

Fedora 22 Arrives, Brings Additional Innovations to Cloud, Server and Workstation Deployments

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Latest version of the open source Fedora operating system delivers new container enhancements, server roles, developer tools and desktop refinements

RALEIGH, N.C.--(BUSINESS WIRE)-- The Fedora Project, a Red Hat, Inc., sponsored and community-driven open source collaboration, today announced the general availability of Fedora 22, the newest release of the open and freely-available Fedora operating system. Fedora 22 once again delivers on the Fedora.next initiative, which established three distinct editions of Fedora - Fedora Cloud, Fedora Server, and Fedora Workstation. After extensive work in delivering the first distribution to embrace Fedora.next (Fedora 21), Fedora 22 marks a return to Fedora's traditional six month release cadence.

The general availability of Fedora 22 takes the innovations delivered by Fedora 21 and enhances them to deliver better overall usability and flexibility. From Linux container deployments to database servers to desktop development, Fedora 22 delivers many refinements that support the Fedora Project's mission to deliver open source innovation on a user-friendly platform.

Underneath each of the editions, Fedora 22 provides a set of foundational packages, including the Linux kernel, RPM, systemd, and Anaconda. Fedora 22 also introduces an updated package manager for RPM-based Linux distributions: DNF. Fedora Server and Cloud users can expect to see faster results from DNF while retaining command-line interface (CLI) compatibility with Yum for most tasks.

Fedora 22 Cloud

The Fedora 22 Cloud working group has delivered several new features and images designed to help developers and users use Fedora in public and private clouds. The Fedora 22 Atomic Host images now include the Atomic command, a coherent entry point for managing hosts and containers. It also includes several improvements to rpm-ostree, and updated versions of Cockpit, Docker, Kubernetes, and more.

Fedora 22 also offers Vagrant boxes for the base Cloud edition and Atomic Host. An open source technology for quick deployment of software development environments, Vagrant, coupled with libvirt support in Fedora 22's package repository, enables developers to more easily spin up Fedora Vagrant boxes for development and testing, and to share work with other team members.

Finally, the Fedora Project has updated its Docker base image and set of Dockerfiles to help users make use of Fedora 22 in containers.

Fedora 22 Server

Fedora 22 provides a highly-flexible platform for a multitude of server functions, from file servers to domain controllers, thanks to Rolekit, a Linux daemon that helps manage server roles. Adding to the plethora of options already available, Fedora 22 Server adds new support for the Database Server Role, based on PostgreSQL. The server edition of Fedora 22 now defaults to the XFS file system, a highly-scalable, high-performance file system, which provides quicker crash recovery and also allows for maintenance windows during normal use, limiting downtime.

Fedora 22 Workstation

With the new enhancements to the cloud and server editions, Fedora 22 also delivers new features for developers and desktop users with Fedora 22 Workstation edition, emphasizing user interface enhancements and application improvements. Bug notifications, serious or otherwise, now keep users better informed while remaining less intrusive, and GNOME's desktop themes have been refined to improve usability without distracting from window content.

Several application improvements have also been shipped with Fedora 22 Workstation, including the Software app, which now simplifies the act of finding useful open source software, keeping systems up to date and adding extras, like fonts or media helpers. Files and Boxes (Fedora 22's virtual and remote machine application) have been enhanced as well, giving a better view of files and folders and a revamped box creation assistant, respectively.

Finally, Fedora 22 Workstation developers received extra developer assistance with the addition of the Vagrant developer environment software into Fedora. Vagrant works with the existing Fedora 22 virtualization technology and requires no third-party virtualization tools to run effectively, giving them additional support in creating traditional, cloud and container-based applications.

Supporting Quotes

Matthew Miller, Fedora Project Leader

"Fedora 22 continues the great groundwork laid by Fedora 21 and the Fedora.next initiative, delivering three unique editions of Fedora 22 while retaining the commitment to open source innovation for which Fedora is known. From the usability and developer enhancements in Fedora 22 Workstation to the expansion of Linux container and Docker support within Fedora 22 Cloud, Fedora remains a leader within the Linux vanguard, answering user needs above and beyond the desktop."

Additional Resources

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