Broadcom improves performance of OpenShift applications

Red Hat Software Partner

ca technologies
A **Broadcom** Company

"Companies looking to build new applications in, and for the cloud, or migrate existing applications to a cloud–based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner. Red Hat certification assures a supportable platform for all types of customer deployment models."

Mike Werner,
Senior director, Global Technology Partners, Red Hat

Red Hat

Technology Partner

Red Hat

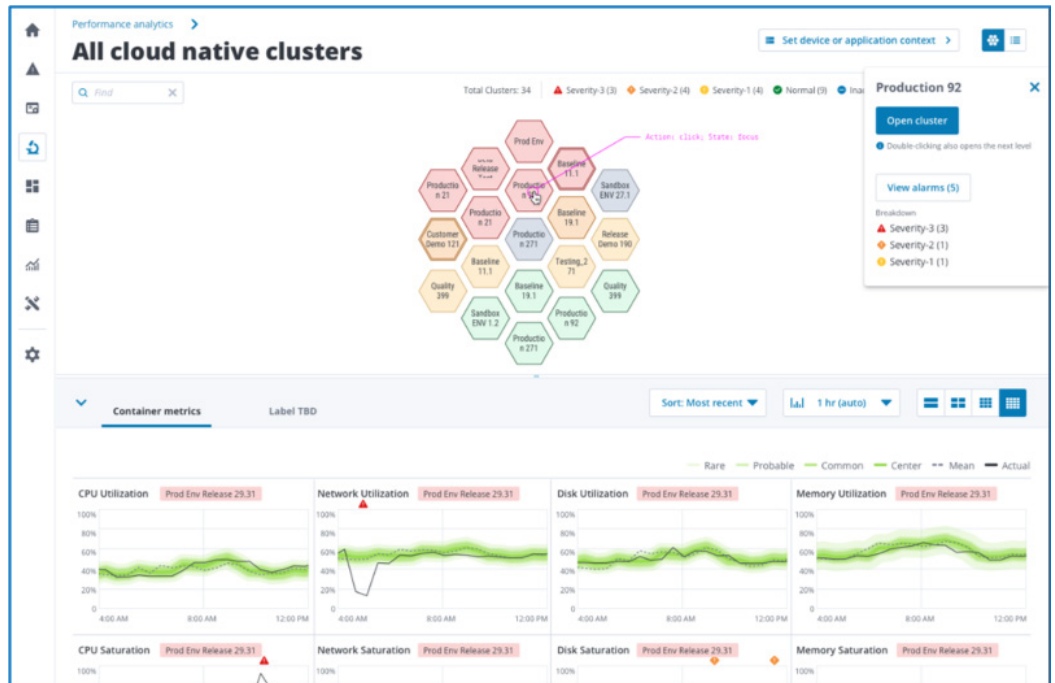✓ Certified Technology

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Broadcom's analytics-driven solutions help you quickly and easily monitor and improve the performance of OpenShift hosted apps and microservices

DX Application Performance Management (DX APM) for Red Hat ® OpenShift® provides easy and flexible monitoring to automatically detect and correlate issues across dynamic micro-service and container environments. With predictive analytics and app-to-infrastructure correlation, teams can quickly pinpoint root cause to optimize app health and deliver flawless user experiences.

Executive Summary

Broadcom provides immediate performance insight into the applications and micro-services deployed, managed and powered by OpenShift – including Docker Containers and Kubernetes. With agentless configuration options, automated container discovery and dependency mapping, together with deep metric collection and analytics, Broadcom solutions help DevOps teams quickly exploit the flexibility of OpenShift without adding more cost and risk. Regardless of your application architecture, Broadcom scales to ensure effective monitoring and optimal app performance.

> "Cloud is a big part of our strategy at Broadcom - we are always looking for innovative ways to leverage cloud technology to build better solutions. We ourselves leverage the OpenShift platform to build and deploy our own software and we are excited for this partnership with RedHat and the opportunity to extend those solutions to their community."

Sudip Datta,
Head of AIOps and Monitoring Segment,
Enterprise Software Division, Broadcom

Product Benefits

DX APM delivers effective monitoring for the OpenShift platform by providing:

▸ **Deep performance visibility.** Instantly detect, discover and start monitoring your OpenShift Clusters, Projects, Services and Kubernetes pods, correlated together with your APIs, applications, containers and supporting infrastructure. Visualize services in real-time dynamic topology maps.

▸ **Dynamic microservice tracking.** Provides complete, real-time visibility into the vital signs of OpenShift clusters, services, Kubernetes Pods—together with containers, APIs, apps and dependencies.

▸ **Analytics-driven insights.** Scales to manage millions of events and alarms, predicting anomalies and problems across containers, clusters and cloud services providing analytics-based workflows which reduce alarm noise and guide you to the root cause of an issue.

▸ **Predictive identification of capacity bottlenecks.** Avoid service disruptions and reduce waste by discovering under-utilized capacity across hybrid infrastructures.

▸ **Comprehensive, full stack support.** Track OpenShift Clusters, Kubernetes Pods, Docker containers and distributed application performance, and correlate to your hybrid-cloud and supporting infrastructure.

Use cases

Broadcom's solution enables you to match the scale and power of OpenShift with complete visibility into app-to-infra performance by helping to:

▸ Reduce monitoring complexity with complete visibility.

▸ Drive container improvements with change impact analysis.

▸ Optimize performance with analytics, actionable alerting and automated remediation.

▸ Predict future potential bottlenecks to avoid service disruptions.

DX APM is a Red Hat certified application and is available for customer download from the Red Hat certified container registry.

About Broadcom

Broadcom Inc. is a global technology leader that designs, develops and supplies a broad range of semiconductor and infrastructure software solutions. Broadcom's category-leading product portfolio serves critical markets including data center, networking, enterprise software, broadband, wireless, storage and industrial. Our solutions include data center networking and storage, enterprise, mainframe and cyber security software focused on automation, monitoring and security, smartphone components, telecoms and factory automation. For more information, go to www.broadcom.com.

About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

Learn more

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