Dell PowerProtect Data Manager

A cyber resilient software platform for modern, multicloud workloads

MODERN

- **Software-defined cyber resilience w**ith flexible deployment options

- **Multicloud optimized**: Backup to cloud, backup in-cloud, long term retention and cloud disaster recovery

- **Superior VMware protection**: Transparent Snapshots delivers 5x faster backups[1] and 6x faster restores[2] with near-zero VM impact

- **Boost backup efficiency**: Storage Direct Protection for Dell PowerStore and PowerMax

- **Discover, Manage, Protect and Restore:** VMware, Hyper-V, Nutanix AHV, Kubernetes, databases, AI workloads, cloud-native workloads and file systems

SIMPLE

- **Autonomous operations**: Automated discovery and protection of databases, VMs, file systems and containers

- **Self-service with centralized governance:** Enable data owners from native interfaces while mitigating risk and assuring regulatory compliance

- **Cloud-based monitoring and analytics** with AI-driven automation (Dell AIOps)

- Available in an appliance form factor with centralized management in a single UI

RESILIENT

- **Intelligent threat detection:** ML-powered Anomaly Detection identifies suspicious activity with centralized investigation, policy-level exclusions and actionable threat response

- **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

Organizations face mounting pressure to protect AI workloads and modern applications while defending against sophisticated cyber threats. As backup requirements shift to application and data owners, traditional IT-driven approaches are no longer sufficient.

PowerProtect Data Manager addresses these challenges as the industry's leading cyber resilience platform. Dell Technologies offers cyber resilience 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

Dell PowerProtect Data Manager leads the way by providing modern, simple and resilient cyber resilience, engineered for both traditional and modern workloads.

Experience modern cyber resilience

You can address these challenges by transitioning to a broader cloud cyber resilience strategy that modernizes your data center and unlocks the value of your data and applications for everyone.

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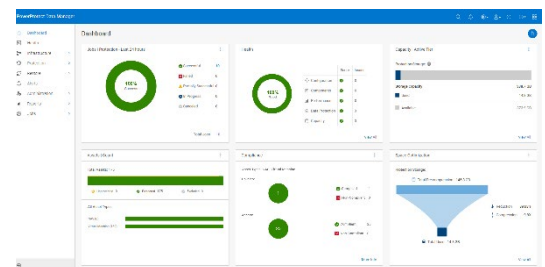
Designed with operational simplicity and agility in mind, Data Manager works in tandem with PowerProtect Data Domain to secure traditional workloads and file systems as well as modern workloads, like Kubernetes and virtual environments. Restore data on-premises or in the cloud. With compliance at the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

Dell PowerProtect Data Domain Virtual Edition

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, minimizing costs while maximizing backup access. Archive to object support includes Wasabi-hosted Dell ObjectScale, Microsoft Azure for file systems and SQL Server, and AIX platform support. Data Manager protects in-cloud workloads running on AWS, Azure and Google Cloud, and enables disaster recovery to the public cloud with Data Domain Virtual Edition delivering high performance through deduplication.

PowerProtect Data Manager brings enterprise data protection for VMware Tanzu and Hyper-V, both on-premises and in cloud, with WDAC support for secure Hyper-V environments and application-consistent protection.

## Protect cloud-native workloads across multiple public clouds

Mission and business-critical applications including Kubernetes containers (EKS, AKS, GKE), Ai infrastructure and cloud-native workloads deployed in the public cloud require enterprise-grade protection methods. Unfortunately, the level of native cyber resilience available in public clouds isn't sufficient, consistent nor designed to reign in sprawl.

PowerProtect Data Manager discovers, orchestrates and automates protection for AWS and Azure workloads via tag-based policies and REST APIs. PowerProtect Cloud Snapshot Manager protects cloud-native workloads across multiple public clouds, providing global visibility and control. For Dell NativeEdge edge computing environments, Data Manager delivers industry-first co-engineered protection with image-level backup for KVM virtual machines.

Secure your data with Anomaly Detection

Intelligently protect your data against cyber threats with Anomaly Detection. This feature offers early threat detection of unusual file activities after 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 operates seamlessly within PowerProtect Data Manager with lightweight, comprehensive monitoring at no additional cost. The dedicated Review Analysis Page centralizes investigation with policy-level exclusions and actionable workflows for verification and false positive reporting, ensuring your backup data is secure and recoverable while maintaining operational consistency.
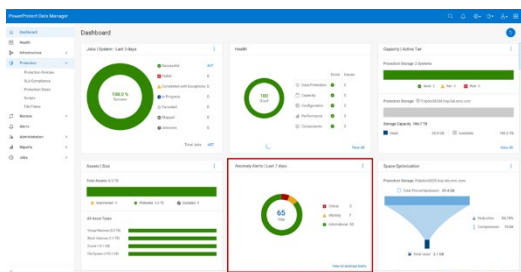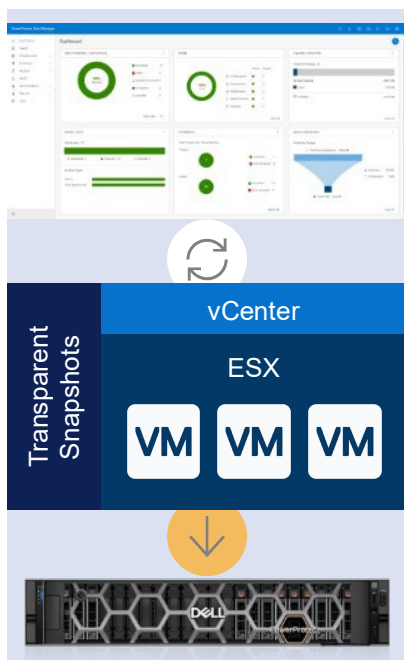
Change the way you protect VMware VMs with Transparent Snapshots

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[1], 6x faster restores[2], and reduces VM latency by up to 5x[3].

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.
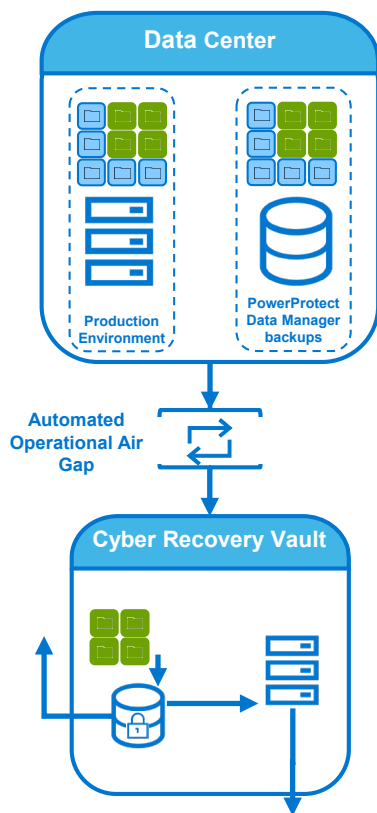
Optimized Dell Storage protection with Storage Direct Protection

PowerProtect Data Manager with Storage Direct Protection delivers fast backup and recovery for Dell PowerMax and PowerStore, with shorter RPOs through application-consistent snapshots. Centralized management with automatic discovery simplifies operations. Benefits include Instant Access, image-level restores, retention lock support and Transparent Snapshots for comprehensive protection of multiple storage clusters.

PowerProtect Data Manager Appliance

The new PowerProtect Data Manager Appliance is a software-defined solution that takes scalability, flexibility, and performance to the next level. The Data Manager Appliance is the best way to achieve cyber resilience with Dell PowerProtect. With a single, easy-to-manage interface, you get consistent backup and storage operations without the hassle all while reducing management overhead by 50%.[4]

Data Center

Production Environment

PowerProtect Data Manager backups

Automated Operational Air Gap

Cyber Recovery Vault

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, AI workloads and Kubernetes containers including OpenShift virtualization and VMware Tanzu 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.

Deploy PowerProtect Data Manager through VMware virtual environments or direct RHEL and SLES Linux deployment, providing infrastructure flexibility while maintaining consistent cyber resilience capabilities.

Empower data owners to perform self-service backup and restore operations from native application while it maintains governance through Multisystem Reporting. Dell 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

Experience the industry-leading cyber resilience platform. Contact your Dell sales representative or authorized reseller to learn more about how PowerProtect Data Manager can benefit your organization.
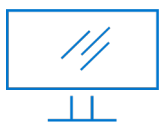
[Learn More](#) about PowerProtect Data Manager

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