* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-cs* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-da* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-de* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-el* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-en_AA* | new | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-en_AU* | new | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-es* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-et* | new | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-fi* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-fr* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-he* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-hi* | new | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-hu* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-it* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-ja* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-ko* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-mn* | new | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-nl* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-no* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *eclipse-nls-pl* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-pt* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-pt_BR* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-ro* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-ru* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-sv* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-tr* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-uk* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-zh* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-nls-zh_TW* | 0.2.0 | 3.5.0.v20090620043401 | *http://babel.eclipse.org/* |
| *eclipse-pde* | 3.4.2 | 3.5.1 | *http://www.eclipse.org/* |
| *eclipse-platform* | 3.4.2 | 3.5.1 | *http://www.eclipse.org/* |
| *eclipse-swt* | 3.4.2 | 3.5.1 | *http://www.eclipse.org/* |
| *icu4j-eclipse* | 3.8.1 | 4.0.1 | *http://www-306.ibm.com/software/globalization/icu/index.jsp* |

Table 64. All Text_Editors-Integrated_Development_Environments_(IDE) changes

| | |
|---|---|
| Packages changed | 39 |
| Packages unchanged | 1 |
| Total packages | 40 |

## 8.9. Text Processing-Markup-XML

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *writer2latex* | 0.5.0.2 | 1.0 | *http://writer2latex.sourceforge.net/* |

Table 65. All Text_Processing-Markup-XML changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 19 |
| Total packages | 20 |

## 8.10. User Interface

### 8.10.1. User Interface-Desktops

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *Terminal* | 0.2.12 | 0.4.2 | *http://www.xfce.org/projects/terminal/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *abrt-cli* | new | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-desktop* | new | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *abrt-gui* | 0.0.3 | 0.0.11 | *https://fedorahosted.org/abrt/* |
| *bespin* | new | 0.1 | *https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/* |
| *bespin-common* | new | 0.1 | *https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/* |
| *bespin-kdm-theme* | new | 0.1 | *https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/* |
| *bespin-kwin-theme* | new | 0.1 | *https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/* |
| *brasero-nautilus* | 2.26.1 | 2.28.2 | *http://www.gnome.org/projects/brasero/* |
| *ccsm* | 0.7.8 | 0.8.2 | *http://www.opencompositing.org* |
| *compiz* | 0.7.8 | 0.8.2 | *http://www.go-compiz.org* |
| *compiz-fusion* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |
| *compiz-fusion-extras* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |
| *compiz-fusion-extras-gnome* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |
| *compiz-fusion-gnome* | 0.7.8 | 0.8.2 | *http://compiz-fusion.org* |
| *compiz-gnome* | 0.7.8 | 0.8.2 | *http://www.go-compiz.org* |
| *compiz-kde* | 0.7.8 | 0.8.2 | *http://www.go-compiz.org* |
| *control-center* | 2.26.0 | 2.28.1 | *http://www.gnome.org* |
| *control-center-extra* | new | 2.28.1 | *http://www.gnome.org* |
| *desktop-effects* | new | 0.8.4 | *http://git.fedoraproject.org/git/desktop-effects.git* |
| *emerald* | 0.7.8 | 0.8.2 | *http://www.compiz-fusion.org/* |
| *eog* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/eog/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *eog-plugins* | new | 2.28.1 | *http://live.gnome.org/EyeOfGnome/Plugins* |
| *fedora-gnome-theme* | 8.0.0 | 12.3 | *http://www.redhat.com* |
| *file-browser-applet* | 0.6.1 | 0.6.4 | *http://code.google.com/p/gnome-menu-file-browser-applet/* |
| *gai* | 0.5.10 | dropped | *http://gai.sourceforge.net* |
| *gai-pal* | 0.7 | dropped | *http://gai.sourceforge.net* |
| *gai-temp* | 0.1.1 | dropped | *http://leidola.newcon.de/projekte/gai-temp/gai-temp-en.html* |
| *gdm-plugin-fingerprint* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gdm* |
| *gdm-plugin-smartcard* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gdm* |
| *gdm-user-switch-applet* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gdm* |
| *gigolo* | 0.3.1 | 0.3.2 | *http://goodies.xfce.org/projects/applications/gigolo/* |
| *glista* | new | 0.4 | *http://prematureoptimization.org/glista/* |
| *gnome-applet-alarm-clock* | new | 0.2.5 | *http://alarm-clock.pseudoberries.com* |
| *gnome-applet-cpufire* | new | 1.6 | *http://strongm.ath.cx/* |
| *gnome-applet-grandr* | new | 0.4.1 | *http://freshmeat.net/projects/grandr_applet* |
| *gnome-applet-jalali-calendar* | 1.6.7 | 1.6.8 | *http://home.gna.org/jalali-calendar* |
| *gnome-applet-sensors* | 2.2.1 | 2.2.4 | *http://sensors-applet.sourceforge.net/* |
| *gnome-applet-sshmenu* | 3.15 | 3.16 | *http://sshmenu.sourceforge.net/* |
| *gnome-applet-vm* | 0.2.0 | dropped | *https://fedorahosted.org/gnome-applet-vm* |
| *gnome-applets* | 2.26.1 | 2.28.0 | *http://www.gnome.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-colors-icon-theme* | new | 5.3 | *http://code.google.com/p/gnome-colors* |
| *gnome-icon-theme* | 2.26.0 | 2.28.0 | n/a |
| *gnome-netstatus* | 2.12.2 | 2.26.0 | *http://www.gnome.org* |
| *gnome-panel* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |
| *gnome-session* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |
| *gnome-shell* | new | 2.28.0 | *http://live.gnome.org/GnomeShell* |
| *gnome-terminal* | 2.26.1 | 2.28.1 | *http://www.gnome.org/* |
| *gnome-themes* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gnome-themes/* |
| *gnote* | 0.3.1 | 0.6.2 | *http://live.gnome.org/Gnote* |
| *gok* | 2.26.0 | 2.28.1 | *http://www.gok.ca/* |
| *google-gadgets* | 0.10.5 | 0.11.1 | *http://code.google.com/p/google-gadgets-for-linux/* |
| *google-gadgets-gtk* | 0.10.5 | 0.11.1 | *http://code.google.com/p/google-gadgets-for-linux/* |
| *google-gadgets-qt* | 0.10.5 | 0.11.1 | *http://code.google.com/p/google-gadgets-for-linux/* |
| *grsync* | 0.6.3 | 0.9.2 | *http://www.opbyte.it/grsync/* |
| *hicolor-icon-theme* | 0.10 | 0.11 | *http://icon-theme.freedesktop.org/wiki/HicolorTheme* |
| *icewm* | 1.2.36 | 1.2.37 | *http://www.icewm.org* |
| *icewm-clearlooks* | 1.2.36 | 1.2.37 | *http://www.icewm.org* |
| *icewm-gnome* | 1.2.36 | 1.2.37 | *http://www.icewm.org* |
| *icewm-xdgmenu* | 1.2.36 | 1.2.37 | *http://www.icewm.org* |
| *kde-colorscheme-plastik* | new | 0.1.2 | *http://www.kde-look.org/content/show.php/Plastik?content=89804* |
| *kde-l10n-Arabic* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Basque* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Bengali-India* | new | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Brazil* | 4.2.2 | 4.3.2 | *http://www.kde.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kde-l10n-British* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Bulgarian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Catalan* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Chinese* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Chinese-Traditional* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Czech* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Danish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Dutch* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Estonian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Finnish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-French* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Galician* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-German* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Greek* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Gujarati* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Hebrew* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Hindi* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Hungarian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Icelandic* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Irish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Italian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Japanese* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Kannada* | new | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Kashubian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Kazakh* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Khmer* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Korean* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Kurdish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Latvian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Lithuanian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-LowSaxon* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Macedonian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Maithili* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Malayalam* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Marathi* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Norwegian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kde-l10n-Norwegian-Nynorsk* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Polish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Portuguese* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Punjabi* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Romanian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Russian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Serbian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Slovak* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Slovenian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Spanish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Swedish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Tajik* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Thai* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Turkish* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Ukrainian* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-l10n-Walloon* | 4.2.2 | 4.3.2 | *http://www.kde.org* |
| *kde-plasma-quickaccess* | 0.7.1 | 0.8.1 | *http://www.kde-look.org/content/show.php/QuickAccess+(maintenance+fork)?content=101968* |
| *kde-plasma-runcommand* | 1.1 | 2.1 | *http://www.kde-look.org/content/show.php/Run+Command?content=91495* |
| *kde-plasma-stasks* | new | 0.5.1 | *http://www.kde-look.org/content/show.php/STasks?content=99739* |
| *kde-plasma-translatoid* | 0.6 | 1.0 | *http://www.kde-look.org/content/show.php/translatoid?content=97511* |
| *kde-plasma-xbar* | new | 0.1 | *https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/* |
| *kde-plasma-yawp* | new | 0.2.3 | *http://www.kde-look.org/content/show.php?content=94106* |
| *kde-style-phase* | new | 4.3.2 | *http://www.kde.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kde-style-skulpture* | 0.2.2 | 0.2.3 | *http://www.kde-look.org/content/show.php/Skulpture?content=59031* |
| *kdeaccessibility* | 4.2.2 | 4.3.2 | *http://accessibility.kde.org/* |
| *kdeadmin* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdeartwork* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-runtime* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-runtime-flags* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-workspace* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-workspace-akonadi* | new | 4.3.2 | *http://www.kde.org/* |
| *kdebase-workspace-googlegadgets* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-workspace-python-applet* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebase-workspace-wallpapers* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdebindings* | 4.2.2 | 4.3.2 | *http://developer.kde.org/language-bindings/* |
| *kdeplasma-addons* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *kdesdk* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *leonidas-kde-theme* | 11.0.1 | 11.0.3 | *https://fedorahosted.org/fedora-kde-artwork/* |
| *leonidas-kde-theme-landscape* | 11.0.1 | 11.0.3 | *https://fedorahosted.org/fedora-kde-artwork/* |
| *leonidas-kde-theme-lion* | 11.0.1 | 11.0.3 | *https://fedorahosted.org/fedora-kde-artwork/* |
| *lesstif-mwm* | 0.95.0 | 0.95.2 | *http://www.lesstif.org/* |
| *libgnomekbd-capplet* | 2.26.0 | 2.28.0 | *http://gswitchit.sourceforge.net* |
| *ltsp-client* | 5.1.72 | 5.1.91 | *http://www.ltsp.org* |
| *ltsp-server* | 5.1.72 | 5.1.91 | *http://www.ltsp.org* |
| *lxappearance* | 0.2 | 0.2.1 | *http://lxde.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lxde-common* | 0.3.2.1 | 0.4.2 | *http://lxde.sourceforge.net/* |
| *lxde-icon-theme* | new | 0.4.2 | *http://nuovext.pwsp.net/* |
| *lxde-settings-daemon* | new | 0.4 | *http://lxde.sourceforge.net/* |
| *lxinput* | new | 0.1.1 | *http://lxde.sourceforge.net/* |
| *lxlauncher* | 0.2 | 0.2.1 | *http://lxde.org/* |
| *lxmenu-data* | 0.1 | 0.1.1 | *http://lxde.org* |
| *lxpanel* | 0.4.0 | 0.5.3 | *http://lxde.sourceforge.net/* |
| *lxrandr* | new | 0.1.1 | *http://lxde.org/* |
| *lxsession* | new | 0.3.8 | *http://lxde.sourceforge.net/* |
| *lxsession-edit* | 0.1 | 0.1.1 | *http://lxde.org* |
| *lxshortcut* | new | 0.1.1 | *http://lxde.org* |
| *lxtask* | 0.1 | 0.1.1 | *http://lxde.sourceforge.net/* |
| *lxterminal* | 0.1.4 | 0.1.6 | *http://lxde.sourceforge.net/* |
| *metacity* | 2.26.0 | 2.28.0 | *http://download.gnome.org/sources/metacity/* |
| *moblin-cursor-theme* | new | 0.3 | *http://www.moblin.org* |
| *moblin-gtk-engine* | new | 1.0.2 | *http://www.moblin.org/* |
| *moblin-icon-theme* | new | 0.9 | *http://www.moblin.org/* |
| *moblin-session* | new | 0.12 | *http://www.moblin.org/* |
| *moblin-sound-theme* | new | 0.3 | *http://www.moblin.org/* |
| *mousetweaks* | 2.26.0 | 2.28.1 | *http://live.gnome.org/Mousetweaks/Home* |
| *multimedia-menus* | new | 0.3.1 | *https://fedorahosted.org/multimedia-menus/* |
| *mutter* | new | 2.28.0 | *http://git.gnome.org/cgit/mutter* |
| *mutter-moblin* | new | 0.39.3 | *http://www.moblin.org/* |
| *nautilus* | 2.26.3 | 2.28.1 | *http://projects.gnome.org/nautilus/* |
| *nautilus-actions* | 1.9 | 1.12.2 | *http://www.grumz.net/node/8* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *nautilus-beesu-manager* | 1.0 | 1.2 | *http://www.honeybeenet.altervista.org* |
| *nautilus-bzr* | 0.95.0 | 0.97.0 | *http://bazaar-vcs.org/bzr-gtk* |
| *nautilus-open-terminal* | 0.9 | 0.17 | *http://download.gnome.org/sources/nautilus-open-terminal/* |
| *nautilus-sendto* | 1.1.5 | 2.28.0 | *ftp://ftp.gnome.org/pub/gnome/sources/nautilus-sendto* |
| *nautilus-sound-converter* | 1.0.1 | 1.0.2 | *http://code.google.com/p/nautilus-sound-converter/* |
| *nuvola-icon-theme* | new | 4.3.2 | *http://www.kde.org/* |
| *orage* | 4.6.0 | 4.6.1 | *http://www.xfce.org/* |
| *orca* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/orca/* |
| *oxygen-cursor-themes* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *oxygen-icon-theme* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *pcmanfm* | 0.5 | 0.5.2 | *http://pcmanfm.sourceforge.net/* |
| *pinot* | 0.93 | 0.94 | *http://pinot.berlios.de/* |
| *polyester* | 2.0 | 2.0.0 | *http://www.kde-look.org/content/show.php?content=27968* |
| *qt4-theme-bespin* | new | 0.1 | *https://cloudcity.svn.sourceforge.net/svnroot/cloudcity/* |
| *redhat-menus* | 10.0.1 | 12.0.1 | *http://www.redhat.com* |
| *ristretto* | 0.0.21 | 0.0.22 | *http://goodies.xfce.org/projects/applications/ristretto/* |
| *seahorse* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/seahorse/* |
| *seahorse-plugins* | 2.26.1 | 2.28.1 | *http://projects.gnome.org/seahorse/* |
| *solar-kde-theme* | 0.1.17 | 0.1.19 | *https://fedorahosted.org/fedora-kde-artwork/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *sound-theme-freedesktop* | 0.2 | 0.7 | *http://www.freedesktop.org/wiki/Specifications/sound-theme-spec* |
| *sshmenu* | 3.15 | 3.16 | *http://sshmenu.sourceforge.net/* |
| *sugar* | 0.84.5 | 0.86.3 | *http://sugarlabs.org/* |
| *sugar-artwork* | 0.84.1 | 0.86.0 | *http://sugarlabs.org* |
| *terminator* | 0.12 | 0.13 | *http://www.tenshu.net/terminator* |
| *tigervnc* | 0.0.90 | 1.0.0 | *http://www.tigervnc.com* |
| *tomboy* | 0.14.1 | 1.0.0 | *http://projects.gnome.org/tomboy/* |
| *tracker-search-tool* | 0.6.94 | 0.6.95 | *http://projects.gnome.org/tracker/* |
| *uim-gnome* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-gtk2* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-qt* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-qt-common* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *uim-qt3* | 1.5.5 | 1.5.6 | *http://code.google.com/p/uim/* |
| *vino* | 2.26.1 | 2.28.1 | *http://www.gnome.org* |
| *xdg-user-dirs* | 0.10 | 0.11 | *http://freedesktop.org/wiki/Software/xdg-user-dirs* |
| *xfce4-cddrive-plugin* | new | 0.0.1 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-cddrive-plugin* |
| *xfce4-cellmodem-plugin* | new | 0.0.5 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-cellmodem-plugin* |
| *xfce4-clipman-plugin* | 0.9.1 | 1.1.1 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-clipman-plugin* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xfce4-dict* | 0.5.2 | 0.5.3 | *http://goodies.xfce.org/projects/applications/xfce4-dict* |
| *xfce4-dict-plugin* | 0.5.2 | 0.5.3 | *http://goodies.xfce.org/projects/applications/xfce4-dict* |
| *xfce4-mpc-plugin* | 0.3.3 | 0.3.4 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-mpc-plugin* |
| *xfce4-notes-plugin* | 1.6.4 | 1.7.1 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-notes-plugin* |
| *xfce4-notifyd* | new | 0.1.0 | *http://spuriousinterrupt.org/projects/xfce4-notifyd* |
| *xfce4-panel* | 4.6.1 | 4.6.2 | *http://www.xfce.org/* |
| *xfce4-places-plugin* | 1.1.0 | 1.2.0 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-places-plugin* |
| *xfce4-power-manager* | 0.8.0 | 0.8.4.1 | *http://goodies.xfce.org/projects/applications/xfce4-power-manager* |
| *xfce4-radio-plugin* | new | 0.4.1 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-radio-plugin* |
| *xfce4-screenshooter* | 1.5.1 | 1.6.0 | *http://goodies.xfce.org/projects/applications/xfce4-screenshooter* |
| *xfce4-screenshooter-plugin* | 1.5.1 | 1.6.0 | *http://goodies.xfce.org/projects/applications/xfce4-screenshooter* |
| *xfce4-session* | 4.6.0 | 4.6.1 | *http://www.xfce.org/* |
| *xfce4-session-engines* | 4.6.0 | 4.6.1 | *http://www.xfce.org/* |
| *xfce4-settings* | 4.6.1 | 4.6.3 | *http://www.xfce.org/* |

Table 66. All User_Interface-Desktops changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xfce4-weather-plugin* | 0.6.2 | 0.7.3 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-weather-plugin* |
| *xfce4-xkb-plugin* | 0.5.2 | 0.5.3.3 | *http://goodies.xfce.org/projects/panel-plugins/xfce4-xkb-plugin* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xfwm4-theme-nodoka* | 0.1 | 0.2 | *https://fedorahosted.org/nodoka/* |
| *xpad* | 3.0 | 4.0 | *http://xpad.sourceforge.net* |
| *xsettings-kde* | 0.9 | 0.11 | *http://svn.mandriva.com/cgi-bin/viewvc.cgi/soft/theme/xsettings-kde/* |
| *yakuake* | 2.9.4 | 2.9.6 | *http://extragear.kde.org/apps/yakuake/* |

Table 67. All User_Interface-Desktops changes (cont'd)

| | |
|---|---|
| Packages changed | 229 |
| Packages unchanged | 189 |
| Total packages | 418 |

## 8.10.2. User Interface-Desktop

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *gnome-session-xsession* | 2.26.1 | 2.28.0 | *http://www.gnome.org* |

Table 68. All User_Interface-Desktop changes

| | |
|---|---|
| Packages changed | 1 |
| Packages unchanged | 0 |
| Total packages | 1 |

## 8.10.3. User Interface-X Hardware Support

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *easystroke* | new | 0.4.9 | *http://easystroke.sourceforge.net/* |
| *em8300-utils* | 0.17.2 | 0.17.3 | *http://dxr3.sourceforge.net/* |
| *florence* | 0.4.0 | 0.4.3 | *http://florence.sourceforge.net* |
| *gnome-lirc-properties* | 0.3.1 | 0.4.0 | *http://svn.gnome.org/svn/gnome-lirc-properties/trunk* |
| *mesa-dri-drivers* | 7.5 | 7.6 | *http://www.mesa3d.org* |
| *razertool* | new | 0.0.7 | *http://razertool.sourceforge.net/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xorg-x11-drv-acecad* | 1.3.0 | 1.4.0 | *http://www.x.org* |
| *xorg-x11-drv-aiptek* | 1.2.0 | 1.3.0 | *http://www.x.org* |
| *xorg-x11-drv-apm* | 1.2.1 | 1.2.2 | *http://www.x.org* |
| *xorg-x11-drv-ast* | 0.87.0 | 0.89.9 | *http://www.x.org* |
| *xorg-x11-drv-ati* | 6.12.2 | 6.13.0 | *http://www.x.org* |
| *xorg-x11-drv-chips* | 1.2.1 | 1.2.2 | *http://www.x.org* |
| *xorg-x11-drv-cirrus* | 1.2.0 | 1.3.2 | *http://www.x.org* |
| *xorg-x11-drv-dummy* | 0.3.1 | 0.3.2 | *http://www.x.org* |
| *xorg-x11-drv-evdev* | 2.2.1 | 2.3.0 | *http://www.x.org* |
| *xorg-x11-drv-fbdev* | 0.4.0 | 0.4.1 | *http://www.x.org* |
| *xorg-x11-drv-geode* | 2.11.2 | 2.11.4.1 | *http://www.x.org/wiki/AMDGeodeDriver* |
| *xorg-x11-drv-glint* | 1.2.2 | 1.2.4 | *http://www.x.org* |
| *xorg-x11-drv-i128* | 1.3.0 | 1.3.3 | *http://www.x.org* |
| *xorg-x11-drv-i740* | 1.2.0 | 1.3.2 | *http://www.x.org* |
| *xorg-x11-drv-intel* | 2.7.0 | 2.9.1 | *http://www.x.org* |
| *xorg-x11-drv-ivtv* | 1.0.1 | 1.1.0 | *http://ivtvdriver.org* |
| *xorg-x11-drv-keyboard* | 1.3.2 | 1.3.99.1 | *http://www.x.org* |
| *xorg-x11-drv-mach64* | 6.8.0 | 6.8.2 | *http://www.x.org* |
| *xorg-x11-drv-mga* | 1.4.10 | 1.4.11 | *http://www.x.org* |
| *xorg-x11-drv-mouse* | 1.4.0 | 1.4.99.1 | *http://www.x.org* |
| *xorg-x11-drv-neomagic* | 1.2.2 | 1.2.4 | *http://www.x.org* |
| *xorg-x11-drv-nouveau* | 0.0.12 | 0.0.15 | *http://www.x.org* |
| *xorg-x11-drv-nv* | 2.1.13 | 2.1.15 | *http://www.x.org* |
| *xorg-x11-drv-openchrome* | 0.2.903 | 0.2.904 | *http://www.openchrome.org* |
| *xorg-x11-drv-r128* | 6.8.0 | 6.8.1 | *http://www.x.org* |
| *xorg-x11-drv-rendition* | 4.2.1 | 4.2.2 | *http://www.x.org* |
| *xorg-x11-drv-s3* | 0.6.1 | 0.6.3 | *http://www.x.org* |
| *xorg-x11-drv-s3virge* | 1.10.2 | 1.10.4 | *http://www.x.org* |
| *xorg-x11-drv-savage* | 2.2.1 | 2.3.1 | *http://www.x.org* |
| *xorg-x11-drv-siliconmotion* | 1.7.0 | 1.7.3 | *http://www.x.org* |
| *xorg-x11-drv-sis* | 0.10.1 | 0.10.2 | *http://www.x.org* |
| *xorg-x11-drv-sisusb* | 0.9.1 | 0.9.3 | *http://www.x.org* |
| *xorg-x11-drv-synaptics* | 1.1.0 | 1.1.99 | *http://www.x.org* |
| *xorg-x11-drv-tdfx* | 1.4.1 | 1.4.3 | *http://www.x.org* |
| *xorg-x11-drv-trident* | 1.3.1 | 1.3.3 | *http://www.x.org* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *xorg-x11-drv-tseng* | 1.2.1 | 1.2.2 | *http://www.x.org* |
| *xorg-x11-drv-vesa* | 2.2.0 | 2.2.1 | *http://www.x.org* |
| *xorg-x11-drv-vmmouse* | 12.6.3 | 12.6.5 | *http://www.x.org* |
| *xorg-x11-drv-vmware* | 10.16.0 | 10.16.7 | *http://www.x.org* |
| *xorg-x11-drv-void* | 1.2.0 | 1.3.0 | *http://www.x.org* |
| *xorg-x11-drv-voodoo* | 1.2.1 | 1.2.3 | *http://www.x.org* |
| *zbar* | new | 0.8 | *http://sourceforge.net/projects/zbar* |

Table 69. All User_Interface-X_Hardware_Support changes

| | |
|---|---|
| Packages changed | 48 |
| Packages unchanged | 14 |
| Total packages | 62 |

## 8.10.4. User Interface-X

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *adf-accanthis-2-fonts* | new | 1.6 | *http://arkandis.tuxfamily.org/adffonts.html* |
| *adf-accanthis-3-fonts* | new | 1.6 | *http://arkandis.tuxfamily.org/adffonts.html* |
| *adf-accanthis-fonts* | new | 1.6 | *http://arkandis.tuxfamily.org/adffonts.html* |
| *adf-accanthis-fonts-common* | new | 1.6 | *http://arkandis.tuxfamily.org/adffonts.html* |
| *apa-new-athena-unicode-fonts* | new | 3.4 | *http://apagreekkeys.org/NAUdownload.html* |
| *apanov-heuristica-fonts* | 20090125 | 0.2 | *ftp://ftp.dvo.ru/pub/Font/heuristica/* |
| *argyllcms* | 1.0.3 | 1.0.4 | *http://www.argyllcms.com/* |
| *argyllcms-doc* | 1.0.3 | 1.0.4 | *http://www.argyllcms.com/* |
| *bpg-excelsior-fonts* | new | 2.025 | *http://groups.google.com/group/bpg-fonts* |
| *cave9-mutante-fonts* | new | 0.3 | *http://code.google.com/p/cave9* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *cjkuni-fonts-common* | 0.2.20080216.1 | dropped | *http://www.freedesktop.org/wiki/Software/CJKUnifonts* |
| *conakry-fonts* | new | 20070829 | *http://www.evertype.com/fonts/nko/* |
| *conky* | 1.6.1 | 1.7.2 | *http://conky.sf.net/* |
| *culmus-aharoni-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-caladings-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-david-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-drugulin-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-ellinia-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-fonts-common* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-fonts-compat* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-frank-ruehl-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-miriam-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-miriam-mono-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-nachlieli-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *culmus-yehuda-clm-fonts* | 0.102 | 0.103 | *http://culmus.sourceforge.net* |
| *dejavu-fonts-common* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dejavu-lgc-sans-fonts* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dejavu-lgc-sans-mono-fonts* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dejavu-lgc-serif-fonts* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dejavu-sans-fonts* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dejavu-sans-mono-fonts* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dejavu-serif-fonts* | 2.29 | 2.30 | *http://dejavu-fonts.org/* |
| *dogtail* | 0.6.90 | 0.7.0 | *http://dogtail.fedorahosted.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *doxygen-doxywizard* | 1.5.8 | 1.6.1 | *http://www.stack.nl/~dimitri/doxygen/index.html* |
| *dzen2* | new | 0.8.5 | *http://gotmor.googlepages.com/dzen* |
| *fontmatrix* | 0.5.0 | 0.6.99 | *http://www.fontmatrix.net/* |
| *freecol-imperator-fonts* | 0.8.1 | 0.8.3 | *http://www.freecol.org/* |
| *freecol-shadowedblack-fonts* | 0.8.1 | 0.8.3 | *http://www.freecol.org/* |
| *gdm* | 2.26.1 | 2.28.1 | *http://download.gnome.org/sources/gdm* |
| *gfs-decker-fonts* | new | 20090618 | *http://www.greekfontsociety.gr/pages/en_typefaces19th.html* |
| *gfs-pyrsos-fonts* | new | 20090618 | *http://www.greekfontsociety.gr/pages/en_typefaces20th.html* |
| *google-droid-fonts-common* | 1.0.112 | 20090906 | *http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts* |
| *google-droid-sans-fonts* | 1.0.112 | 20090906 | *http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts* |
| *google-droid-sans-mono-fonts* | 1.0.112 | 20090906 | *http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts* |
| *google-droid-serif-fonts* | 1.0.112 | 20090906 | *http://android.git.kernel.org/?p=platform/frameworks/base.git;a=tree;f=data/fonts* |
| *gxmessage* | new | 2.12.4 | *http://homepages.ihug.co.nz/~trmusson/programs.html#gxmessage* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *inkboy-fonts* | new | 20070624 | *http://inkboy.fr/html/telechargement-ressources.php* |
| *kacst-art-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-book-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-decorative-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-digital-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-farsi-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-fonts-common* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-letter-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-naskh-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-office-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-one-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-pen-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-poster-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-qurn-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-screen-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *kacst-title-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kacst-titlel-fonts* | new | 2.0 | *http://www.arabeyes.org/resources.php* |
| *kdm* | 4.2.2 | 4.3.2 | *http://www.kde.org/* |
| *krb5-auth-dialog* | 0.8 | 0.13 | *https://honk.sigxcpu.org/piki/projects/krb5-auth-dialog/* |
| *lcdf-typetools* | new | 2.79 | *http://www.lcdf.org* |
| *ldm* | 2.0.33 | 2.0.46 | *https://code.launchpad.net/~ltsp-upstream/ltsp/ldm-trunk* |
| *ldminfod* | 2.0.33 | 2.0.46 | *https://code.launchpad.net/~ltsp-upstream/ltsp/ldm-trunk* |
| *liberation-fonts-common* | 1.04.93 | 1.05.1.20090721 | *https://fedorahosted.org/liberation-fonts/* |
| *liberation-mono-fonts* | 1.04.93 | 1.05.1.20090721 | *https://fedorahosted.org/liberation-fonts/* |
| *liberation-sans-fonts* | 1.04.93 | 1.05.1.20090721 | *https://fedorahosted.org/liberation-fonts/* |
| *liberation-serif-fonts* | 1.04.93 | 1.05.1.20090721 | *https://fedorahosted.org/liberation-fonts/* |
| *lilyterm* | new | 0.9.6 | *http://lilyterm.luna.com.tw* |
| *linux-libertine-fonts* | 4.1.8 | 4.4.1 | *http://linuxlibertine.sf.net* |
| *lklug-fonts* | 0.2.2 | 0.6 | *http://sinhala.sourceforge.net/* |
| *lohit-assamese-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-bengali-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-fonts-common* | 2.3.8 | dropped | *https://fedorahosted.org/lohit/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *lohit-gujarati-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-hindi-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-kannada-fonts* | 2.3.8 | 2.4.4 | *https://fedorahosted.org/lohit/* |
| *lohit-kashmiri-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-konkani-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-maithili-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-malayalam-fonts* | 2.3.8 | 2.4.4 | *https://fedorahosted.org/lohit/* |
| *lohit-marathi-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-nepali-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-oriya-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-punjabi-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-sindhi-fonts* | 2.3.8 | 2.4.3 | *https://fedorahosted.org/lohit/* |
| *lohit-tamil-fonts* | 2.3.8 | 2.4.4 | *https://fedorahosted.org/lohit/* |
| *lohit-telugu-fonts* | 2.3.8 | 2.4.4 | *https://fedorahosted.org/lohit/* |
| *mscore-fonts* | new | 0.9.5 | *http://musescore.org/en* |
| *nethack-bitmap-fonts* | new | 3.4.3 | *http://nethack.org* |
| *nethack-bitmap-fonts-core* | new | 3.4.3 | *http://nethack.org* |
| *nted-ntedfont-fonts* | 1.5.0 | 1.8.1 | *http://vsr.informatik.tu-chemnitz.de/staff/jan/nted/nted.xhtml* |
| *oflb-notcouriersans-fonts* | new | 1.1 | *http://openfontlibrary.org/media/files/OSP/411* |
| *openoffice.org-opensymbol-fonts* | 3.1.0 | 3.1.1 | *http://www.openoffice.org/* |
| *paktype-fonts-common* | new | 2.0 | *https://sourceforge.net/projects/paktype/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *paktype-naqsh-fonts* | new | 2.0 | *https://sourceforge.net/projects/paktype/* |
| *paktype-tehreer-fonts* | new | 2.0 | *https://sourceforge.net/projects/paktype/* |
| *pothana2000-fonts* | new | 1.3.1 | *http://www.kavya-nandanam.com/dload.htm* |
| *roxterm* | 1.14.1 | 1.15.2 | *http://roxterm.sourceforge.net/* |
| *saab-fonts* | new | 0.91 | *http://guca.sourceforge.net/typography/fonts/saab/* |
| *sakura* | new | 2.3.3 | *http://pleyades.net/david/sakura.php* |
| *senamirmir-washra-fantuwua-fonts* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-fonts* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-fonts-common* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-hiwua-fonts* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-jiret-fonts* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-tint-fonts* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-wookianos-fonts* | new | 4.1 | *http://www.senamirmir.org/projects/typography/typeface.html* |
| *senamirmir-washra-yebse-fonts* | new | 4.1 | *http://www.senamirmir.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | projects/typography/typeface.html |
| senamirmir-washra-yigezu-bisrat-goffer-fonts | new | 4.1 | http://www.senamirmir.org/projects/typography/typeface.html |
| senamirmir-washra-yigezu-bisrat-gothic-fonts | new | 4.1 | http://www.senamirmir.org/projects/typography/typeface.html |
| senamirmir-washra-zelan-fonts | new | 4.1 | http://www.senamirmir.org/projects/typography/typeface.html |
| sil-charis-compact-fonts | new | 4.106 | http://scripts.sil.org/CharisSILFont |
| sil-charis-fonts | 4.104 | 4.106 | http://scripts.sil.org/CharisSILFont |
| smc-anjalioldlipi-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-dyuthi-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-fonts-common | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-kalyani-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-meera-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-rachana-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-raghumalayalam-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| smc-suruma-fonts | 04.1 | 04.2 | http://savannah.nongnu.org/projects/smc |
| termit | new | 2.2.0 | http://termit.googlecode.com/ |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *thai-scalable-fonts-common* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-fonts-compat* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-garuda-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-kinnari-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-loma-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-norasi-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-purisa-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-sawasdee-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-tlwgmono-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-tlwgtypewriter-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-tlwgtypist-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-tlwgtypo-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-umpush-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *thai-scalable-waree-fonts* | 0.4.11 | 0.4.12 | *http://linux.thai.net/projects/thaifonts-scalable* |
| *tigervnc-server* | 0.0.90 | 1.0.0 | *http://www.tigervnc.com* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *tigervnc-server-module* | 0.0.90 | 1.0.0 | *http://www.tigervnc.com* |
| *un-core-batang-fonts* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *un-core-dinaru-fonts* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *un-core-dotum-fonts* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *un-core-fonts-common* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *un-core-graphic-fonts* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *un-core-gungseo-fonts* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *un-core-pilgi-fonts* | new | 1.0.2 | *http://kldp.net/projects/unfonts/* |
| *vemana2000-fonts* | new | 1.1.1 | *http://www.kavya-nandanam.com/dload.htm* |
| *vlgothic-fonts* | 20090204 | 20090612 | *http://dicey.org/vlgothic* |
| *vlgothic-fonts-common* | 20090204 | 20090612 | *http://dicey.org/vlgothic* |
| *vlgothic-p-fonts* | 20090204 | 20090612 | *http://dicey.org/vlgothic* |
| *vte* | 0.20.1 | 0.22.2 | n/a |
| *wmfire* | new | 1.2.3 | *http://www.swanson.ukfsn.org/* |

Table 70. All User_Interface-X changes

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| *woodardworks-laconic-fonts* | new | 001.001 | *http://www.woodardworks.com/type13.html* |
| *woodardworks-laconic-shadow-fonts* | new | 001.001 | *http://www.woodardworks.com/type13.html* |
| *xdotool* | 20090126 | 20090815 | *http://www.semicomplete.com/projects/xdotool/* |
| *xkeyboard-config* | 1.5 | 1.6 | *http://www.freedesktop.org/wiki/Software/XKeyboardConfig* |
| *xmonad* | new | 0.8.1 | *http://hackage.haskell.org/* |

| Package | Old Version | New Version | Upstream URL |
|---|---|---|---|
| | | | *cgi-bin/hackage-scripts/package/xmonad* |
| *xorg-x11-apps* | 7.3 | 7.4 | *http://www.x.org* |
| *xorg-x11-server-Xephyr* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xorg-x11-server-Xnest* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xorg-x11-server-Xorg* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xorg-x11-server-Xvfb* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xorg-x11-server-common* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xorg-x11-server-devel* | 1.6.1.901 | 1.7.1 | *http://www.x.org* |
| *xorg-x11-xkb-extras* | new | 7.4 | *http://www.x.org* |
| *xorg-x11-xkb-utils* | 7.2 | 7.4 | *http://www.x.org* |
| *xscope* | new | 1.2 | *http://cgit.freedesktop.org/xorg/app/xscope/* |
| *xterm* | 242 | 248 | *http://dickey.his.com/xterm* |

Table 71. All User_Interface-X changes (cont'd)

| | |
|---|---|
| Packages changed | 172 |
| Packages unchanged | 289 |
| Total packages | 461 |

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# B. Revision History

- 0.10 Fri 20 Nov 2009 Rüdiger Landmann *r.landmann@redhat.com*
  Correction to policy changes in bug #534047 (via Eric Christensen)
- 0.9 Thu 19 Nov 2009 John McDonough *jjmcd@fedoraproject.org*
  Slight changes to policy changes in bug #534047
- 0.8 Wed 18 Nov 2009 John McDonough *jjmcd@fedoraproject.org*
  Admonition about policy change that allows users to install signed packages without authentication.
- 0.7 Mon 16 Nov 2009 John McDonough *jjmcd@fedoraproject.org*
  Multiple small typos
- 0.6 Mon 9 Nov 2009 John McDonough *jjmcd@fedoraproject.org*
  Rework revision history so that it works properly in help
  Include pointer to Fedora 12 Talking Points (bug #533574)
  Note addition of sandbox -X (bug #533585)
  Describe DisplayPort (bug #533578)
  Correct typo on filename in File Systems section (bug #532448)
  Note how to try out Moblin Desktop (bug #533577)
  Update AllChanges to latest rawhide
- 0.5 Tue 27 Oct 2009 John McDonough *jjmcd@fedoraproject.org*
  Wiki updates to Development Languages
  Bug 530199, 529401, 525287, 529401, 524505
  Update table to current rawhide
- 0.4 Mon 26 Oct 2009 John McDonough *jjmcd@fedoraproject.org*

[1] http://fedoraproject.org/wiki/Legal

Wiki updates to Desktop
Wiki updates to I18n
Wiki updates to Virtualization
Wiki updates to Web Servers
Wiki updates to File Systems

- 0.3 Fri 04 Sep 2009 John McDonough *jjmcd@fedoraproject.org*
  Add section for all changes
- 0.2 Thu 03 Sep 2009 John McDonough *jjmcd@fedoraproject.org*
  Test adding index entries to help users find specific packages among beats
  Change editor to the team
- 0.1 Thu 30 Jul 2009 Rüdiger Landmann *r.landmann@redhat.com*
  Clean sheet

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