fedora 12
RELEASE NOTES

FREEDOM.

FRIENDS.

FEATURES.

FIRST.

FEDORA: UNITING COMMUNITY, TECHNOLOGY & FREEDOM.

Fedora is a Linux-based operating system that brings the latest in free and open source software to your desktop, laptop and server. Fedora is built by people across the globe who work together as a community: the Fedora Project.

Fedora is free to use, modify, and distribute, and includes software that helps you work, play, organize, and socialize.

HOW DO I GET STARTED?

Intrigued? Want to give Fedora 12 a try?.

You can download a LiveCD regardless of what operating system you're running. This will give you a working version of Fedora, complete with common applications, all running off your CD drive - your hard drive won't be touched at all. And when you're ready, installation is just a click away.

Get Fedora today at:

■ **get.fedoraproject.org.**

If you're running Fedora 11, upgrading is easy. Refer to our handy documentation for help:

■ **docs.fedoraproject.org**

HELP MAKE FEDORA!

Want to join the Fedora community and help us make the best Linux distribution even better? Our diverse worldwide community welcomes contributors of all types. From artists to marketers to coders to testers to writers to translators and more, you can get involved.

■ **join.fedoraproject.org**

WHAT'S NEW IN FEDORA 12?

Fedora 12 (Constantine) is filled with improvements that make Linux better than ever for all types of users. On the reverse side of this page, you'll learn about a few of the new things you can expect to see when you try out Fedora 12.

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FOR DESKTOP USERS

Fedora features **Empathy**, an instant messenger that supports chat, video, and audio. You can talk to your friends who are on AIM, Yahoo, Google Chat, Jabber, Live (MSN), MySpace, and many other platforms. By taking advantage of the latest improvements in webcam and video support embedded in Fedora 12, Empathy lets you experience the next generation of IM.

Support for Bluetooth audio devices lets you enjoy audio on your computer without the hassle of wires. You can stand right up and dance your heart out (or go get a cup of coffee) without missing a beat! Start a voice chat with friends online, or chill out with some tunes in Rhythmbox..

Fedora's also got great support for many of the devices you use every day. Connect your mobile MP3 player, PDA, or smartphone, and let Fedora 12 unite all your digital entertainment.

NetworkManager helps you get online and stay online when you're on the go. With expanded support for mobile broadband, easy Bluetooth phone tethering, and integrated password management, NetworkManager makes surfing and communicating just a click away. Other improvements include:

- IPv6 for next-generation networking
- Better support for shared, static, and system-wide network connections
- A redesigned interface that is simpler to use and understand

PackageKit finds software for you, whether you're looking to deal with files from friends or just want to explore the over 15,000 packages that Fedora provides for free. You can install entire groups of related software in just a couple clicks, and PackageKit helps you keep your system secure and up to date through ts subtle but effective alert system. Package Kit is even more helpful in Fedora 12, including:

- A refined interface that is more responsive and informative
- Support for installing packages directly from the web browser
- Supports GNOME and KDE
- An available command-line plugin that finds software to support new commands when you run them

Better **tablet support** allows you to enjoy pressure-sensitive drawing out-of-the-box!

- Inkscape's pen presets tool which lets you choose from preset pens to draw with and lets you to create and save your own pen styles.
- Gimp's brush dynamics tool allows you to control how velocity and pressure of the pen affects the opacity, color, hardness, and size of brush strokes.
- Cell writer handwriting recognition lets you input text without having to use a keyboard.
- Xournal allows you to jot notes on, highlight, and sign PDF documents.

There's lots of little fixes as well: clearer, more navigable menu bars, a fresh desktop background theme, Icons that help you find your special content folders quickly, and much more!

Office productivity made easy: no matter what you do -- email, web browsing, office applications, graphic design, robotics, electronic design automation, project management, personal databases, amateur radio, webcomics — you'll find it all here.

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FOR SYSTEM ADMINISTRATORS:
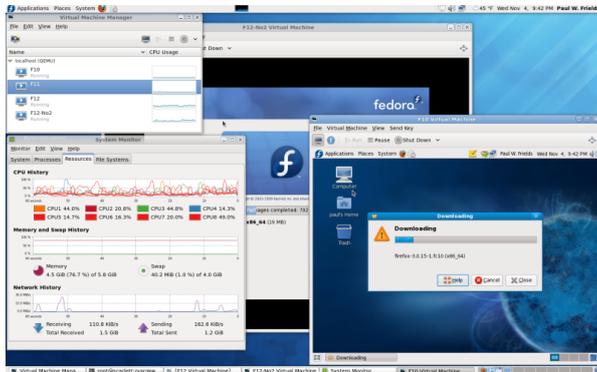
Fedora 12 gives you the future first. The technologies that make open source the platform of choice for savvy system administrators are all here. Fast, stable, secure, and ready for you to work your magic.

A number of improvements are included in Fedora 12 to make your life easier. A new initial ramdisk setup tool called Dracut helps keep boot time as low as possible. There's now ext4 support for GRUB, and Kernel Mode Setting (KMS) is enabled by default on systems with NVIDIA, ATI and Intel video cards for a faster and smoother graphical boot.

For those who use Samba, the addition of GFS2 Clustered Samba and improvements in HA (high availability) clustering makes sharing data across machines easier and more reliable. Fedora 12 also features constant security updates for bulletproof systems, and a number of virtualization improvements have emerged with this release that use memory more efficiently, provide more flexible hardware and network solutions, and boost the performance of virtual guest disk images. You can even create scripts to perform complex tasks directly on guest disk images. Fedora 12 helps you unite all the diverse cultures of your virtual guests into a single functional system.

FOR DEVELOPERS:
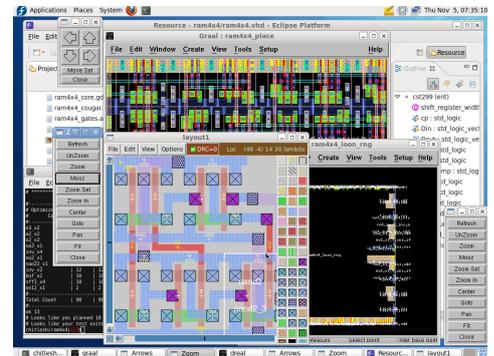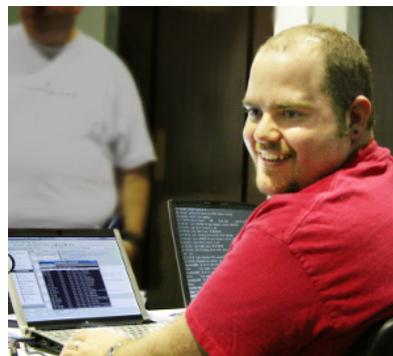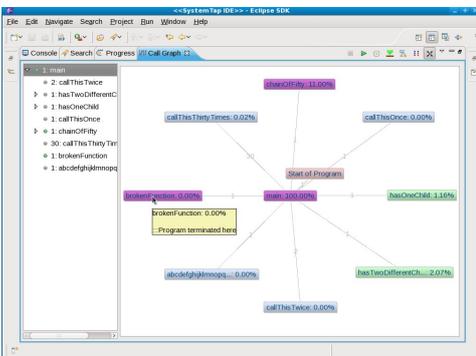
For developers, Fedora 12 includes a rich set of development tools, including all popular programming languages, IDEs, and an extensive set of libraries. The most recent versions of emacs, mercurial, and php are included - no need to worry about downloading the latest and greatest, we've got them all. And for developers using Eclipse, version 3.5.1 (Galileo) is included in Fedora 12, along with more Eclipse plug-ins than ever before. And these features are all in addition to the world's most popular web, SQL and application servers, creating a complete development and production environment in one easy-to-use platform.

For more information, please visit:
WWW.FEDORAPROJECT.ORG