Dell EMC Ready Stack: VMware Cloud Foundation on PowerEdge Servers and Unity Storage

Ready Stack: Flexibly Build Your Own Converged Infrastructure

Dell EMC Ready Stack is a portfolio of validated designs that enable you to build converged infrastructure solutions with lower risk and faster time to value. Select from leading technology components all from Dell Technologies, including VMware virtualization and cloud automation, Dell EMC storage, server, open networking, and data protection, and more. Then, build a converged infrastructure stack to host a wide range of modern cloud platforms, operating systems, and applications. With Ready Stack, the choice is yours.

The Ready Stack Advantage:

- **Flexibility:** Best-in-Class Technology Components to support a full range of workloads
- **Speed:** Unmatched guidance and expertise from the #1 Converged Infrastructure team* to speed design and deployments
- **Trust:** 24x7 world-class support and services, all from a single vendor – Dell EMC

VMware Cloud Foundation: A Simple, Agile, and Secure Hybrid Cloud Platform

VMware Cloud Foundation is a complete set of software-defined services for compute, storage, networking, and cloud management that automates the deployment and lifecycle management of the software-defined data center. It can be deployed on-premises on a broad range of supported hardware. With integrated cloud management capabilities, the end result is a hybrid cloud platform that can span private and public environments, offering a consistent operational model based on well-known vSphere tools and processes, and freedom to run apps anywhere without the complexity of app re-writing.

Introducing Ready Stack: VMware Cloud Foundation on PowerEdge servers and Unity storage

For those seeking to build their own converged infrastructure data center solution, and with a desire to combine the automation of VMware Cloud Foundation with the features and benefits of a best-in-class dedicated storage array, we are proud to present Dell EMC Ready Stack: VMware Cloud Foundation on PowerEdge servers and Unity storage.

This validated design from Dell EMC combines Dell EMC PowerEdge servers, fiber channel SAN and Dell EMC PowerSwitch switches, data protection, and Unity storage with VMware Cloud Foundation. Dell EMC PowerMax storage is also supported. Whichever components you choose, the end result is a converged infrastructure stack that leverages Cloud Foundation to manage key core VMware components like SDDC Manager, vSphere/ESXi, vSAN, and NSX while also providing additional data services capabilities outside of the vSAN environment with Unity and PowerMax storage options.

Best of Both Worlds

With this validated design, you gain access to the best of both worlds from Dell EMC and VMware. VMware Cloud Foundation enables a vSAN environment by pooling and virtualizing the onboard storage built in to each R-series PowerEdge server. Then, Dell EMC fibre channel SAN connects dedicated Unity or PowerMax storage to deliver even more storage capabilities beyond the vSAN environment. Build a true cloud infrastructure platform combining the best of software-defined and traditional 3-tier architecture, and gain the advantage of asynchronous scaling of storage, powerful compute and networking, and the ease of management provided by VMware Cloud Foundation for virtualized components in the stack.

Your Entry to the Dell Technologies Cloud

Ready Stack for VMware Cloud Foundation is just one example of how infrastructure from Dell EMC and virtualization from VMware can be unified for transformational results. The new Dell Technologies Cloud extends this even further and brings VMware and Dell EMC together to address today's hybrid cloud landscape. Together, Dell EMC and VMware deliver the industry's #1 cloud software stack powered by API-driven Dell EMC CI, HCI, and validated components, combining to form the industry's #1 cloud infrastructure.

Ready Stack for VMware Cloud Foundation showcases how validated storage, server, and networking from Dell EMC can deliver the infrastructure platform you need to harness the benefits of the Dell Technologies Cloud. Learn more about Dell Technologies Cloud at DellEMC.com/Cloud.

Take the Next Step

To learn more about Ready Stack, please visit https://www.DellEMC.com/ReadyStack

Dell EMC Infrastructure Components
- Dell EMC PowerEdge servers
- Dell EMC Unity or PowerMax storage
- Dell EMC PowerSwitch switches and Fibre Channel SAN
- Dell EMC Data Protection
- Design and Deployment Guidance from the #1 Dell EMC CI Engineering Team

VMware Cloud Foundation Components
- SDDC Manager
- vSAN
- vSphere / ESXi
- NSX