

# Fedora 10 Release Announcement



## Fedora 10 "Cambridge"

Cambridge was the Red Hat project that went on to form Fedora Core and it was the release name for Fedora Core 1. Now with Fedora 10, Red Hat has gone full-circle and its codename is Cambridge. This codename was voted on by Fedora contributors and among the other contenders were Farnsworth, Nitrate, Saltpetre, Terror, and Whiskey Run.

Red Hat's Jesse Keating has just announced the availability of the Fedora 10 "Cambridge" Preview release. Fedora 10 is scheduled to be officially released on the 25th of November and this preview release is the final build before going gold.

Among the many improvements in Fedora 10 includes the introduction of Plymouth, major PulseAudio reworks, improved virtualization, an enriched kernel-based mode-setting experience, and RPM updates. More information on Fedora 10 is available in [Fedora 10 Prepares for Development Freeze](#), [Fedora 10 Cambridge Beta](#), and our [Fedora 10 Alpha Preview](#).

## Technical Details

### Network Manager

Connection sharing makes it possible for one Fedora system to become a collaboration hub for everyone. With a single wired or mobile broadband connection, and a few mouse clicks, the user can create a new wireless ad-hoc network on a separate wireless network interface, which other nearby machines can use for Internet access.

### PackageKit

PackageKit has taken the next step on its development roadmap, with the first in a series of features that will enhance the free software desktop experience. PackageKit can now use a set of dependency information provided in RPM packages to search for codecs for supported media. PackageKit uses the repository configuration on the host machine to determine search locations, and after authorization by the user, installs and plays the media. In the Fedora 11 timeframe and beyond, PackageKit will develop additional capabilities for installing fonts and applications in the same fashion. These changes will give Fedora users an experience that surpasses every other operating system thanks to the openness of free software.

### Plymouth/Faster Boot

Starting the legacy RHGB takes quite a bit of time, memory and disk activity. It requires numerous graphical user interface pieces to load just a few messages and a progress bar and slows down booting significantly. The kernel's new mode setting capability makes it possible to speed up the boot process, and offer a pleasant visual experience with crossfading. The full beauty of the loader in its initial Fedora 10 release will be best appreciated by people with recent ATI video cards, but Plymouth is being actively improved to extend the experience for even more users.

## RPM 4.6

The first major update to RPM in a number of years, this upgrade contains an enormous number of bug fixes, enhancements, and new features such as much larger package sizes, better error handling and syntax checking, and experimental handling of more tightly compressed LZMA payloads.

## Virtualization Improvements

This release features substantial improvements in remote installation and management of virtual hosts, and enhancements to storage provisioning. These new features enable centralization, automation and delegation in environments that rely heavily on virtualization.

## Appliance Tools

The Appliance OS (AOS) and the Appliance Creation Tool (ACT), combined with the new "FEDORA REMIX" mark, allow OEMs, developers, and ISVs to create new and exciting offerings using comfortable and well-documented Fedora tools as a baseline. Users can combine outside technologies with Fedora's enormous universe of free and open source software to build innovative and useful appliances. The Fedora Remix mark allows appliance builders to credit and drive interest in the Fedora Project, which helps advance the infrastructure on which they base their creations. More information is available at the Thincrust site.

## SecTool

This release of Fedora includes a new security auditing system that you can use to detect problems on your system before they become an even bigger problem. SecTool comes with a variety of tests to run against your system in text or graphical modes to assess security, but it is also incredibly modular so you can write tests to accommodate your special needs.

## New Design

"Solar" Theme - Created by the Fedora Artwork team, this fresh and exciting new look for Fedora generates as much buzz energy as the nuclear furnace of a blue super giant star. As with Waves and other previous Fedora themes, Solar has been created with free and open source tools and sources by a partnership of artists and designers in the community.

GNOME 2.24 - Refer to the GNOME 2.24 release notes for complete information. Among the highlights:

- New applets like the time tracker and a more powerful deskbar
- A compact list view and tabbed browser support in the Nautilus file manager
- The all-new Ekiga 3.0 telephony and videoconferencing application, which is built to be presence-aware and a better way to reach people using voice-over-IP protocols such as SIP.

KDE 4.1.2 - Refer to the KDE 4.1.2 release announcement and the original KDE 4.1 announcement for complete information. Highlights include:

- Restored and integrated KDE-PIM for complete personal data organization
- New features in the Dolphin file manager and Konqueror web browser
- Improvements to the compositing window manager
- A globe application that interfaces with OpenStreetMap
- Glitch-free audio - PulseAudio is a sound system that handles multiple sources and destinations including over networks. PulseAudio in Fedora 10 is now more responsive due to its new low-latency design, but also consumes less power.

## Solar Design



## Fedora 10 – Booting DVD



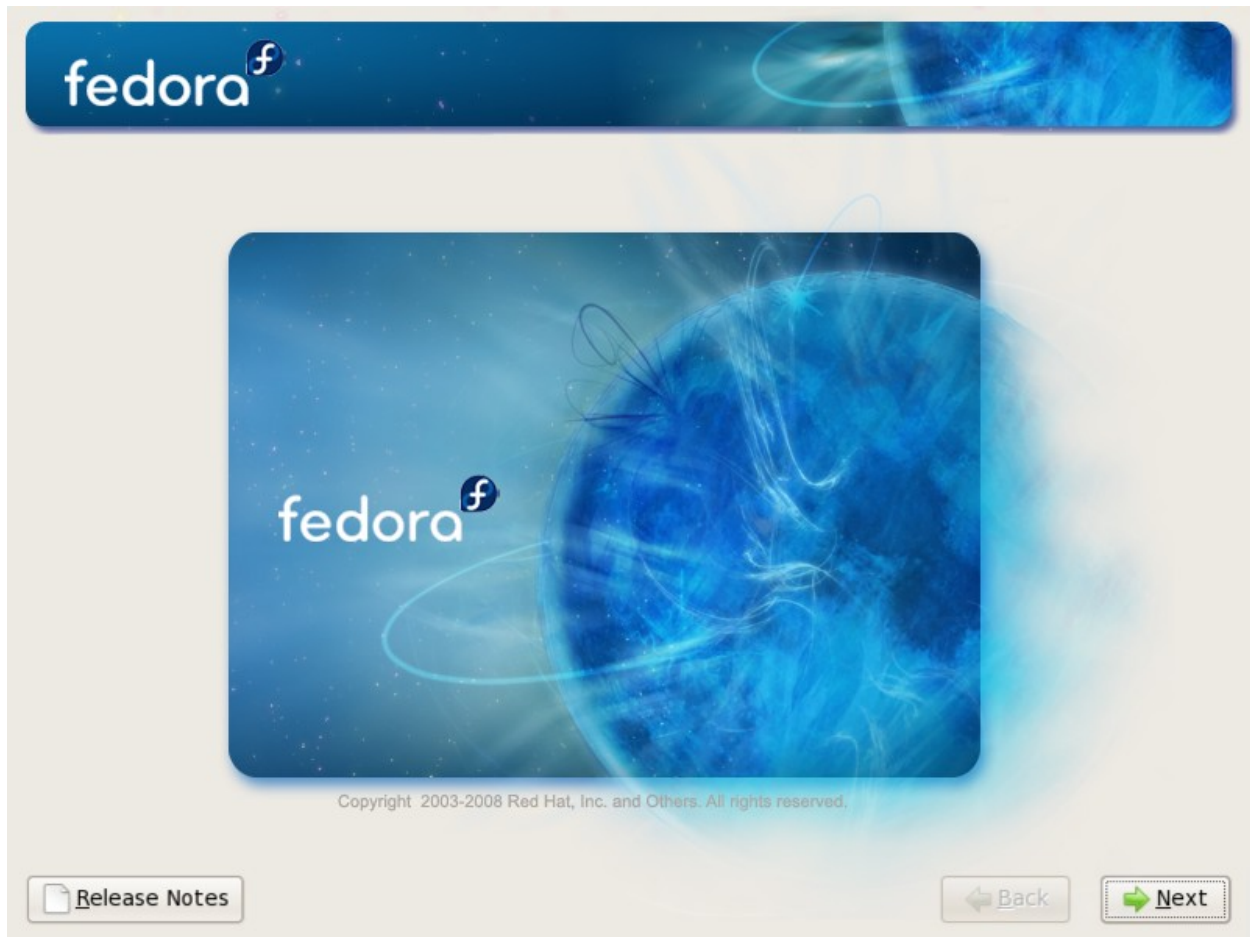
## Fedora 10 - Installation Startup



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## Fedora 10 – Anaconda Installer





## Fedora 10 - Installing Packages



## Fedora 10 – GNOME Startup



## Fedora 10 – Login Screen



