TOP REASONS WHY CUSTOMERS CHOOSE DELL EMC POWERMAX WITH VMWARE

5

Dell EMC PowerMax achieves new levels of performance and operational efficiency for today's demanding VMware environments. We take the best modern storage technology from purpose-built arrays and combine it with VMware virtualization for unmatched data resiliency, the highest scalability and simplicity.

1 | Built for the VMware ecosystem

Dell EMC PowerMax delivers deep integration with VMware vSphere. PowerMax was designed for VMware Virtual Volumes (vVols) and runs them natively. It supports the vSphere storage offload primitives allowing storage operations such as block zeroing and data copies to be managed by your existing vCenter via an optional Dell EMC VSI vCenter plugin. This functionality increases VMware Administrator efficiency as well as improves the performance and reliability of VMware environments.

2 | VMware Cloud Foundation integration

PowerMax can be deployed with VMware Cloud Foundation (VCF) to fully support VCF Virtual Infrastructure (VI), commonly referred to as Workload Domains. PowerMax can be utilized as principal or supplemental storage in VCF VI domains. Leveraging Dell EMC Cloud Storage Services, PowerMax can make your selected on-premises datasets available for consumption in VMware Cloud on Amazon Web Services (AWS), Microsoft Azure and Google Compute (GCP) through direct, low latency connections.

3 | Highest performance and scale for virtualized deployments

Customers increasingly use VMware as their default, trusted infrastructure deployment platform. As they embrace next-gen applications – including modern analytics, containers, NoSQL database tools and AI/ML – VMware will be at the heart of these deployments. Dell EMC PowerMax is built to address these next-gen storage heavy requirements supporting up to 64,000 VMware vVols, 15 million IOPS[1] and 350 GB per second of bandwidth[2] with under 100 microseconds read response times[3]. By embracing the very latest storage technology available (end-to-end NVMe and Storage Class Memory), together with inline data reduction (advanced deduplication and hardware-accelerated compression), you can be assured of a highly performant VMware environment that adapts quickly to your changing workload needs.

4 | Mission-critical data availability

When it comes to mission-critical availability, no one does it better than PowerMax. In fact, PowerMax incorporates a highly resilient no single-point-of-failure architecture, provides non-disruptive hardware and software upgrades, and delivers proven 6 nines of data availability. And with proven active-active data center replication and VMware Site Recovery Manager, you get a highly available application platform for your VMware environments. Avoid unplanned downtime all together with PowerMax.

5 | Optimize your IT lifecycle

Dell Technologies' Future-Proof Program takes the worry out of buying storage. Future-Proof provides support from beginning to end by guaranteeing outcomes, maximizing investments, and helping customers navigate IT futures. Purchasing a Dell EMC PowerMax qualifies you for the 3-Year Satisfaction Guarantee, 3.5:1 Data Reduction Guarantee, Never-Worry Data Migrations, Hardware Investment Protection, and Clear Price Maintenance. Get peace of mind with PowerMax.

Notes:

1 Based on Dell EMC internal analysis of Random Read Hits Max IOs Per Second (Within a single array) for the PowerMax 8000, August 2020.
2 Based on Dell EMC internal analysis of Random Read Hits Max MBs Per Second (Within a single array) for the PowerMax 8000, August 2020.
3 Based on Dell EMC internal analysis using the Random Read Hits benchmark for a single PowerMax 8000 array, August 2020.

Learn More about PowerMax

Contact a Dell Technologies Expert

DELLTechnologies