TOP REASONS WHY CUSTOMERS DEPLOY POWERMAX FOR SAP

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1 | The World's Fastest Storage Array[1]

With PowerMax, unlock the power of NVMe, hundreds of CPU cores, and terabytes of global cache pooled and allocated on-demand to meet the performance requirements of dynamic mixed SAP and/or SAP HANA workloads. PowerMax provides up to 10M IOPS[2], 150 GB/s bandwidth[3], dual ported NVMe flash drives and support for SCM drives when made available. Scale up and out from as little as 13 terabytes up to 4 Petabytes of effective capacity while maintaining less than 300 microsecond response times for mixed workloads[4]. Moreover, for over a decade, Dell EMC storage has maintained #1 share in enterprise companies running SAP. PowerMax continues this tradition as the premier enterprise storage offering from Dell EMC for SAP.

2 | The Proven Platform for SAP Landscapes

Dell EMC and SAP engineering work closely together to design and certify best practice configurations that customers can implement quickly and efficiently. PowerMax is certified for SAP HANA TDI (Tailored Datacenter Integration) and is also available as a certified SAP HANA appliance through Dell EMC's VxBlock converged infrastructure solutions.

3 | Superior Protection of SAP Data

PowerMax uses various data protection methods to assure your SAP data is never compromised. Advanced fault isolation, robust data integrity checking and non-disruptive upgrades and migrations all ensure SAP data is never compromised and always available. Leverage controller-based Data at Rest Encryption (D@RE) with no performance penalty and use secure snapshots to assure copies of your data are not deleted accidentally or maliciously. Extend protection off the array with ProtectPoint, the Data Protection Suite for Applications, to eliminate impact on backup and application servers and reduce overall complexity.

4 | Proven Mission-Critical Availability

PowerMax is designed for six-nines (99.9999) of availability, built into each platform and options for both local and remote protection. Leveraging modern space efficient copy technology, SnapVX, you can create hundreds, even thousands, of local copies that can be used for SAP application or database recovery and protection. For mission-critical high availability, PowerMax can be configured for single or multi-site remote protection, using SRDF, Dell EMC's industry leading replication technology, in both active-passive and active-active configurations (active-active provides constant availability with zero downtime if one site fails).

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[1] Based on Dell EMC internal analysis of published bandwidth of the PowerMax 8000 versus competitive mainstream arrays, March 2018. Actual performance will vary.

[2] Based on Dell EMC internal analysis of Random Read Hits Max IOs Per Second (Within a single array on 2 floor tiles) for the PowerMax 8000, March 2018. Actual performance will vary.

[3] Based on Dell EMC internal analysis of Random Read Hits Max GB per Second (Within a single array) for the PowerMax 8000, March 2018. Actual performance will vary.

[4] Based on Dell EMC internal analysis using the OLTP2 HW benchmark for a single PowerMax 8000 array, March 2018. Actual response time will vary.

5 | Cloud Based Monitoring

With Dell EMC CloudIQ, SAP Admins can remotely track from any browser or mobile device the health and availability of their storage infrastructure, and report on historical trends. Predictive analytics are used to project capacity and performance utilization, and leverage machine learning to proactively discover and remediate anomalies.

6 | SAP Landscape Consolidation

PowerMax leverages a shared resource, scale-out & NVMe flash-optimized design so you can start small and grow to enterprise cloud scale. These systems are also highly integrated with all major virtualization technologies, supporting thousands, even 10's of thousands, of virtual machines (and Virtual Volumes). SAP instances, both production and non-production, can now be consolidated at massive scale. Protect production performance from any impact from non-production or any other workloads with Quality of Service tools like Host IO Limits, which assures your key workloads always get the performance they demand.

7 | Storage Efficiency for Lower TCO

Global, inline deduplication, compression and thin provisioning dramatically decreases the TCO of a storage solution. With combined data reduction rates for databases at up to 5:1[5], you can now increase your available capacity at no extra cost. Inline data reduction is performed in hardware, so there is virtually no performance penalty and it is supported with all data services. Because deduplication is global, PowerMax drives efficiency even as it scales.

8 | Automation & Self-Service for SAP Landscapes

SnapVX can create space efficient snapshots (copies) for protection and/or repurposing, which allow thousands of application copies to be created using hardly any additional storage. PowerMax includes Dell EMC Integrated Copy Data Management (iCDM) providing simple creation, management and orchestration of database copies. SAP administrators and DBA's can now create and manage their own copies to suit their requirements. Orchestration of copies can be done using AppSync, a Dell EMC multi-platform copy management tool. AppSync is an advanced copy management software application that integrates seamlessly with PowerMax arrays to enable iCDM.
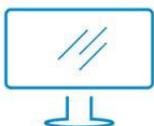
9 | Converged Infrastructure for Accelerated Deployments

Benefit from a true converged infrastructure experience and the highest levels of performance and availability with a Dell EMC VxBlock converged system, leveraging PowerMax arrays. These converged IT infrastructure systems integrate compute, network, storage, virtualization, and management in one solution built and supported by Dell EMC. For SAP HANA implementations the VxBlock converged infrastructure systems are certified as SAP HANA approved appliances.

10 | Future-Proof

The Dell EMC Future-Proof Loyalty Program takes the worry out of buying storage. Purchasing PowerMax qualifies for the 3-Year Satisfaction Guarantee, 4:1 All-Flash Storage Efficiency Guarantee, Never-Worry Data Migrations, Hardware Investment Protection, All Inclusive Software, Predictable support pricing, Cloud-enabled and Cloud Consumption models. Get peace of mind with PowerMax solution for SAP and/or SAP HANA workloads.

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[5] Based on Dell EMC internal analysis of dedupe and compression for a PowerMax array, March 2018. Actual data reduction will vary.

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