

Red Hat Breaks Down Barriers to Enterprise Container Adoption with Dynamic Storage Provisioning in Latest Version of Red Hat OpenShift Container Platform

JAN 18, 2017

Enterprise Kubernetes platform designed to simplify storage for containerized applications, streamline multi-tenant deployments in hybrid cloud computing environments

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 OpenShift Container Platform 3.4, the latest version of its container application platform. Red Hat helps organizations like Discovery Health and Pioneer better embrace new technologies, such as Linux containers, that can deliver innovative business applications and services without sacrificing existing IT investments. Red Hat OpenShift Container Platform 3.4 provides a platform for this innovation while retaining a focus on existing mission-critical workloads, offering dynamic storage provisioning for both traditional and cloud-native applications and multi-tenant capabilities that can support multiple applications, teams and deployment processes in a hybrid cloud environment.

As a leading contributor to both the docker and Kubernetes projects, the latest version of Red Hat's container application platform provides an enterprise-ready version of Kubernetes 1.4 and the docker container runtime. This helps customers to more quickly roll out new services with the backing of a stable, reliable and more secure enterprise platform powered by the latest version of Red Hat Enterprise Linux, the world's leading enterprise Linux platform.

Red Hat OpenShift Container Platform 3.4 integrates the architectures, processes and services to enable delivery of critical business applications, from traditional and legacy applications to cloud-native and containerized workloads. New capabilities in the latest version include:

Next-level container storage with support for dynamic storage provisioning, allowing multiple storage types to be provisioned, and multi-tier storage exposure via quality-of-service labels in Kubernetes. Container-native storage, enabled by Red Hat Gluster Storage, which now supports dynamic provisioning and push button deployment, enhances the user experience running stateful and stateless applications on Red Hat OpenShift Container Platform. It makes the consumption and provisioning of application storage easier for developers to use. With Red Hat Gluster Storage, OpenShift customers get the added benefit of a software-defined, highly available and scalable storage solution that works across on-premises and public cloud environments and one that can be more cost efficient than traditional hardware-based or cloud-only storage services.

Enhanced multi-tenancy through more simplified management of projects, a feature powered by Kubernetes namespaces, in a single Kubernetes cluster. Multiple developer teams, applications and lifecycle environments can run fully isolated and share resources on a single Kubernetes cluster in OpenShift Container Platform. Red Hat OpenShift Container Platform 3.4 adds the capacity to search for projects, project details, manage project membership and more via a more streamlined web console, making it easier for users to work with multiple projects across dispersed teams. These multi-tenancy capabilities enable enterprise IT organizations to provide application development teams with their own cloud-like application environment to build and deploy customer-facing or internal applications using DevOps processes that are isolated from one another.

New hybrid cloud reference architectures for running Red Hat OpenShift Container Platform on OpenStack, VMware, Amazon Web Services (AWS), Google Cloud Engine and Microsoft Azure. These guides help walk a user through deploying a stable, fault-tolerant, production-grade environment that uses the power of Red Hat OpenShift Container Platform across public and private clouds, virtual machines and bare metal.

Forming the orchestration backbone of Red Hat OpenShift Container Platform 3.4 is Kubernetes 1.4, which is maintained by the open source Kubernetes Project community. Kubernetes 1.4 features alpha support for expanded cluster federation APIs, a feature that can enable multiple clusters federated across a hybrid environment and a capability that Red Hat views as a key component to enabling hybrid cloud deployments in the enterprise. As with all of Red Hat's enterprise-ready Linux container solutions, the latest version of OpenShift offers community innovation as hardened, production-grade features.

Beyond the software, Red Hat OpenShift Container Platform 3.4 is also backed by Red Hat's award-winning global support, helping enterprises to take advantage of the innovation offered by Kubernetes while knowing that the technology is supported by on-call technical expertise.

Supporting Linux containers across the hybrid cloud

Red Hat's expanded container portfolio spans private and fully managed public cloud offerings, supporting traditional and cloud-native applications, and different aspects of the application development process in one solution that can span multiple infrastructures and enable containers-as-a-service. This includes local, lab and production environments running in the data center or public cloud, managed by customers or fully managed by Red Hat. Additionally, Red Hat also offers a suite of no-cost developer-focused container tools, including a localized offering of Red Hat OpenShift Container Platform, through the [Red Hat Container Developer Kit](#). Red Hat's container-optimized solutions span storage, application services and management technologies, in addition to these no-cost development tools.

Red Hat OpenShift Container Platform 3.4 is available today via the Red Hat Customer Portal. Red Hat Cloud Suite will also feature the latest container application platform update as a pre-integrated offering alongside Red Hat OpenStack Platform, Red Hat Virtualization and Red Hat CloudForms.

Supporting Quotes

Ashesh Badani, vice president and general manager, OpenShift, Red Hat

“While Linux containers represent an innovative future for enterprise applications, traditional and legacy applications remain critical to the modern business. Red Hat OpenShift Container Platform 3.4 can meet the needs of these existing applications while providing the tools and services to drive cloud-native application creation and deployment. The latest version of our flagship container application platform goes a step beyond simply creating and deploying applications by addressing the growing storage needs of both stateful and stateless applications across the hybrid cloud, allowing for coexistence of modern and future-forward workloads on a single, enterprise-ready platform.”

Neil Adamson, CIO, The Vitality Group, a subsidiary of Discovery

“The Vitality program is a global initiative and rewards program that encourages healthy behavior for insurance customers. This program is a key component of how we envision the future of health, but advanced services for our customers can only be delivered by embracing next-generation technologies, particularly those provided through the open source communities that drive Linux containers, Kubernetes and IoT. Red Hat OpenShift Container Platform provides us with the best of these communities while still delivering a stable, more secure foundation; we're able to reap the benefits of open source innovation while lessening the risks often inherent to emerging technologies.”

Kazuhiro Miyamoto, General Manager, Development Department, Information Service Platform Center, Product Management Division, Pioneer Corporation

“We have adopted a cloud environment based on Red Hat OpenShift Container Platform and IBM cloud infrastructure services to assist the development and operation of our latest car navigation system, ‘Super Route Finder.’ As the Super Route Finder also supports the latest models released in 2016, there was concern about the growing concentration of access requests from thousands to tens-of-thousands units. With the expectation of the numbers of users and various kinds of containers increasing, Red Hat OpenShift Container Platform enables us to implement scalable allocation of containers, and readily manage respective container applications more effectively.”

Additional Resources

Learn more about [Red Hat OpenShift Container Platform 3.4](#)

Find out more about how Red Hat brings [Kubernetes container orchestration to the enterprise](#)

Read more about [Red Hat OpenShift Reference Architectures](#)

Learn more about Red Hat's [enhancements to container-native storage](#)

Attend [“Containers for the Enterprise: A Red Hat virtual event”](#) to hear more about Red Hat's work with Linux containers

Connect with Red Hat

Learn more about [Red Hat](#)

Get more news in the [Red Hat newsroom](#)

Read the [Red Hat blog](#)

Follow [Red Hat on Twitter](#)

Join [Red Hat on Facebook](#)

Watch [Red Hat videos on YouTube](#)

Join [Red Hat on Google+](#)

Follow [Red Hat on LinkedIn](#)

About Red Hat, Inc.

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT. Learn more at <http://www.redhat.com>.

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 the ability of the Company to compete effectively; the ability to deliver and stimulate demand for new products and technological innovations on a timely basis; delays or reductions in information technology spending; the integration of acquisitions and the ability to market successfully acquired technologies and products; fluctuations in exchange rates; the effects of industry consolidation; 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; risks related to data and information security vulnerabilities; the ability to meet financial and operational challenges encountered in our international operations; ineffective management of, and control over, the Company's growth and international operations; 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.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, CloudForms, Gluster and OpenShift are trademarks or registered trademarks of Red Hat, Inc. or its subsidiaries in the U.S. and other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries. The OpenStack Word Mark is either a registered trademark/service mark or trademark/service mark of the OpenStack Foundation, in the United States and other countries, and is used with the OpenStack Foundation's permission. Red Hat is not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

View source version on businesswire.com: <http://www.businesswire.com/news/home/20170118005694/en/>

Red Hat, Inc.
John Terrill
+1-571-421-8132
jterrell@redhat.com

Source: Red Hat, Inc.