WHY CUSTOMERS CONNECT POWEREDGE SERVERS WITH POWERVAULT ME4 STORAGE

6

Adding external storage to servers can create a multitude of benefits for businesses running modern applications while experiencing rapid data growth. Separating servers from storage means you won't be faced with server upgrades or server swaps due to lack of capacity allowing data to remain in place. Dell PowerEdge Servers combined with PowerVault ME4 storage give companies a dynamic infrastructure environment that delivers performance, flexible capacity expansion, simplified management and ease of use for businesses of all sizes.

1. VALIDATED CONFIGURATIONS

Validated PowerEdge and PowerVault configurations provide easier, faster, and lower-cost deployment for several use cases in your enterprise including HPC, Surveillance and virtualization solutions. Dell Technologies provides pre-tested configurations including software, hardware, storage, and network components—along with documented best practice guides that enable you to start small and grow as business needs require while protecting your investment. Validated configurations enable longer server utilization while being able to externally and seamlessly add direct-attached storage capacity.

2. RAID PERFORMANCE FLEXIBILITY

Combining these modern infrastructure platforms provides flexibility as to where RAID can operate and be managed for optimum performance. You can dedicate servers to applications and ensure your data is protected by HW RAID either with an internal PERC card in the server or an external RAID array without sacrificing application performance. PowerVault's RAID controller preserves processing power, allows more space and speed to read and write data and works with any OS. Alternatively, PowerEdge PERC RAID offers reliability, low cost, performance and high-speed connectivity if JBODs are utilized.

3. TOPOLOGY FLEXIBILITY

PowerEdge and PowerVault provide flexibility that allows you to configure them both for SAN and/or DAS topologies. Separating the compute and storage allows you to modularly grow while replacing PowerEdge when more memory or CPU is required and adding capacity to the PowerVault as needed.
Configure for DAS when you need better application performance than networked storage because the server does not have to traverse a network to read and write data. Configure for SAN so storage appears to be locally attached, improve application availability and data sharing with multiple data paths and enhance application performance that off-loads storage functions.

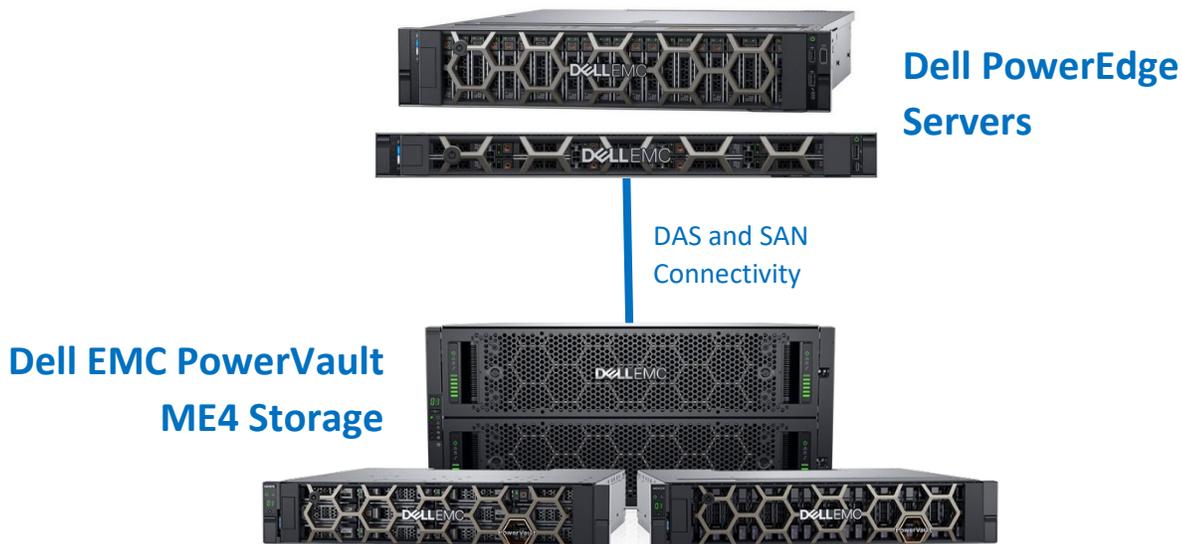## 4. UNIFIED MANAGEMENT ECOSYSTEM

Easily unify and manage PowerEdge and PowerVault systems as well as other Dell Technologies and third-party platforms from a single pane of glass. Multiple open, extensible management options are available including Dell OpenManage Enterprise (OME) and OME Plug-in for Nagios. Additionally, you can use iDRAC and CloudIQ for server and storage predictive analytics and health monitoring, respectively. The management options can be leveraged to speed time to repair, reduce monitoring efforts, accelerate new deployments and improve the end-user experience.

5. FINDING VALUE IN BIG DATA FASTER

When companies need to store, process and quickly access large amounts of data for analysis, they turn to Dell PowerEdge Servers connected to PowerVault ME4 storage. This infrastructure combination helps businesses reduce Capex/Opex of compute and dense data storage with affordable price/performance points. Dell servers and storage significantly increase data capture with fast analysis to improve the speed of business. With Dell, you'll get flexible modularity that allows bandwidth and capacity growth with minimal components and no need to reconfigure.

6. SINGLE SERVICE AND SUPPORT STRUCTURE

When customers combine PowerEdge Servers and PowerVault storage for running business solutions, they're immediately assured that a successful customer support team comes with them. There's never any finger pointing about where an issue resides – our highly trained service and support professionals will always deliver the best customer service experience in the industry. As your business undergoes rapid growth and must cope with all the changes that come with it, Dell Technologies will be there – at all service levels. You just need to make one call - to Dell Technologies – your trusted partner.

Dell PowerEdge Servers

DAS and SAN Connectivity

Dell EMC PowerVault ME4 Storage

Learn more about Dell EMC PowerVault Storage and Dell PowerEdge Servers solutions

Contact a Dell EMC Expert

DELLTechnologies