

Red Hat Upgrades Enterprise Infrastructure-as-a-Service Offering with Red Hat Enterprise Linux OpenStack Platform 6

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Co-engineered with Red Hat Enterprise Linux 7 to enable open cloud infrastructure for enterprise businesses and service providers deploying OpenStack

RALEIGH, N.C.--(BUSINESS WIRE)-- Red Hat, Inc. (NYSE: RHT), the world's leading provider of open source solutions, today announced the general availability of Red Hat Enterprise Linux OpenStack Platform 6, featuring updates designed to serve as the foundation for building OpenStack-powered clouds for enterprise businesses with advanced cloud users, telecommunications companies, Internet service providers (ISPs), and public cloud hosting providers.

Red Hat Enterprise Linux OpenStack Platform delivers the foundation for a production-ready cloud, integrating Red Hat's hardened and agile OpenStack technology with the security and stability of Red Hat Enterprise Linux. Red Hat Enterprise Linux OpenStack Platform sets a new standard for OpenStack deployments, with customers in production in every region, spanning industry verticals and enterprises of various sizes in education, financial services, government, healthcare, retail, and telecommunications.

Building on its innovative co-engineered design, Red Hat Enterprise Linux OpenStack Platform 6 strengthens Red Hat's production-ready cloud platform through advancements in both the Linux and OpenStack components. Interoperability and ease of use continue to be at the forefront, starting with updates to Red Hat's intuitive graphical installer and management tools that create greater efficiency and reduce the complexities of a cloud deployment.

Red Hat Enterprise Linux OpenStack Platform 6 is based on the OpenStack Juno release and includes several new features aimed at easing enterprise deployments of OpenStack technology within existing datacenters and capabilities specific to telecommunications providers to enable Network Functions Virtualization (NFV) deployments among carriers, including:

IPv6 support, for both provider and tenant networks, enabling customers to assign IPv6 addresses across physical networks and OpenStack Networking (Neutron) virtual routers in stateless and stateful modes.

Neutron High Availability offers an upgraded OpenStack experience with Neutron agents in "active-active" mode for high availability configuration. This availability improves redundancy for networking, providing service uptime and improving stability for larger-scale production clouds.

Single root I/O virtualization (SR-IOV) networking, supported by a new driver, enables users to execute network switching directly on their hardware, bypassing the hypervisor and virtual switch levels.

Support for Multi-LDAP backends and domains, all within a single Identity service node, easing the installation and configuration processes for the platform, as well as long-term daily operations.

Full support for data processing, moves the Sahara service from tech preview to a fully supported feature that enables big data workloads.

Deeper Ceph integration with new capabilities for OpenStack Compute (Nova) and OpenStack Block Storage (Cinder), including full support for ephemeral volumes backed by the Ceph block device. This enables 'diskless' compute nodes and near-instantaneous booting of new virtual machines.

New tech preview features, highlighting Red Hat's continued innovation in the OpenStack space with feature debuts of unsupported technology previews, including bare metal provisioning and TripleO deployment and management.

Interoperability

Red Hat Enterprise Linux OpenStack Platform 6 furthers Red Hat's commitment to enabling customers to avoid vendor lock-in and achieve interoperability. With continued integrated support for Red Hat CloudForms hybrid management platform, Red Hat [recently announced](#) a new Red Hat Enterprise Linux OpenStack Platform cloud management API and a certification process for third-party cloud management tools, expanding the company's commitment to open platform development and customer choice.

Partner Ecosystem

The Red Hat OpenStack Cloud Infrastructure Partner Network aims to provide greater cloud versatility and ease the integration with existing datacenter technology and third-party plugins. With the release of Red Hat Enterprise Linux OpenStack Platform 6, the Red Hat OpenStack Cloud Infrastructure Partner Network now boasts more than 275 certified OpenStack partners, with more than 1,000 solutions certified for use on Red Hat Enterprise Linux OpenStack Platform.

Availability

Red Hat Enterprise Linux OpenStack Platform 6, engineered with Red Hat Enterprise Linux 7, is available globally starting today.

Supporting Quotes

"Red Hat Enterprise Linux OpenStack Platform 6 delivers enterprise-grade and telco-ready features, fueled by deep engagements with hundreds of customers and partners across the globe, to enable an open cloud infrastructure. Backed by our robust partner ecosystem, this release can enable a wider variety of enterprises and cloud service providers to quickly transition to an OpenStack-powered cloud infrastructure."

Idan Mor, senior director, Strategic Alliances, CloudBand, Alcatel-Lucent

"Red Hat Enterprise Linux OpenStack Platform is embedded in Alcatel-Lucent CloudBand NFV platform since early 2014. Communication service providers (CSPs) are looking to this collaboration to drive NFV features into OpenStack and be able to consume them through our platform. With the latest Red Hat Enterprise Linux OpenStack Platform 6 and Red Hat Enterprise Linux 7, we are pleased to see new NFV features that are essential for migration of telecommunication network services to a cloud infrastructure. In addition, open source, which is a critical element to our customers, together with Red Hat's commitment for reliability, performance and security, make our platform a carrier-grade solution."

Lew Tucker, vice president and Chief Technology Officer for Cloud, Cisco

"Cisco is excited to bring the innovations and enhancements of OpenStack's tenth release (Juno) to our customers through our collaboration with Red Hat. Our joint solution, Cisco UCS Integrated Infrastructure for Red Hat Enterprise Linux OpenStack Platform, offers validated designs and reference architectures for deploying Red Hat's enterprise-ready distribution on Cisco's complete turnkey solution for compute, networking and storage. The joint solution also includes coordinated support and consulting services from Cisco, to simplify and accelerate OpenStack deployment."

Jim Ganthier, vice president and general manager, Dell Engineered Solutions

"As a long-time partner and the first tier 1 server provider to offer Red Hat Linux on servers, Dell and Red Hat continue to provide our mutual customers value with integrated, jointly engineered OpenStack-based offerings. Our combined enterprise experience along with software and hardware leadership has and will continue with Red Hat Enterprise Linux OpenStack Platform 6 to provide customers a differentiated approach to OpenStack with a streamlined, stable and certified solution they can depend on for long-term cloud deployments."

Mauri Whalen, vice president, Software and Services Group and director of Core System Development, Intel Corporation

"Intel and Red Hat continue to drive enterprise-class capability into OpenStack to simplify implementation and deliver higher value for enterprises and communication service providers. With state-of-the-art support for NFV, Red Hat Enterprise Linux OpenStack Platform 6 provides an open, broadly-supported platform for deploying and orchestrating the next-generation of agile, efficient clouds and networks - with open source cost models and without limiting end-user flexibility or choice."

Michael Clever, senior vice president, Core, Nokia Networks

"Nokia Networks is defining requires for the operators' datacenter architecture to be able to meet the needs of virtualized network functions. In collaboration with Red Hat, we have been working to prioritize the NFV infrastructure features that will now become available in Red Hat Enterprise Linux OpenStack Platform 6. Nokia Networks is utilizing this and other cloud stack solutions to deliver carrier-grade NFV end-to-end solutions."

Additional Resources

Learn more about [Red Hat's OpenStack offerings](#)

Download and learn more about [Red Hat Enterprise Linux OpenStack Platform](#)

[Read a blog post about enhanced Ceph capabilities in Red Hat Enterprise Linux OpenStack Platform 6](#)

Learn more about [Cisco UCS Integrated Infrastructure for Red Hat Enterprise Linux OpenStack Platform](#)

Read a blog post detailing from Dell, ["Open technologies and collaboration = doing cloud right"](#)

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Forward-Looking Statements

Certain statements contained in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements provide current expectations of future events based on certain assumptions and include any statement that does not directly relate to any historical or current fact. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: risks related to delays or reductions in information technology spending; the effects of industry consolidation; the ability of the Company to compete effectively; the integration of acquisitions and the ability to market successfully acquired technologies and products; uncertainty and adverse results in litigation and related settlements; the inability to adequately protect Company intellectual property and the potential for infringement or breach of license claims of or relating to third party intellectual property; the ability to deliver and stimulate demand for new products and technological innovations on a timely basis; risks related to data and information security vulnerabilities; ineffective management of, and control over, the Company's growth and international operations; fluctuations in exchange rates; and changes in and a dependence on key personnel, as well as other factors contained in our most recent Quarterly Report on Form 10-Q (copies of which may be accessed through the Securities and Exchange Commission's website at <http://www.sec.gov>), including those found therein under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations". In addition to these factors, actual future performance, outcomes, and results may differ materially because of more general factors including (without limitation) general industry and market conditions and growth rates, economic and political conditions, governmental and public policy changes and the impact of natural disasters such as earthquakes and floods. The forward-looking statements included in this press release represent the Company's views as of the date of this press release and these views could change. However, while the Company may elect to update these forward-looking statements at some point in the future, the Company specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this press release.

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