

Dell PowerProtect Data Manager

A data protection software platform for modern, multicloud workloads

MODERN

- **Software-defined data protection**
- **Integrated appliance:** Offered as a modern, simple and resilient data protection solution
- **Multicloud optimized:** Backup to cloud, backup in-cloud, long term retention and cloud disaster recovery
- **Superior VMware protection:** Transparent Snapshots ensures high performance for VMs at scale
- **Boost backup efficiency:** Storage Direct Protection simplifies data protection for Dell PowerStore and PowerMax
- **Discover, Manage, Protect and Restore:** Support for VMware, Kubernetes, enterprise databases, cloud-native workloads, and file systems.

SIMPLE

- **Autonomous operations:** Automated discovery and protection of databases, VMs, file systems and containers
- **Self-service backup and restore:** Enable data owners from their native interfaces
- **Centralized oversight and governance:** Mitigate risk and assures regulatory compliance
- **Simple protection workflows:** Reduce daily tasks
- **Cloud-based monitoring and analytics**

RESILIENT

- **Cyber recovery:** Increase business resiliency to rapidly recovery from cyber incidents
- **Efficient protection:** Maximize security, performance and scalability with PowerProtect appliances

Gain the confidence that your data is protected and available in an AI world

As the IT landscape continues to evolve, the expectations for AI are higher than ever. Protecting workloads now extends beyond traditional IT-driven restores and disaster recovery. Backup requirements and responsibilities have shifted over to application and data owners.

Recognizing the role in preserving your infrastructure, Dell Technologies offers a data protection software designed to secure modern workloads, providing more than just access to backups and restores, including:

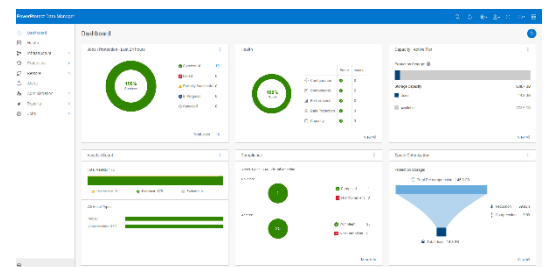
- Advanced analysis and reuse for dev/test
- Cloud leverage to extend data center functionality
- Protection for cloud native applications
- Self-service backup and restore options from native applications
- Centralized governance and control
- Enhanced business resiliency against cyber threats

To address these requirements, Dell PowerProtect Data Manager leads the way by providing modern, simple and resilient data protection, engineered for both traditional and modern AI workloads.

Experience modern 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. 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 works in tandem with PowerProtect Data Domain, or as an integrated appliance, to secure traditional workloads and file systems as well as modern workloads, like Kubernetes and virtual environments. Restore data on-premises or in the cloud. With compliance at the forefront, Data Manager aligns with stringent service level objectives, ensuring your organization is protected against evolving cyber threats.



Start your journey towards modern data protection with the PowerProtect Data Manager Appliance

The PowerProtect Data Manager Appliance includes PowerProtect Data Manager to deliver next generation multicloud data protection. It offers complete backup, deduplication, replication, recovery, instant access and restore, search and analytics, and seamless VMware integration – plus, cloud readiness with disaster recovery, long-term retention to the cloud as well as support for multicloud workloads. It is easy to deploy, manage and upgrade, and grows in place from 12TB to 256TB in 12TB increments – all with license keys, requiring no additional hardware, downtime, or complexity.¹ To learn more about the PowerProtect Data Manager Appliance, visit the [webpage](#) today.

Multicloud 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 APEX Protection Storage deliver a high level of performance and efficiency through deduplication.

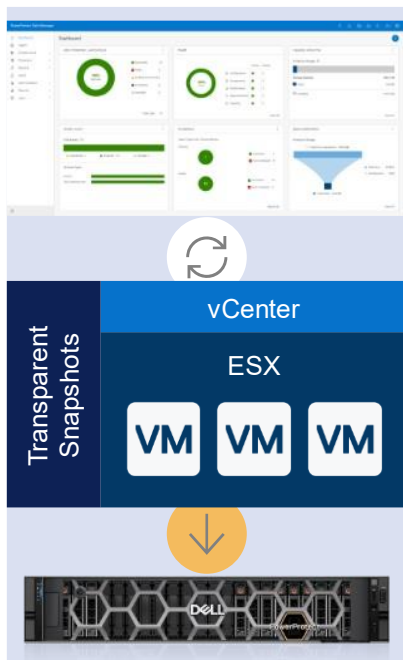
PowerProtect Data Manager also brings enterprise data protection for the VMware Tanzu portfolio, both on-premises and in the cloud. With VMware running Kubernetes everywhere, enabling the protection of Tanzu is essential for business operations.

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, up to 6x faster restores³ and up to 5x reduction in VM latency⁴, 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.

Optimized Dell Storage protection with Storage Direct Protection



PowerProtect Data Manager can now be leveraged with both Dell, offering fast backup and recovery for multiple clusters, resulting in shorter RPOs. Storage Direct Protection extends efficient and secure data protection to the broader Dell storage offerings, including full restores to original or alternate like-for-like Dell storage systems. PowerProtect Data Manager helps simplify operations with centralized management and orchestration, as well as automatic discovery and protection of new volumes. With all the benefits of PowerProtect Data Manager and PowerProtect Data Domain, including Instant Access, image-level restores, retention lock support and Transparent Snapshots, you can easily protect multiple PowerMax and PowerStore clusters with application-consistent snapshots.

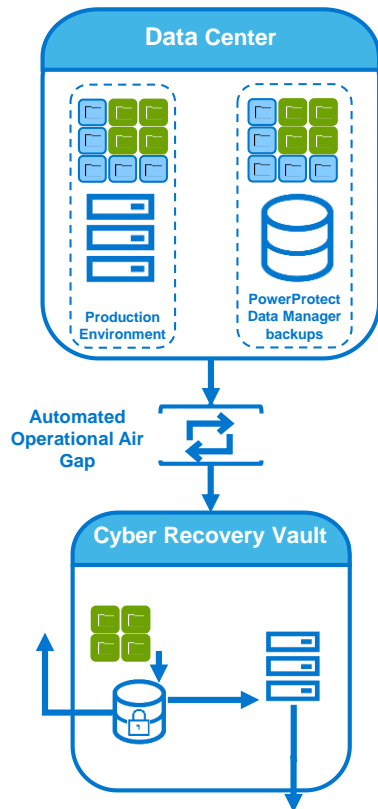
Autonomous operations

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 assets to support new use cases such as quickly deploying development and test environments. Data Manager integrations provide native vSphere Storage Policy Based Management integration for VM protection, 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.

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 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 APEX AIOps. APEX AIOps provides telemetry, machine learning and predictive analytics to proactively take action and speed time to resolution.



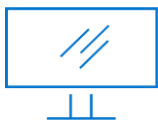
Increase business resiliency with cyber recovery capabilities

Protecting your business starts with protecting your data. To reduce business risk caused by cyberattacks 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.

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

1. If starting at less than 24TB, a simple field upgrade kit is required to bridge from 24TB to larger capacities.
2. When comparing PowerProtect Data Manager 19.16 with Transparent Snapshots backup performance to PowerProtect Data Manager 19.16 with VADP backup performance. Based on Dell internal testing, June 2024.
3. When comparing PowerProtect Data Manager 19.16 with Transparent Snapshots restore performance to PowerProtect Data Manager 19.16 with VADP restore performance. Based on Dell internal testing, June 2024.
4. When comparing PowerProtect Data Manager 19.16 with Transparent Snapshots VM latency performance to PowerProtect Data Manager 19.16 with VADP VM latency performance. Based on Dell internal testing, June 2024.