

# Dell EMC Ready Stack: Red Hat OpenShift Container Platform 4.6

## Accelerate Digital Transformation with Infrastructure Optimized for DevOps

Organizations are moving towards DevOps and container technologies to accelerate cloud-native application construction and help with their digital transformation. Container technology simplifies, speeds up and orchestrates application development and deployment.

Dell Technologies and Red Hat help take the guesswork and risk out of Red Hat OpenShift Container Platform deployment with a complete infrastructure design. This container environment streamlines application development, deployment and management, allowing you to release new applications and services quickly, efficiently and at scale.

### Make the shift to container-based development

Red Hat OpenShift Container Platform enables organizations to implement a DevOps (Development and Operations) model for building cloud-native applications that are constructed as containers and managed with the industry-leading Kubernetes technology. If you're considering this application development model, the Dell EMC Ready Stack for Red Hat OpenShift Container Platform is for you.

Working together with Red Hat, Dell Technologies delivers tested, validated and documented design, configuration and deployment guidance to help you rapidly implement Red Hat OpenShift Container Platform on Dell EMC infrastructure.

### Proven design and configuration

Dell EMC Ready Stack for Red Hat OpenShift Container Platform (including the latest release for version 4.6) provides guidance that enables you to:

- Build a complete OpenShift Container Platform DevOps environment based on server platforms, storage and networking hardware and software configuration details.
- Separate application (workload) storage from infrastructure storage – using Dell EMC storage technologies for the persistent volumes required by stateful applications in the future.
- Create non-virtualized, on-premise infrastructure for highly available production use.
- Accelerate delivery of both stateless and stateful, cloud-native applications.
- Implement enterprise-grade Kubernetes container orchestration.

## Flexible architecture

The Dell EMC Ready Stack for Red Hat OpenShift Container Platform provides flexible container deployment guidance options. Full support is provided for Red Hat and other open-source lifecycle management, logging and monitoring tools, ensuring that there is no lock-in. In addition, persistent storage required by enterprise applications is supported on a growing choice of Dell EMC storage technologies including PowerMax, PowerScale and Unity XT.

## Why choose Dell EMC Ready Stack for Red Hat OpenShift Container Platform?

The Dell EMC Ready Stack for Red Hat OpenShift Container Platform offers several benefits:

- **World-class infrastructure** – The design and configuration guidance specifies industry-leading hardware to enhance the Ready Stack deployment advice for Red Hat OpenShift Container Platform.
- **Confidence** – Dell Technologies facilitates a low-risk, rapid deployment by including a full open-source validation suite in the Ready Stack.
- **Fast time to service** – The tested design and deployment methodology helps your team to deploy the environment and enter production faster. Organizations that use the Dell Technologies automation tools can deploy an OpenShift environment is approximately three hours.
- **Customizable solution** – The design is prescriptive and enables organizations to customize the configuration to address their unique container deployment requirements.

## Take the next step

Container technologies can help your organization support modern digital business requirements. Together, Dell Technologies and Red Hat offer a validated infrastructure design solution that speeds implementation of a DevOps container environment that lets you focus on developing innovative applications to deliver business value. Find more information at the Dell Technologies [OpenShift](#) Info Hub.

To learn more about this and other Ready Stack validated designs, visit [DellTechnologies.com/ReadyStack](https://DellTechnologies.com/ReadyStack).