

PowerMax

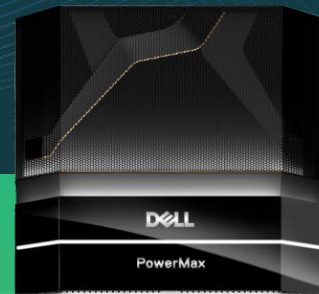
Building on decades of software innovation

Increasing pressure to accelerate operations

9 out of 10 IT organizations now must move faster than three years ago.

Organizations expect more data growth:
35% growth rate for on premises capacity &
39% growth rate for public cloud capacity.

39% of organizations are experiencing problematic skills shortages in IT architecture and planning.



1st
in the
industry



Safeguard



Automate



Modernize

NEXT GENERATION STORAGE ARCHITECTURE

Up to 2x

Faster performance.

- End to end NVMe
- Adaptable multi-node scale out

Up to 14x

Higher storage density.

- Massive scale & efficiency
- Industry standard technology

4:1

Data reduction guarantee.

Delivers outstanding efficiency

7x

More capacity

4:1

Open Systems
Data reduction
guarantee

5x

Capacity per kVA

3:1

2x

IOPS per port

Mainframe
Data reduction
guarantee

PowerMax Architecture Strategy

Innovate



Accelerate high end technology leadership and innovation.

Optimize



Deliver more efficiency, flexibility, scale, and density with less hardware.

Automate



Self manage and remediate using AIOps and built in machine learning.

Modernize



Enable advanced data services for traditional and next gen apps.

Secure



Provide threat detection, recovery, secure access, end to end encryption.

Next Generation PowerMax architecture highlights



Anytime upgrade

Future data in place upgrade to next generation nodes

- Enroll at point of sale
- Redeem anytime in contract
- Optional renewal decision



Radical performance

Up to 2X More IOPS and GB/s
< 0.1 millisecond latencies



Simplified IO modules

32Gb/s FC, FICON, SRDF
25Gb/s NVMe, iSCSI, NAS, SRDF



Massive scale and density

18 PB, 256 ports, 16 nodes per array
4 PB, 32 ports, 2 nodes in 5U



New DRR guarantees

65M Snaps, 2K SRDF groups
SRDF for File, Cloud Restores



Dynamic media enclosures

Independent compute/TB scale
Flexible RAID, more usable TBs



High end replication

Up to 2X More IOPS and GB/s
< 0.1 millisecond latencies

PowerMax

Simplify your operations



Flexibility

to configure, tailored to your needs.

- *Dynamic Fabric*
- *Flexible RAID*
- *Anytime Upgrade*



Automation

to simplify your repeatable tasks.

- *Optimized workload mobility*
- *Policy based management*
- *Full REST API, SFSS*



AIOps

to enable you to focus on what's more important.

- *Advanced, real-time telemetry*
- *Remediation & guidance*
- *Anomaly detection*

Broad ecosystem

to connect to your infrastructure



Dell APEX custom solutions

Create your own on demand as a Service environment and view invoices and usage.

DELL APEX FLEX ON DEMAND

Pay-per-use flexible consumption model for all Dell Technologies infrastructure.



DELL APEX DATA CENTER UTILITY

Usage based solution to enable a managed utility service at enterprise scale.

Hundreds of solutions deployed in enterprise environments, with direct and channel availability across 30+ countries.

Elastic capacity

Dynamically scale up or down.

Metered usage

Monthly payments with predictable rates.

Reduced costs

Align investment with resource usage.

Value-added services

Agreement can include needed services.



Next Generation PowerMax Models

PowerMax 2500

- 2 to 4 nodes
- 8 PBe Capacity
- 64 Ports

PowerMax 8500

- 2 to 16 nodes
- 18 PBe Capacity
- 256 Ports

Dynamic fabric technology

Under 60 μ sec read latency; under 120 μ sec write latency

Inclusive software

SnapVX • Data reduction • File • Unisphere + CloudIQ
AppSync • Data mobility • D@RE • PowerPath