DELL POWERPROTECT DP SERIES APPLIANCE

Simply, efficient and agile data protection - Guaranteed.

Simple

- Integrated protection storage and software

- Easy to deploy, scale and manage via single pane of glass across broad application ecosystem

- Save time with single vendor solution for data in hybrid multicloud, edge and core

Efficient

- Improved compression with higher performance – typically 65x deduplication and 30% higher data compression[1]

- Improve SLOs – up to 38% faster backup and up to 45% faster restores[2]

- NVME flash for faster instant access and restore up to 31K IOPS and 20 VMs[3]

- Protection for modern applications and optimized for VMware virtual environments

- VMware File-level Recovery, dynamic policies for VMs, application-consistent VM image backups

- Automated monitoring, analytics, reporting, plus search capabilities

Agile

- Extends data protection to private and public clouds with Cloud Tier for LTR and Cloud DR — with no additional hardware

- Reduces costs for LTR capacity management with space estimator tool

Data protection is becoming more complex

Organizations need to efficiently protect an ever-increasing amount of data in a growing distributed ecosystem of applications and workloads — all while improving time-to-value, reducing overall cost and complexity, and planning for growth. Organizations also need to seamlessly incorporate cloud into data protection strategies.

This is not easy to accomplish with many of today's data protection solutions which sacrifice performance for simplicity or require multiple products and vendors—resulting in lengthy and time-consuming deployment while delivering complex and expensive management of fragmented data protection environments.

PowerProtect DP series appliance: Simple, efficient and agile data protection

The DP series is an all-in-one backup appliance that reduces the complexity of managing multiple data silos, point solutions and vendor relationships. The DP series simplifies deployment and management—while delivering powerful, enterprise-grade data protection capabilities for small, mid-size and enterprise organizations at a low cost-to-protect[4]. It is an integrated solution that offers complete backup, replication, recovery, deduplication, instant access and restore, search & analytics, seamless VMware integration — plus, cloud readiness with disaster recovery (DR) and long-term retention (LTR) to the cloud — all in a single appliance.

With the DP series, customers reduce their time-to-protect and become more agile with a solution that's fast, protected more efficiently, can be recovered quickly and is reliable.

Simple to deploy, scale and manage

The DP series enables organizations to protect a broad ecosystem of applications quickly with a single system management console, consolidating workload protection, and eliminating infrastructure or data sprawl. The easy-to-use System Manager simplifies backups and automates daily tasks, including monitoring, management, reporting, analytics and search.

The DP series delivers all-in-one data protection: protection storage and software, search and advanced monitoring and analytics,

Density and performance

- Up to 864 TB (usable), 56.1 PB (logical) capacity with cloud tier[6]

- Up to 31K IOPS for instant access and restore for up to 20 VMs[3]

Energy Efficiency on Dell Storage

- Dell is committed to improving energy efficiency in our storage portfolio with each generation

Enterprise applications

- Oracle, SAP, Microsoft Exchange, SharePoint, MS SQL Server, Sybase, MySQL, MongoDB, Pivotal Greenplum, IBM DB2, Lotus Notes, and more

- Hypervisors supported: VMware, Microsoft Hyper-V, and KVM

- All major file systems, including Windows, Linux, HP-UX, AIX, Solaris, Mac OS and more

Native Cloud-Tier

- Supported cloud providers include: Amazon Web Services, Dell Elastic Cloud Storage, Microsoft Azure, VMware, IBM Cloud Object Storage, Google Cloud Platform, Alibaba Cloud and Ceph

Native Cloud Disaster Recovery

- Orchestrated via AWS, Microsoft Azure, or VMware Cloud on AWS

Cyber Recovery Integration

- Highest levels of protection, integrity and availability against cyber attacks

- Available on DP4400 & DP5900

Dell Technologies APEX

- Flexible payment options including pay as you go, pay as you use, and provided as-a-Service options

combined with cloud extensibility. It offers integration with VMware, SQL and Oracle management tools so that admins can use familiar UIs.

Powerful cloud, performance and efficiency

The DP series can scale to fit the needs of enterprises with the ability to protect up to 56.1 PB (logical) of data to the public, private or hybrid clouds with Cloud Tier, with no additional hardware.[6] Plus, native Cloud DR with end-to-end orchestration allows enterprises to copy backed-up VMs from on-premises DP series environments to the public cloud with AWS, Azure, or VMware Cloud on AWS—3 clicks to failover and 2 clicks to failback.[5]

The DP series provides support for modern applications like MongoDB and MySQL and is optimized for VMware. It provides fast, single-step recovery of individual files, dynamic policies for VMs as well as complete VMware images, which can be instantly accessed and migrated live from the DP series appliance back to the production environment (using vMotion) while still running, further simplifying and optimizing VM recovery. Plus, instantly access up to 20 VMs with up to 31,000 IOPS to meet the strictest SLAs[3].

Data protection search simplifies file-level-recovery (FLR) activities with an easy-to-use search interface. The DP series is also built on the industry-proven Data Invulnerability Architecture (DIA), for encryption, fault detection, and healing.

PowerProtect DP Series appliances

	DP4400	DP5900
BACKUP INGEST	Up to 9 TB/hr	Up to 33 TB/hr
LOGICAL CAPACITY[3]	80 TB to 4.8 PB[1] 240 TB to 14.4 PB[2]	960 TB to 18.7 PB[1] 2.8 to 56.1 PB[2]
USABLE CAPACITY	8 to 96 TBu[1, 4] Up to 288 TBu[2]	96 to 288 TBu[1] Up to 864 TBu[2]

1 Total capacity on active tier only.
2 Total capacity with cloud tier for long-term retention.
3 Based on up to 50x (DP4400) to 65x deduplication (DP5900) using hardware-assisted data compression of 30% better than previous generation. Actual capacity and throughput depends on application workload, deduplication and other settings.
4 If starting at less than 24TB, a simple field upgrade kit is required to bridge from 24TB to larger capacities.

Dell Technologies APEX

Dell Technologies APEX delivers a range of inclusive consumption models for PowerProtect appliances that combine flexible payment solutions with value-added services. Our innovative, all-encompassing solutions enable you to:

- Pay as you go – Make predictable payments over an agreed upon cycle – and grow over time at a pre-determined rate

- Pay as you use – Measure actual usage, set baseline capacity needs with the flexibility to elastically scale on demand

- Provided as-a-Service – Let us manage and maintain the technology, aligned to SLAs, and bill as resources are consumed

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