

# Dell EMC PowerProtect Data Manager

Next generation 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 - leverage the cloud for all cloud data protection use cases, including long term retention, disaster recovery, backup to cloud and backup in cloud
- 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 DD and Integrated Data Protection Appliance
- Cyber recovery – increase business resiliency to rapidly recovery from cyber incidents
- Simple protection workflows minimize daily operations
- SaaS-based monitoring & reporting

## Discover, manage, protect and restore data

- Kubernetes containers
- VMware and open hypervisors, including Nutanix, Citrix, Red Hat, KVM, and others
- Oracle
- Microsoft SQL and Exchange
- SAP HANA
- Windows and Linux Filesystems

Gain confidence 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. Backup requirements have transcended IT teams and crossed over to application and data owners who aspire to do more than simply restore 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

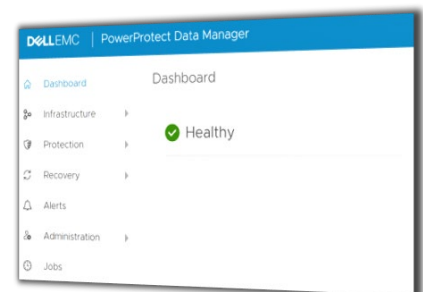
In order to address this wide range of requirements, PowerProtect Data Manager is at the forefront of this transformation to modern data protection.

## Modern cloud data protection

Address these challenges by transitioning into 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 goes beyond the ability to backup and restore data. It gives you valuable insight into protected on-premises and in-cloud workloads, applications, file systems, and virtual machines. 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, virtual machines, file systems and Kubernetes containers, while a common policy engine automates compliance and governance across workloads. You can instantly access protected virtual machine images to support new use cases such as quickly deploying development and test environments.

## Multi-cloud optimized

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

PowerProtect Data Manager extends protection to the cloud by tiering backups to cloud storage for long-term retention to maximize retention and access to backups without impacting on-premises protection storage resources. Data Manager also protects in-cloud workloads running on AWS, as well as enables disaster recovery to the public cloud. Automated orchestration of fail-over, failback and testing simplify production disaster recovery scenarios.

## 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 protection storage appliances. When superior performance is crucial, Data Manager provides a direct path between Dell EMC storage and PowerProtect DD Series Appliances. At the same time, PowerProtect Data Manager provides IT with the necessary oversight and governance to ensure compliance. Data owners and administrators are also empowered to manage service level objectives with SaaS monitoring and reporting.

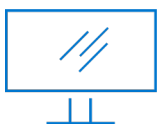
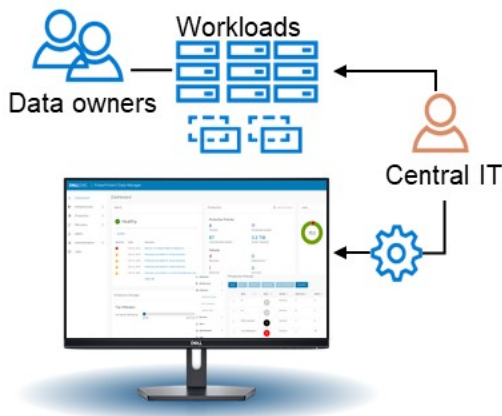
## Increase business resiliency with cyber recovery capabilities

Protect, isolate and recover your business-critical data from cyber attacks through automated workflows to protect and isolate critical data, identify suspicious activity and accelerate recovery to allow you to quickly resume normal business operations.

## Drive new business outcomes

Unlock the true business value of your data – your most critical business asset – with data protection from edge to core to cloud.

PowerProtect Data Manager offers cost-effective modern data protection for on-premises and in-cloud database workloads, Kubernetes containers, virtual machines and filesystems enabling you to meet your real-time business needs easier and drive new business outcomes.



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## Dell EMC PowerProtect Data Manager 新一代雲數據保護

[\(/Brand/Info/5\)](#)

概要 • 軟件定義的數據保護 • 自動運行 — 自動發現和保護數據庫、虛擬機、文件系統和 Kubernetes 容器 • 多雲優化 — 利用雲來滿足所有雲數據保護應用場景需求，包括長期保留、災難恢復、備份到雲和雲中備份 • 自助備份和還原 — 支持數據所有者從本機界面進行備份和還原 • 集中監督和治理 — 降低風險並確保符合 SLA 和 SLO • 高效保護 — 將數據直接存儲到 PowerProtect DD 和融合備份一體機進行保護 • 簡單的保護工作流可更大限度減少日常操作 • 基於 SaaS 的監視和報告



## 保護您的數據，讓您放心無憂

IT 環境已發生改變。保護工作負載的原因不僅僅是 IT 推動的應用程序還原和災難恢復。備份要求已不再局限於 IT 團隊，而是轉移到了應用程序和數據所有者身上，他們希望做的不只是還原數據。

為了支持這些不斷擴展的應用場景和要求，備份應用程序正在進行轉型，在備份和還原之外提供更多功能，包括：

- 開發/測試的分析和重用
- 利用雲擴展數據中心功能
- 保護雲原生應用程序
- 從原生應用程序啟用自助備份和還原
- 保持集中式治理和控制
- 提高業務彈性，快速地從網絡事件中恢復

為了滿足這一系列要求，PowerProtect Data Manager 走在向現代數據保護轉變的前沿。

## 新一代雲數據保護

通過轉向更廣泛的雲數據保護戰略來應對這些挑戰。這樣一來，您將踏上打造現代化數據中心之路，並充分發掘數據和應用程序的價值，滿足各種各樣的要求。這是一場始於 PowerProtect Data Manager 的變革。

Data Manager 的功能不只是備份和還原數據。利用 Data Manager，您可以深入了解受保護的本地和雲中的工作負載、應用程序、文件系統和虛擬機。此外，它還可實現全面的監督和治理，以確保合規性。

秉承操作簡便性和敏捷性設計理念，除了 Kubernetes 容器和虛擬環境，Data Manager 還能夠保護傳統工作負載，包括 Oracle、Exchange、SQL、SAP HANA 和文件系統。還原本地或雲中的數據。監管控制可確保 IT 合規性，從而實現更嚴格的服務級別目標。

## 多雲優化

利用雲實現備份、長期保留和災難恢復。無論您關注的是私有雲、公有雲還是混合雲，都可以確信您的數據受到所需級別的保護。PowerProtect Data Manager 將備份分層到雲存儲來實現長期保留，從而在不影響本地保護存儲資源的情況下在更長時間內保留和訪問備份，以此將保護擴展到雲。Data Manager 還可保護在 AWS 上運行的雲中工作負載，還支持向公有雲進行災難恢復。故障轉移、故障恢復和測試的自動化編排簡化了生產災難恢復場景。

## 自助服務面向數據所有者，並結合了集中化 IT 治理

使數據和應用程序所有者能夠從本機應用程序直接向 Dell EMC 保護存儲設備執行自助備份和還原操作，隨著應用場景的不斷擴展，進一步擴大數據保護範圍，同時保持控制力。當卓越的性能是關鍵所在時，Data Manager 可在 Dell EMC 存儲和 PowerProtect DD 系列數據保護專用存儲設備之間提供直接路徑。同時，PowerProtect Data Manager 還為 IT 部門提供必要的監督和治理以確保合規性。數據所有者和管理員還能夠通過 SaaS 監視和報告來管理服務級別目標。

## 通過網絡恢復功能提高業務彈性

通過自動化工作流保護和隔離業務關鍵數據並識別可疑活動，防止這些關鍵數據受到網絡攻擊，並在需要時加速恢復這些數據，從而快速地恢復正常的業務運營。

收穫新業務成果 通過從邊緣到核心再到雲的數據保護，發揮您最重要的業務資產 — 數據的真正商業價值。

PowerProtect Data Manager 為本地和雲中數據庫工作負載、Kubernetes 容器、虛擬機和文件系統提供經濟高效的現代數據保護，使您能夠更輕鬆地滿足實時業務需求並推動取得新的業務成果。



## 相關解決方案

- Dell EMC PowerProtect DataDomain數據保護專用存儲設備 (/Solution/Detail?solutionid=53)