

Dell EMC PowerProtect Data Manager

Next generation software platform for proven and modern cloud data protection

Essentials

- **Software-defined data protection**
- **Autonomous operations:** Automated discovery and protection of databases, virtual machines, file systems and Kubernetes containers
- **Multi-cloud optimized:** Extend protection to the cloud with backup to cloud, backup in-cloud, long term retention and cloud disaster recovery
- **Unique VMware protection:** Ensure availability of all your VMs at scale without business disruption
- **Dynamic NAS Protection:** Achieve improved SLAs through simple, efficient management of NAS backup and recovery
- **Cyber recovery:** Increase business resiliency to rapidly recovery from cyber incidents
- **Self-service backup and restore:** Enable data owners from their native interfaces
- **Centralized oversight and governance:** Mitigate risk and assures compliance of SLAs and SLOs
- **Efficient protection:** Protect data directly to PowerProtect appliances
- **Simple protection workflows:** Minimize daily operations
- **Cloud-based monitoring and analytics**

Discover, manage, protect and restore data

- Kubernetes
- VMware Hyper-V and open hypervisors
- Oracle, Microsoft SQL and Exchange, SAP HANA
- Windows and Linux Filesystems

Gain the confidence that your data is protected and available to drive value as a business asset

The IT landscape has changed. Reasons to protect workloads extend beyond IT-driven application restores and disaster recovery scenarios. Backup requirements have transcended IT teams and have crossed over to application and data owners who aspire to do more than simply restore their data.

To support these expanding use cases and requirements, backup applications are transforming to provide more than just access to backups and restore capabilities including:

- Analysis and reuse for dev/test
- Leverage the cloud to extend data center capabilities
- Protect cloud native applications
- Enable self-service backup and restore from native applications
- Maintain centralized governance and control
- Increase business resiliency to rapidly recovery from cyber incidents

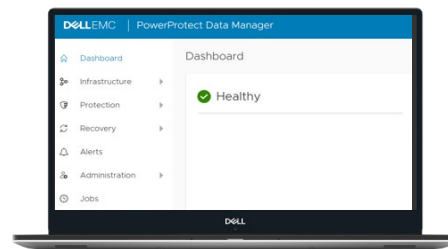
To address these requirements, Dell EMC PowerProtect Data Manager is at the forefront of this transformation to modern data protection.

Next generation cloud data protection

You can address these challenges by transitioning to a broader cloud data protection strategy. One that places you on the path to modernizing your data center and unlocks the value of your data and applications for everyone. This is an evolution – and it begins with PowerProtect Data Manager.

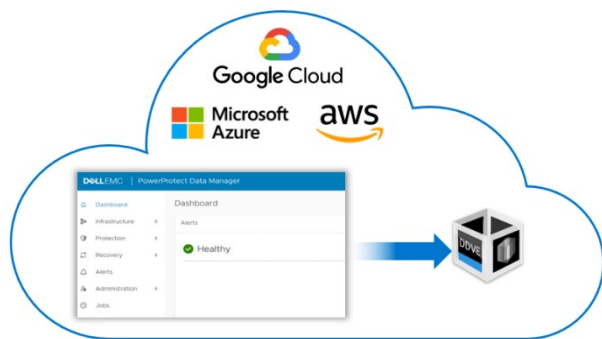
Data Manager gives you valuable insight into protected on-premises and in-cloud workloads, applications, file systems, and virtual machines (VMs). Plus, complete oversight and governance to ensure compliance.

Designed with operational simplicity and agility in mind, Data Manager enables the protection of traditional workloads including Oracle, Exchange, SQL, SAP HANA and file systems as well as Kubernetes containers and virtual environments. Restore data on-premises or in the cloud. Governance control ensures IT compliance, making even the strictest service level objectives obtainable.



Autonomous operations

Automatically discover and protect databases, VMs, file systems and Kubernetes containers, while a common policy engine automates compliance and governance across workloads. You can instantly access protected VM images to support new use cases such as quickly deploying development and test environments. Data Manager integrations make it the only solution to provide native vSphere Storage Policy Based Management integration for VM protection¹, offering storage and backup admins, as well as VM owners, the ability to choose a storage policy to apply to every VM automatically when it is instantiated.



Multi-cloud optimized

Leverage the cloud for backup, long-term retention and disaster recovery. Whether you're focusing on private, public or hybrid cloud, you can be confident your data is protected at the level you need.

Data Manager extends protection to the cloud by tiering backups to cloud storage for long-term retention to minimize costs and maximize access to backups without impacting on-premises protection storage resources.

Data Manager protects in-cloud workloads running on AWS, Azure and Google Cloud, as well as enables disaster recovery to the public cloud. Automated orchestration of fail-over, failback and testing simplify production disaster recovery scenarios. Easy to install and deploy from the AWS, Azure and Google Cloud Marketplaces, Data Manager along with PowerProtect DD Virtual Edition deliver a high level of performance and efficiency through deduplication.

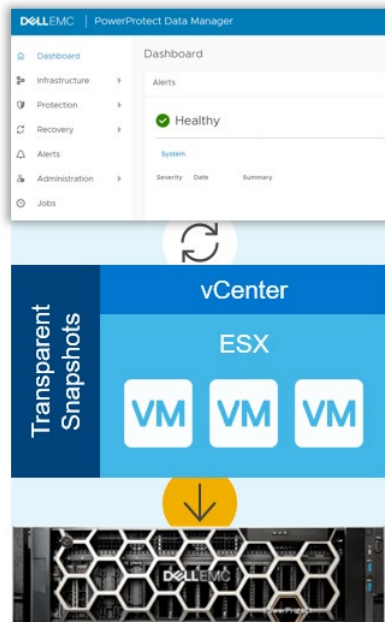
Data Manager also brings enterprise data protection for the VMware Tanzu portfolio, both on-premises and in the cloud. With VMware running Kubernetes everywhere, enabling the protection of Tanzu is essential for business operations.



Protect cloud-native workloads across multiple public clouds

Mission and business-critical applications deployed in public clouds require cloud-native methods to protect their data. Unfortunately, the level of native data protection available in public clouds isn't sufficient, consistent nor designed to reign in sprawl.

Use a single tool to discover, orchestrate and automate the protection of AWS and Azure workloads via powerful tag-based policies and REST APIs. As a SaaS component of Data Manager, PowerProtect Cloud Snapshot Manager protects cloud-native workloads across multiple public clouds. This provides you with global visibility and control and enables you to gain insight into data protection activities across your public cloud infrastructure.

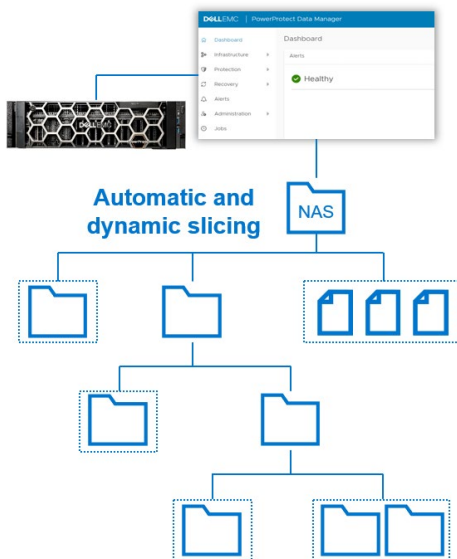


Change the way you protect VMware VMs with Transparent Snapshots

The volume of VMware data continues to grow and protecting that data at scale will only become more challenging. While alternate approaches have attempted to overcome the issues of VM latency and business disruption, all are fraught with undesirable compromises around latency, cost, scalability, performance and complexity. Transparent Snapshots enables you to protect your VMware environments more effectively while overcoming these challenges.

Transparent Snapshots simplifies and automates VM image-level protection and backs up virtual machines without the need to pause them during the backup process. The result is significantly reduced impact to business operations, especially on large, high-change-rate VMs. The simplified backup process also reduces infrastructure costs by removing the reliance on proxies for data movement.

Transparent Snapshots delivers up to 5x faster backups² and up to 5x reduction in VM latency³, effectively and efficiently backing up your VMs via a process that requires fewer steps. The result is less impact to your entire VMware environment, ensuring availability of all your VMs without business disruption.

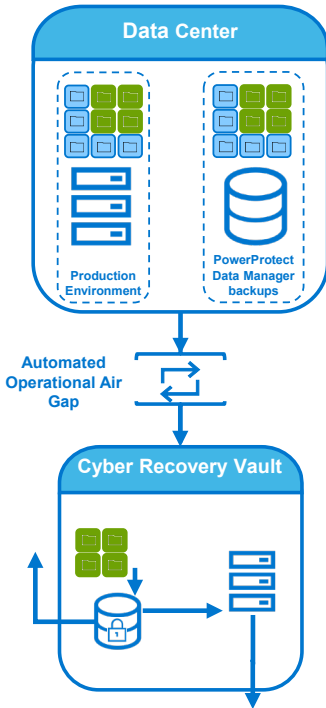


Automate and optimize protection of NAS infrastructure

Dynamic NAS Protection delivers a simple, modern way to protect your NAS systems. Efficiently running backups in parallel multi-streams, Dynamic NAS Protection automatically and dynamically slices NAS assets with load balancing for movement to protection storage. NAS assets are sliced dynamically, with slices being reassessed prior to each backup, with slices added, removed or rebalanced based on backup history and on changes in the content of the NAS asset being partitioned.

Dynamic NAS Protection also intelligently and automatically scales to optimize performance, enabling protection and recovery for any NAS that supports NFS or CIFS, including Dell EMC PowerStore, PowerScale and Unity.

By providing up to 3x faster backups⁴ and up to 2X faster restores⁵, Dynamic NAS helps you achieve improved SLAs through simple, efficient management of NAS backup and recovery.



Increase business resiliency with cyber recovery capabilities

Protecting your business starts with protecting your data. To reduce business risk caused by cyber attacks and to create a more cyber resilient approach to data protection, you can modernize and automate your recovery and business continuity strategies and leverage the latest intelligent tools to detect and defend against cyber threats.

As part of Data Manager, PowerProtect Cyber Recovery provides proven, modern and intelligent protection to isolate critical data, identify suspicious activity and accelerate data recovery allowing you to quickly resume normal business operations.

Self-service for data owners combined with central IT governance

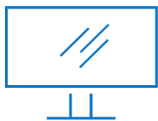
Extend data protection for expanding use cases while maintaining control by empowering data and application owners to perform self-service backup and restore operations from native applications directly to Dell EMC PowerProtect appliances. At the same time, Data Manager provides IT with the necessary oversight and governance to ensure compliance.

Data owners and administrators are also empowered with cloud-based monitoring and analytics through Dell EMC CloudIQ. Cloud IQ provides telemetry, machine learning and predictive analytics to proactively take action and speed time to resolution.



Take the next step

Contact your Dell sales representative or authorized reseller to learn more about how PowerProtect Data Manager can benefit your organization.



[Learn More](#) about PowerProtect Data Manager



[Contact](#) a Dell Technologies Expert

¹Based on Dell Analysis, September 2020

²When comparing PowerProtect Data Manager 19.9 with Transparent Snapshots backup performance to PowerProtect Data Manager with VADP backup performance. Based on Dell internal testing, August 2021.

³When comparing PowerProtect Data Manager 19.9 with Transparent Snapshots VM latency performance to PowerProtect Data Manager with VADP VM latency performance. Based on Dell internal testing, August 2021.

⁴When comparing PowerProtect Data Manager 19.9 with Dynamic NAS Protection backup performance to NDMP backups with Avamar. Based on Dell internal testing, August 2021

⁵When comparing PowerProtect Data Manager 19.9 with Dynamic NAS Protection restore performance to NDMP restore performance with Avamar. Based on Dell internal testing, August 2021