

POWERPROTECT DP SERIES APPLIANCES FOR FEDERAL AGENCIES

Driving the federal IT transformation with integrated PowerProtect appliances

Security & Performance

- IPv6 USGv6 certification, FIPS-140-2 Encryption At-Rest and In-Flight
- Improved compression with higher performance – up to 65x deduplication and up to 30% higher data compression¹
- Improve SLOs – up to 38% faster backup and up to 45% faster restores²
- NVME flash for faster instant access and restore up to 60K IOPS and 64 VMs³
- Up to 3 PB (usable), 195 PB (logical) with Cloud Tier

Easy to install, deploy and manage

- 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 multi-cloud, edge and core

Extendable to multiple environments

- Protects everywhere across broad application ecosystem
- Extends data protection to private and public clouds with Cloud Tier for LTR and Cloud DR — with no additional hardware
- Protection for modern applications and optimized for VMware virtual environments
- VMware File-level Recovery, dynamic policies for VMs, application-consistent VM image backups

Modernize IT infrastructure for federal data centers

Cyber security is one of the greatest threats facing federal government organizations today. These agencies need an efficient and extensive backup and recovery solution as they seek to improve security compliance, deal with explosive data growth, and meet their SLA targets for their on-premises and virtual environments. In order to meet the demands of mission and business users, agencies are modernizing their infrastructure to adopt an SLA-driven operation model. Proven and modern technology is needed to meet these SLAs and today's demanding data protection policies.

In order for the federal agencies to accomplish all these goals, departments need an integrated data protection solution that eliminates high risk threats, provides easy-to-use data protection and reduces the complexity of managing multiple data silos, point solutions and vendor relationships.

Dell EMC PowerProtect DP series appliances

The PowerProtect DP series appliance is an integrated backup appliance that delivers all-in-one data protection for hybrid multi-cloud, core and edge ecosystems. Starting at 8TB, it offers complete backup, deduplication, replication, recovery, instant access and restore, search and analytics, and seamless VMware integration – plus, cloud readiness with disaster recovery and long-term retention— all in a single appliance. With the DP series, departments can reduce their time-to-protect and become more agile with a solution that's fast, protects more efficiently, can be recovered quickly and is reliable.

Enhanced security for federal agencies

With the launch of the latest hardware and software, the DP series now provides several improved security features and protocols. It meets IPv6 and FIPS 140-2 Level 1 standards. With these security standards, the DP series can protect workloads at a higher level of security and addresses high-threat security issues that security conscious customers will not only appreciate, but also be instilled with confidence with Dell EMC's resiliency.

Simple to deploy, scale and manage

The DP series enables organizations to protect a broad ecosystem of

“Dell EMC’s broad portfolio of solutions keeps pace with our changes... It’s great to have so many choices.”

Brad Settles

Technical Services
Administrative Manager,
State of Michigan

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.

By consolidating backup storage, servers & software, search & analytics and more with a single, easy-to-deploy solution, you can simplify the management of your day-to-day operations, allowing IT admins to patch and upgrade their infrastructure whenever needed.

Extensive application ecosystem support

With broad coverage of physical and virtual workloads, the DP series can help physical servers running antiquated code use and manage next-gen applications and cloud providers. It offers integration with VMware, SQL and Oracle management tools so that admins can use familiar UIs. The DP series is optimized for VMware and provides automation and optimization services across the entire VMware protection stack. Plus, instantly access up to 64 VMs with up to 60,000 IOPS to meet the strictest SLAs.³

The DP series can scale to fit the needs of enterprises with the ability to protect up to 195 PB (logical) of data to the public, private or hybrid clouds with Cloud Tier, with no additional hardware.*** Native Cloud DR with end-to-end orchestration allows enterprises to copy backed-up VMs from on-premises environments to the public cloud with AWS, Azure, or VMware Cloud on AWS —3 clicks to failover and 2 clicks to failback.⁴

Guaranteed

The Future-Proof Program provides customers investment protection with a set of world-class technology capabilities, giving customers additional peace of mind with guaranteed satisfaction and investment protection for future technology changes.

PowerProtect DP series appliances

	DP4400	DP5900	DP8400	DP8900
BACKUP INGEST	Up to 9 TB/hr	Up to 33 TB/hr	Up to 57 TB/hr	Up to 94 TB/hr
LOGICAL CAPACITY³	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	1.9 to 49.9 PB ¹ 5.7 to 149.7 PB ²	6.2 to 65 PB ¹ 18.6 to 195 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	192 to 768 TBu ¹ Up to 2.3 PBu ²	576 TBu to 1 PBu ¹ Up to 3 PBu ²

¹ Total capacity on active tier only. ² Total capacity with cloud tier for long-term retention.
³ Logical capacity based on up to 50x (DP4400) to 60x (DP5900, DP8400, DP8900) based on additional hardware-assisted data compression of up to 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.



[Learn More](#) about the DP series



[Contact](#) a Dell Technologies Expert

- Based on Dell EMC analysis of field telemetry from PowerProtect DD series appliances, October 2020. Results applied to PowerProtect DD and DP series appliances. Results will vary.
- Based on Dell EMC internal testing with DD Boost protocol on DD9900 and DP8900 with DDOS 7.2 vs. DD9800 and DP8800 with DDOS 7.2, April 2020. Actual results will vary.
- Based on Dell EMC internal testing using 8KB 100% read to measure peak IOPS, performed on PowerProtect DD9900 and DDOS 7.2, July 2020. Retest performed on DD9900 within DP8900, September 2020. Actual results will vary.
- Source: According to Dell Internal Testing, February 2020
- Dell EMC Information Technology Equipment is compliant with all currently applicable regulatory requirements for Electromagnetic Compatibility, Product Safety, and Environmental Regulations where placed on market. Regulatory information and verification of compliance is available at Dell Regulatory Compliance site. http://dell.com/regulatory_compliance