

Maximize the Value of Your Microsoft SQL Server Data with Dell EMC PowerProtect DD Series Appliances

DD Series Appliances



Simple, Modern & More Efficient

- Choose from 5 appliances
- **DD3300, DD6900, DD9400, DD9900, PowerProtect DD Virtual Edition (DDVE)**
- Powered by resilient, secure DDOS
- Up to 30% more logical capacity¹ per TB
- Up to 39% lower rack space
- Up to 41% lower power & cooling²
- Scale capacity from **1TB to 1.5PB**
- Faster network bandwidth (25GbE & 100GbE)

Faster Performance

- Up to **38% faster backups**³
- Up to **45% faster restores**³
- Up to **50% higher IOPS**⁴
- Integrated DD Boost, deduplication & compression technology excellence!

Extended Portfolio Functionality

- All supported by PowerProtect Software
- Continued Comprehensive Integration with Data Protection Suite
- PowerProtect Cyber Recovery solutions
- Industry leading Multi-Cloud Protection

DD series with PowerProtect Software for Microsoft SQL Server

DD series is the ultimate protection storage appliances. DD series is the next generation of Data Domain, the #1 in Data Protection Appliances and Software⁵, now setting the bar for data management from edge to core to cloud. Protect and manage your SQL workloads with fast, secure, and efficient hardware and software solutions. As Dell Technologies customers transform their IT environments, these solutions will provide them confidence that their data is available to drive business value from their data and achieve results.

DD series introduces the flexibility to meet future demands of data growth through a scale-up approach with capacities ranging from 1TB to 1.5PB with grow-in place expansion. These appliances allow administrators the flexibility to deploy protection storage as an appliance or software-defined, both on-premises and in the cloud.

This portfolio also brings forward industry-leading data protection for multi-cloud workloads, by providing an extensive cloud protection ecosystem. Extend your SQL data backups to the cloud; Cloud Tier offers long term retention of your backups and Cloud Disaster Recovery offers cost effective disaster recovery to the public cloud.

Flexible, grow in-place scalability

To meet future demands of data protection for your Microsoft SQL application and database workloads, DD series delivers the ability to scale seamlessly. Deploy protection appliances, resources, workloads and policies in minutes on-premises and/or in-cloud. Capacities range from up to 32TB on a DD3300 and scale-up from 24TB on DD6900 to up to 1.5PB on DD9900. In addition, you can scale up and in a virtualized or cloud environment up to 256TB (cloud) or 96TB (on-premises) with DDVE.

Enhanced data protection & performance

DD series is built on the strengths of existing Dell EMC deduplication and compression technologies with additional hardware-assisted data compression of up to 30% per TB¹. In addition, DD series continues to support source side deduplication for Microsoft SQL Server based applications. This increases performance of backup and restore workloads; reducing network bandwidth and meeting customer SLAs for efficient data availability.

¹Based on Dell EMC analysis of field telemetry from PowerProtect DD series appliances v. previous generation, October 2020. Results applied to PowerProtect DD and DP series appliances. Results will vary.

²When comparing 1PB of data on DD9800 with Cloud Tier and PowerProtect DD9900 with Cloud Tier. May 2020. Actual results may vary.

³Based 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.

⁴Based 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.

⁵Based on combined revenue from the IDC 2Q20 Purpose-Built Backup Appliance (PBBA) Tracker, with select Storage Software segments from the 2Q20 Storage Software and Cloud Services Qview

PowerProtect Data Manager



DD series appliances deliver industry-leading speed and efficiency with up to 94TB³/hr throughput, enabling more backups to complete sooner to lessen pressure on backup windows. DD series uses source-side deduplication to minimize the protection storage requirements. This reduces backup storage requirement by up to 65x¹, making DD series a cost-effective choice for expanding data growth solutions. In addition, backup data on DD series can be available for longer retention periods and restores become faster and more reliable than ever.

Modern data management for Microsoft SQL with PowerProtect Software

SQL DBAs and data owners are the best resources to backup and restore of their applications. PowerProtect Software continues the Dell EMC Data Protection software integration of their native SQL interfaces and additionally provides DBAs with the option to share data management responsibilities with IT Admins throughout their global organization. PowerProtect Data Manager provides a centralized UI with which Backup or IT admins can manage backups and define protection policies for their Microsoft SQL workloads. Automated discovery of new databases and policy assignments improves operational efficiency and reduces the risk of databases not being protect with proper SLOs. IT Admins can protect workloads running on-premises and in the cloud as well as have the oversight they need to manage compliance and governance policies to maintain service-level objectives (SLOs). Automated discovery of databases, VMs and protection storage delivers faster time to value through pre-configured protection plans that enforce SLOs.

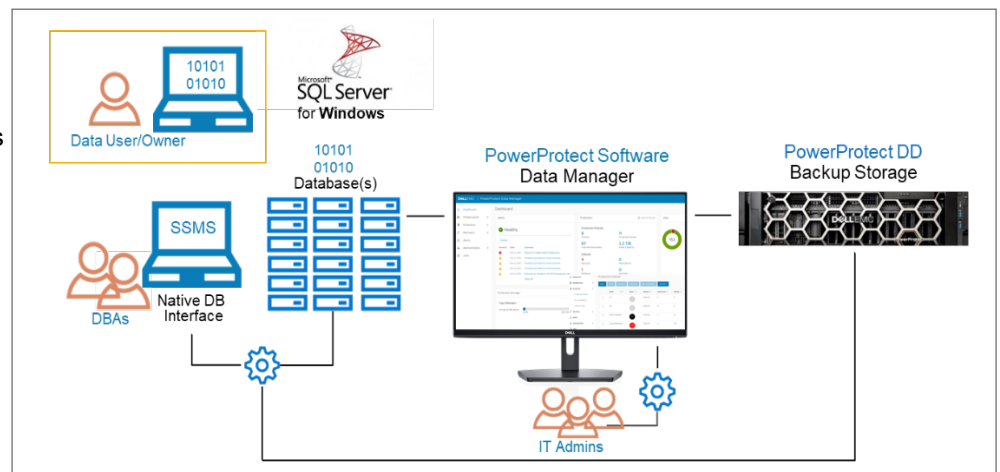
Extended VMware Support

PowerProtect Software also can provide application consistent backups for Microsoft SQL Server without the overhead of loading add-ins or agents. Instant access provides the ability to boot protected VMs directly from a DD series. This enables SQL DBAs to quickly deploy “production images” of SQL Servers within development and test environments.

PowerProtect DD Management Center

For many customers who have the need to manage and monitor multiple protection appliances (PowerProtect DD or Data Domain), they can deploy PowerProtect DD

Management Center virtually on VMware, Hyper-V, KVM on-premises or in-cloud. It delivers a single pane of glass to monitor, manage and generate reports on all DD series and Data Domain appliances, physical and software-defined any time, any place.



DD series is the choice for transforming customers' data estate into value, protect critical business assets and streamlining operations for your Microsoft SQL Server data environment.



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