

Power Protect DD Series Appliances



DDOS 7.0 + Hardware Refresh

Bigger – Faster – Stronger



- **PowerEdge Server Based**
- 1.25 PBu
- 8TB Drives
- Hardware Compression: GZ-FAST Compression
 - 30% Data Reduction
 - Offload CPU ~ 10-15%
- 10/25 or 100GbE-T Networking (DD9900 Only)
- Up to 4% (3.84TB) SSD – 60K IOPS
- 600mm Deep Rack (Standard)
- Half Shelf Licensing - Right Size / Flexible

Faster and more efficient



Denser Drives

- New 8TB drives enabling smaller footprint
- Half Shelf Licensing available

Hardware Assisted Compression

- Improves logical capacity by up to 30%

Higher Capacity

- 3 systems cover capacity range from 48TBu to 1.25PBu (25% improvement from DD OS 6.x at 1PBu)

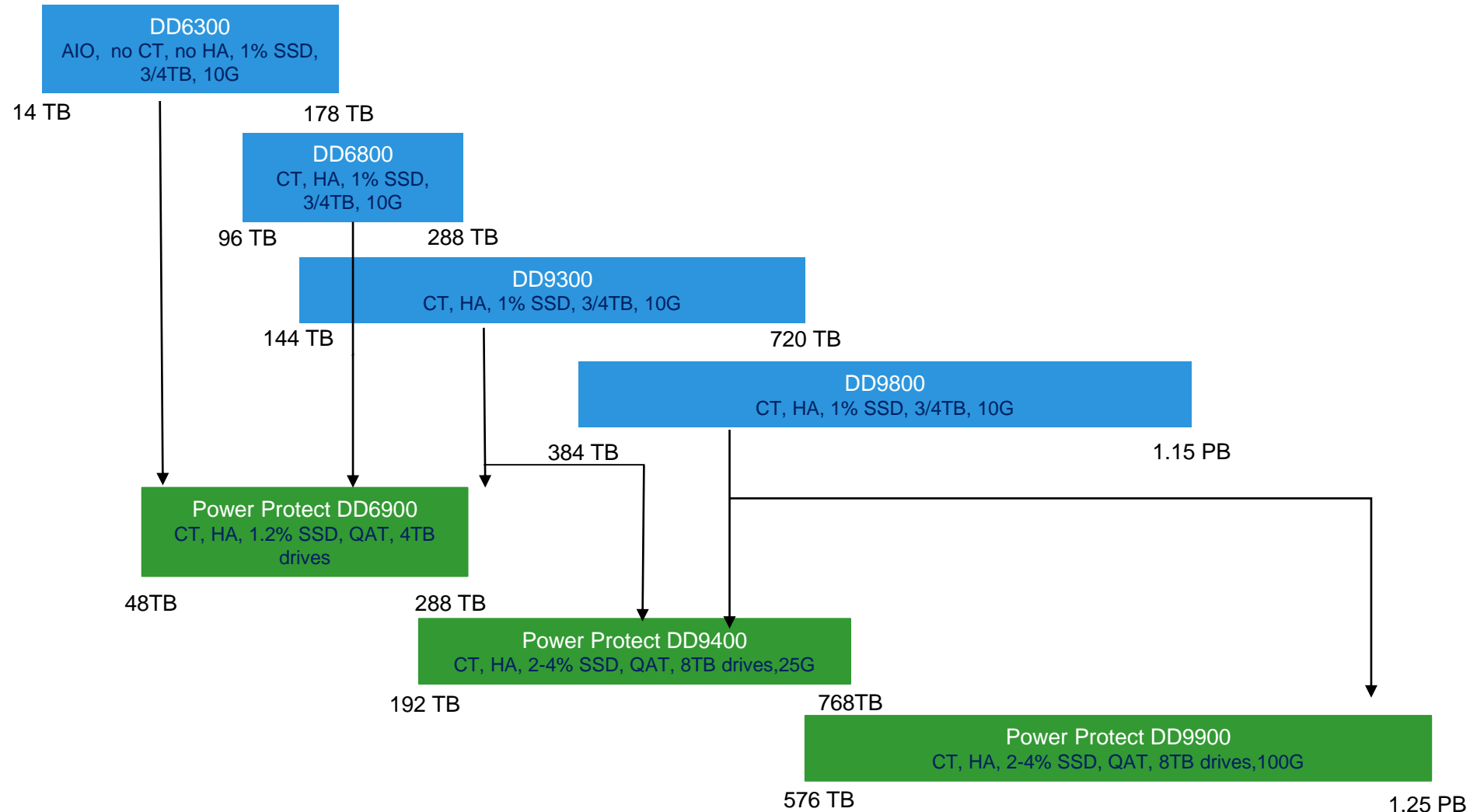
Faster Networking

- New 25GbE and 100GbE networking to speed backups and restores

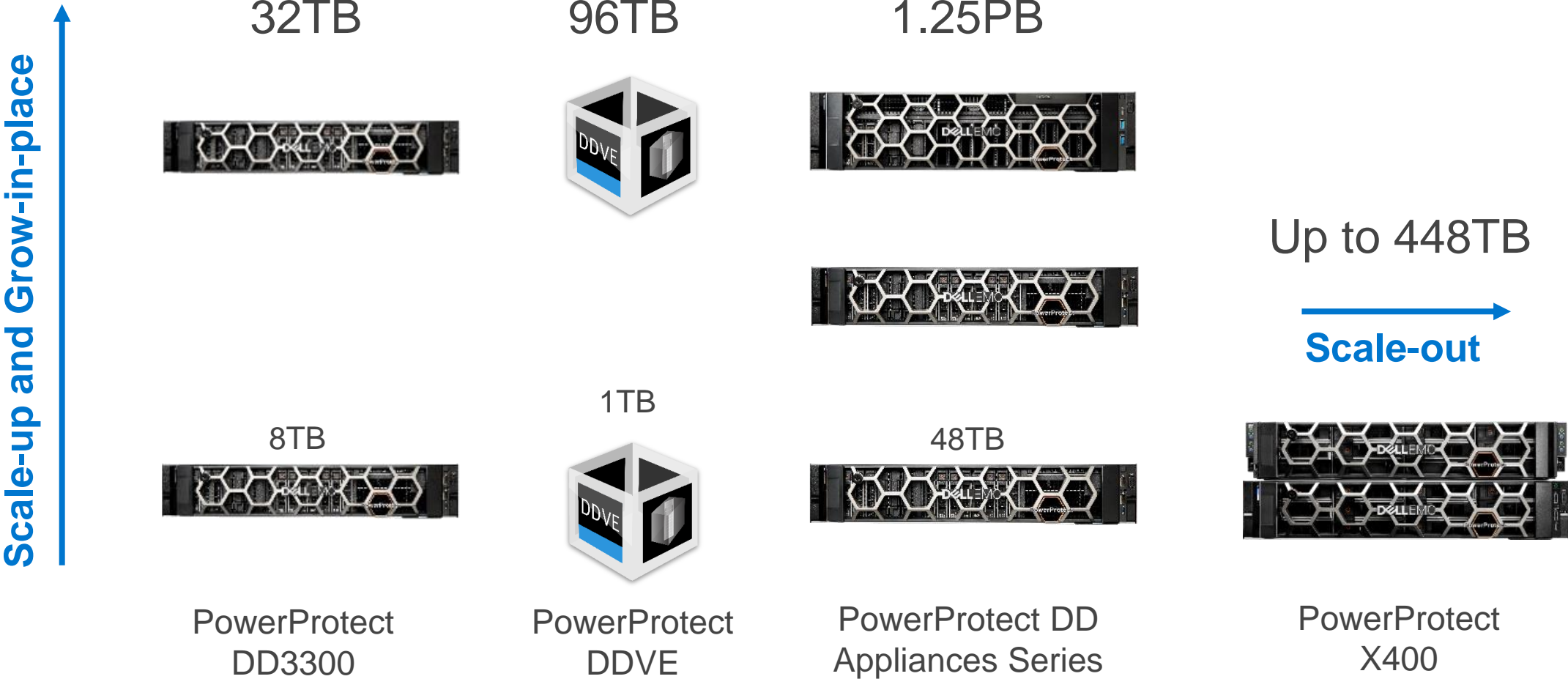
Higher IOPS

- More SSD for larger cache 60K IOPS* (50% improvement from DD OS 6.x)

Full Portfolio Refresh of current platforms



Flexible, grow in-place scalability



What's new

Simple & Modern

3 new appliances
From 7 to 3 configurations
Enhanced Management

Faster Performance

Up to 38% faster backups
Up to 67% faster restores
Up to 50% higher IOPS



DD6900
48 - 288TBu



DD9400
192 - 768TBu



DD9900
576 - 1.25PBu

More Efficiency

Up to 30% more logical capacity
Up to 39% lower rack space
50% lower floor space
35% lower power & cooling

Cloud Enabled

Cloud Tier and Cloud DR capable

SSD Cache in Power Protect DD

- Leverage SSD cache for metadata
 - Index, Lp (metadata) Cache, data cache
 - 1.2% SSD capacity on all platforms
- Container Metadata (CMETA) cache for supporting denser drives (new in PowerProtect DD)
 - 1.3% SSD capacity on Medium and Large
- Additional data cache for higher IOPs for Instant Access/Restore use cases
 - 1.5% additional SSD capacity (Total 4%) on Medium and Large
- Summary:
 - Baseline SSD Cache of 1.2% on DD6900 and 2.5% on DD9400 and DD9900
 - Expanded SSD Cache of 4% on DD9400 and DD9900

Enclosures and Drive Capacities

- Enclosures supported:
 - DS60
 - ES40 – 12Gb/s version of ES30
 - FS25 - 2.5” version of FS15 for Small/Medium HA-SSD and Large SSD
 - ES30 – supported on controller upgrade only
- Enclosures not supported:
 - ES20 and FS15
- Drives Capacities Supported:
 - New systems: DD6900 – 4TB SAS, DD9400 and DD9900 – 8TB SAS

The logo for Dell Technologies, featuring the word "DELL" in a bold, sans-serif font, followed by "Technologies" in a lighter, sans-serif font. The "E" in "DELL" is stylized with three diagonal lines extending from its right side.