NetApp | **Red Hat**

WHY NETAPP FOR
RED HAT OPENSHIFT

THE PROBLEM

Companies worldwide are under pressure to develop new and innovative applications that simplify business operations and improve outcomes for their customers and employees. However, stateful applications present challenges such as storage provisioning, data management, protection, security, and business continuity for containerized workloads. Unlike stateless applications, stateful applications maintain user data, making them a target for attackers. Also, companies are looking for simplified ways to manage both containers and VMs in parallel while also migrating data from traditional environments to modernized container deployments.

THE SOLUTION

Joint solutions from Red Hat and NetApp reduce the risk and complexity of data and infrastructure management across on-premises and hybrid cloud environments while increasing flexibility, security, and return on investment. Together, Red Hat and NetApp help you balance cloud adoption, VM management, and application modernization with jointly validated solutions that feature automation, built-in security, and a platform for cloud-native development. You can capitalize on these validated solutions to facilitate faster, more reliable, and predictable deployments, and choose managed services to focus your own organization on innovation instead of infrastructure management.

Top reasons why NetApp and RedHat are better together

1 Build a foundation for the future, on premises or in the cloud.

2 Accelerate application development, innovation, and delivery.

3 Simplify management of VMs and containers on a single platform.

4 Deploy our joint solutions as viable alternatives to VMware.

Where NetApp adds value

Our joint solutions provide a unified foundation for containers and VMs that helps your organization reduce infrastructure complexity, deliver resources on demand, and use cloud-native application development on premises or in the cloud.

✓ Unify data management and increase deployment flexibility.

✓ Reduce manual effort with CSI-compliant automated storage provisioning.

✓ Migrate and convert VMs in minutes rather than hours or days.

✓ Flexibly balance app modernization and cloud adoption.

✓ Prevent data loss with available, persistent, and secure data management.

Only NetApp offers

For the third year in a row, Gartner has named NetApp the #1 primary storage platform for container use cases. Only NetApp offers intelligent data infrastructure across hybrid cloud environments, increasing flexibility, security, simplicity, and return on investment.

You can run applications seamlessly from any data center footprint—private cloud or public cloud—out to the edge. And you can use a common control plane model to bring together your on-premises and cloud environments that are running Red Hat OpenShift with NetApp. This model uses Red Hat Advanced Cluster Management for Kubernetes, NetApp ONTAP, and NetApp Trident™ software.

Red Hat OpenShift Container Platform provides a solution that can run both container apps and VMs. With joint solutions from Red Hat and NetApp, you can choose your deployment method:

Virtualization
Red Hat OpenShift Virtualization with NetApp ONTAP and Trident

Container integration
Red Hat OpenShift Container Platform with container storage interface (CSI) integration for Trident

Managed first-party cloud services
Enterprise-grade storage in the cloud for Red Hat OpenShift Service on AWS, Red Hat OpenShift Dedicated, and Microsoft Azure Red Hat OpenShift

Converged infrastructure
FlexPod® Cisco Validated Designs for hybrid cloud, the data center, or AI

"We believe in the power of open-source software to help businesses access the latest features and capabilities to run their IT environments. At the core of the open-source philosophy is collaboration, and in that spirit, we are expanding our collaboration with NetApp to help empower customers with the flexibility they need to drive innovation in their virtualized environments. Intelligent data infrastructure from NetApp provides a solid foundation for Red Hat OpenShift customers to further modernize and protect the applications running in their virtual deployments and Kubernetes containers."

Stefanie Chiras, Senior Vice President, Partner Ecosystem Success, Red Hat

Additional resources

[NetApp and Red Hat ›](#)

[NetApp and Red Hat Partnership ›](#)

[NetApp Trident ›](#)

[NetApp and Red Hat solution brief ›](#)

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