Simplify application deployment on Red Hat OpenShift on AWS (ROSA)

Deliver essential data services to production workloads on ROSA with Portworx by Pure Storage

Hybrid cloud and container environments have increasingly become a core component of the modern enterprise application strategy. According to 451 Research, 95% of new apps are being developed in containers, while Gartner reports that over 81% of enterprises are using 2+ public cloud providers.

At the heart of using containers in multi-cloud is the need to develop and deploy applications faster and with higher security. However building and managing a hybrid cloud, container environment, is a difficult task for any organization. 75% of organizations say a lack of internal expertise is a key challenge to successful container adoption.

Enter Red Hat OpenShift on AWS (ROSA)

Red Hat OpenShift Sevice on AWS is a fully managed, cloud-based container platform that lets you rapidly build, deploy, and manage Kubernetes applications in the Amazon Web Services (AWS) Cloud. With ROSA, customers are able to deploy applications in minutes and and quickly scale from on-prem to AWS, reducing application development cycles by up to 40%.

Storage and Data Management Challenges Remain

While ROSA on AWS provides a strong base for application deployment, a number of key challenges around storage and data management arise from the underlying Amazon EBS architecture.

Amazon EBS is convenient and easy to provision, but it was designed to provide storage to Amazon EC2, not containers. In highly dynamic Kubernetes environments, this leads to problems, such as lack of cross-AZ HA, limited density of volumes per host, slow and unreliable failover, and ultimately, increased costs. Additionally, customers still need to figure out how to solve backup, DR, data security and cross-region migrations.

95%
of new apps are being developed in containers

81%
of enterprises are using 2+ public cloud providers

60%
reduce cloud storage cost by up to 60%

40%
improvement in application development with ROSA

Enter Portworx by Pure Storage

Portworx Enterprise is a software-defined data services platform that runs on top of Amazon EBS, Amazon EKS, Amazon EKS-A, and Amazon EKS-D to provide Kubernetes applications with scale-out storage, cross-AZ data availability, data security, backup, and disaster recovery in any Amazon region or AWS Outposts. Running Portworx in conjunction with ROSA provides customers with a clear cut solution across four key areas:

Disaster Recovery & High Availability Fast
Automated multi-AZ, multi-region HA & DR providing fast failover and Zero RPO for Kubernetes applications

Backup & Data Protection
App-consistent, container-granular backup & restore with built-in security including RBAC & ransomware protection

Data Migration
Comprehensive migration toolset delivering automated, cross-region and cross-zone migration

Optimize Cost & Performance
Reduce AWS infrastructure & operational costs by up to 60% while cutting time to market from months to days

About Portworx and Red Hat

Portworx is the #1 leader in Kubernetes storage and data management,* trusted in production by the world's leading enterprises. Red Hat is the world's leading provider of enterprise open source solutions—including Linux, cloud, container, and Kubernetes. Red Hat delivers hardened solutions that make it easier for enterprises to work across platforms and environments. Together, Portworx and Red Hat help customers simplify workload management in distributed core, edge and cloud IT environments. Joint customers realize many benefits including increased agility, performance and security.

*Source: 2022 GigaOm Radar for Cloud-Native Kubernetes Data Storage.

For pricing and more details, visit **portworx.com**

© 2022 Portworx