

TOP 10 REASONS WHY CUSTOMERS DEPLOY DELL EMC POWERMAX FOR MICROSOFT SQL SERVER

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Accelerate your journey to the Modern Data Center with Dell EMC's PowerMax, an all-flash array architected for mission-critical environments and designed with the latest NVMe technology.

1 | High Performance Microsoft SQL Server

PowerMax end-to-end NVMe arrays scale up and out, evolving to meet the demands of your ever-changing database environment, and deliver up to 15 million IOPS & 350GB per second throughput while maintaining consistent sub-100 microseconds read latency for your demanding workload (OLTP, test/dev, and analytics) Microsoft SQL Server instances. Trust PowerMax to meet your current requirements with a next generation solution that runs FC-NVMe and Storage Class Memory (SCM) persistent storage.

2 | Quality of Service: Guaranteed Performance

Combining Microsoft SQL Server's Resource Governor with PowerMax service levels provides the ability to ensure latency or throttle performance of other databases or set of databases to a specific response time. This provides exceptional control in typical noisy neighbor scenarios like test and development environments or non-critical reporting and analytics. Consolidate mission-critical production, production and non-production workloads with the confidence that service levels will maintain the performance required and defined via policy.

3 | Mission Critical In-Array Availability

For instances seeking the highest levels of availability, PowerMax is designed for six 9's of availability for mission critical databases and applications. PowerMax is a highly resilient, no single point of failure architecture that uses advanced fault isolation and robust data integrity checking techniques. PowerMax provides truly Non-Disruptive Expansions and Upgrades so you can leverage the latest and greatest enhancements without sacrificing availability.

4 | Industry-Leading Replication and Resiliency

Leverage SRDF for robust remote replication, distribute risk across up to 4-sites for multi-datacenter protection. SRDF/Metro extends standard synchronous functionality to provide concurrent access from a host, or clustered hosts, to a virtual LUN or storage group that physically exists on both arrays. Put simply, your database can be active in two places with instant restart and assure zero data loss in case of a disaster at a single site. For heterogeneous replication, and any point in time restores, RecoverPoint can also be used with PowerMax.

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5 | Space Efficiency for Improved Agility

Microsoft SQL Server database sprawl is extremely common, with customers typically creating between 13 and 18 copies of their business critical production databases. In many cases, that doesn't even reflect the Always-on Replicas spread across the datacenter. Maximize your Microsoft SQL Server investment with PowerMax global inline dedupe & compression capabilities, with an average of 3:1 savings, dramatically reduces overall storage costs. When combined with PowerMax's highly efficient snapshots and thin provisioning, Dell EMC guarantees an overall 5:1 efficiency savings for your environment.

6 | Multi-Purpose SnapVX Snapshots

PowerMax leverages space efficient SnapVX snapshots which allow hundreds, even thousands, of database copies to be created using hardly any additional physical storage. PowerMax includes 'Integrated Copy Data Management' with simple creation, management and orchestration of database copies. DBA's create and manage their own database copies to suit their requirements. Storage admins may also utilize secure snapshots which allow database copies to be protected from accidental or malicious deletion.

7 | Automation & Self Service for Database Copies

PowerMax SnapVX in conjunction with AppSync, our multi-platform copy orchestration software, enables DBAs and application owners to manage database copy demands for data repurposing, operational recovery, and disaster recovery across all Dell EMC primary storage arrays, using a single interface. Protection is easily automated both locally and across datacenters. Self-service models, especially for DBA's to create their own database copies, greatly improves efficiency and helps control database sprawl through gaining control of all database copy management.

8 | In-Depth Database Storage Analysis

Unisphere for PowerMax includes the Database Storage Analyzer (DSA) application which provides in-depth database to storage performance comparison troubleshooting capabilities for Microsoft SQL Server & Oracle Database. DSA quickly identifies databases which are suffering from I/O latency, non-storage issues, and overall greatly improves communication between your storage and database teams.

9 | Native Array Integration for Hyper-V

Accelerate large data copies and cloning operations in Hyper-V with support for Offloaded Data Transfer (ODX) which allows the array to handle the copy process without unnecessary network impact. Deploy and manage Hyper-V VMs with PowerMax storage through System Center Virtual Machine Manager via SMI-S support.

10 | Rewarding Loyalty Program

The Dell EMC Future-Proof Storage Loyalty Program takes the worry out of buying storage. Purchasing PowerMax qualifies for the 3-Year Satisfaction Guarantee, 5:1 Storage Efficiency Guarantee, Never-Worry Data Migrations, Hardware Investment Protection, All Inclusive Software and Clear Price Maintenance. Get peace of mind with PowerMax running your Microsoft SQL Server instances. Learn more at DellEMC.com/FutureProof



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