

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, Hyper-V, 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
- **Cloud-based monitoring and analytics**

RESILIENT

- **Proactive threat detection:** Anomaly Detection uses ML to quickly identify suspicious activity during backups, ensuring security and integrity with minimal resource impact.
- **Cyber recovery:** Increase business resiliency to rapidly recovery from cyber incidents
- **Efficient protection:** Maximize security, performance and scalability with PowerProtect Data Domain

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:

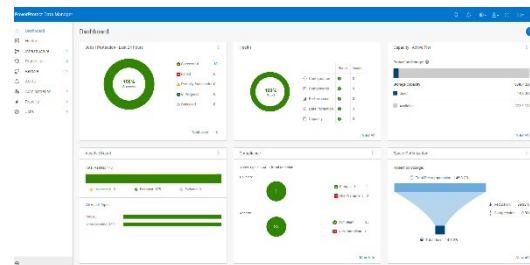
- Advanced analysis and reuse for dev/test
- Cloud leverage to extend data center functionality
- Protection for cloud native applications
- Self-service backup and restore options from native applications
- Centralized governance and control
- Enhanced business resiliency against cyber threats

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.



Dell PowerProtect Data Domain Virtual Edition

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.

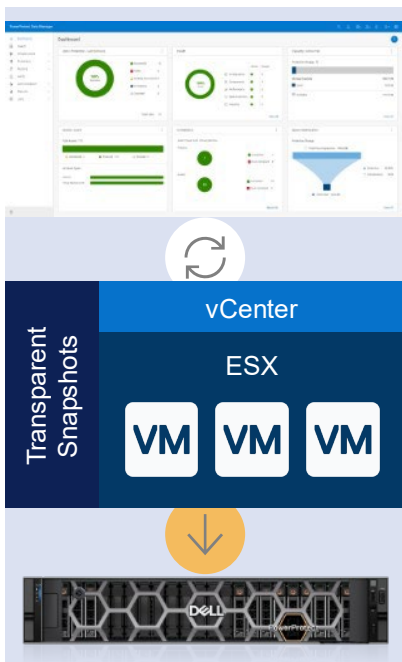
Data Manager protects in-cloud workloads running on AWS, Azure and Google Cloud, as well as enables disaster recovery to the public cloud. Automated orchestration of fail-over, failback and testing simplify production disaster recovery scenarios. Easy to install and deploy from the AWS, Azure and Google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

PowerProtect Data Manager also brings enterprise data protection for the VMware Tanzu and Hyper-V portfolio, both on-premises and in the cloud. And now with Azure Local support, you can extend your Hyper-V protection to on-premises environments seamlessly.

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.



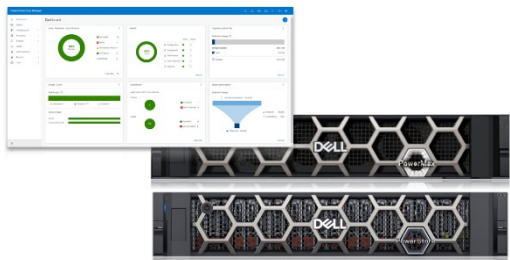
Change the way you protect VMware VMs with Transparent Snapshots

Transparent Snapshots, a feature of Dell PowerProtect Data Manager, redefines how you protect VMware environments at scale. By automating VM image-level backups, it removes the need to pause VMs during the backup process, ensuring continuous availability without business disruption. Designed for simplicity and performance, Transparent Snapshots provides up to 5x faster backups, 6x faster restores, and reduces VM latency by up to 5x.

This innovative approach eliminates proxies for data movement, reducing infrastructure costs and complexity while improving efficiency. It's storage agnostic, supports NFS and vSAN, and automatically scales with your VMware environment, making it ideal for large, fast-growing deployments. With Transparent Snapshots, you'll experience seamless backups, lower costs, and simplified management—all while reducing the risk of data loss. Modernize your VMware backup strategy today with Transparent Snapshots.

Optimized Dell Storage protection with Storage Direct Protection

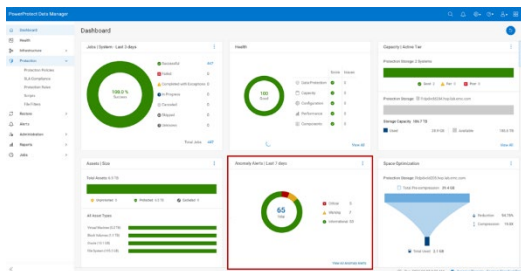
PowerProtect Data Manager can now be leverage with both Dell, offering fast backup and recovery for multiple clusters, resulting in shorter RPOs. Storage Direct Protection extends efficient and secure data protection to the broader Dell storage offerings, including full restores to original or alternate 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.

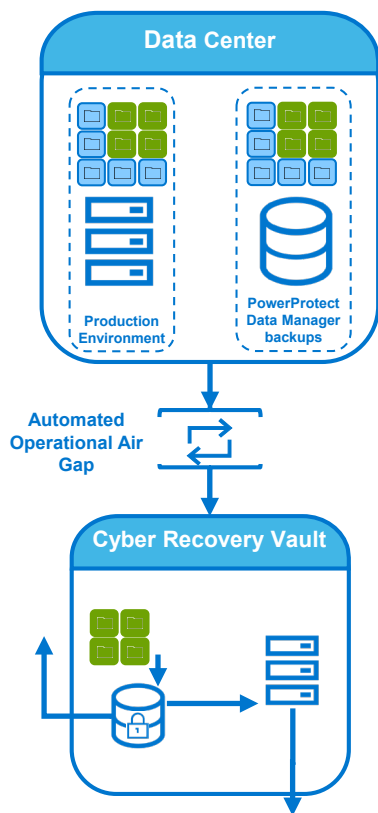


Secure your data with Anomaly Detection

Proactively protect your data against cyber threats with Anomaly Detection. This feature offers early threat detection of unusual file activities during backups, providing immediate insights into potential security risks. Using advanced machine learning algorithms, Anomaly Detection reviews metadata, behavior patterns and system configurations to flag suspicious activity, helping to protect your production environment from ransomware and other threats.

Anomaly Detection is designed to operate seamlessly within PowerProtect Data Manager, offering lightweight, comprehensive monitoring without requiring third-party solutions - all at no additional cost. With a focus on data integrity validation, this feature ensures your backup data is secure and recoverable — helping your organization maintain operational consistency and business resilience.





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.

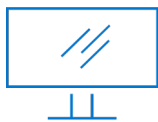
As part of Data Manager, PowerProtect Cyber Recovery provides proven, modern and intelligent protection to isolate critical data, identify suspicious activity and accelerate data recovery allowing you to quickly resume normal business operations.

Autonomous operations with self-service flexibility

Automatically discover and protect databases, VMs, file systems and Kubernetes containers through a common policy engine that ensures compliance and governance across workloads. Access protected assets instantly for deployment environments while benefiting from native vSphere Storage Policy integration. Empower data owners to perform self-service backup and restore operations from native application while it maintains governance through Multi-System Reporting. Dell APEX AIOps provides cloud-based monitoring with machine learning and predictive analytics, enabling proactive resolution and empowering both administrators and data owners to take action.

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.