

Optimizing Dell PowerMax with Copy Data Management (CDM) Software

Improve business outcomes with smarter copy management

Enhancing Dell PowerMax Storage Efficiency

Dell provides and integrates Storage Defender Copy Data Management (CDM) to enhance PowerMax storage by automating data copy creation, tracking, and lifecycle management.

This solution streamlines operations, accelerates DevOps and analytics, and strengthens data protection through seamless integration with Dell's snapshot and replication features.

Overview

IBM Storage Defender Copy Data Management (CDM) empowers organizations to optimize their data environments by efficiently managing and orchestrating copies of data across hybrid cloud environments. It helps reduce storage costs, improve operational efficiency, and ensures data availability for backup, disaster recovery, DevOps, and analytics.

Key Features

CDM is designed to simplify and enhance the way organizations manage their data copies. By automating copy management processes, it enables businesses to unlock cost savings, boost operational efficiency, and improve data accessibility for a variety of critical use cases.

Automated Copy Management

- Simplify and automate data copy creation, retention, and lifecycle management.
- Avoid unnecessary duplication of data to reduce storage costs.

Application-Aware Copies

- Supports application-consistent snapshots for databases and enterprise applications such as Oracle, SQL Server, SAP HANA, EPIC Cache, VMware and file systems
- Provides integration with popular backup and recovery tools.

Self-Service Access

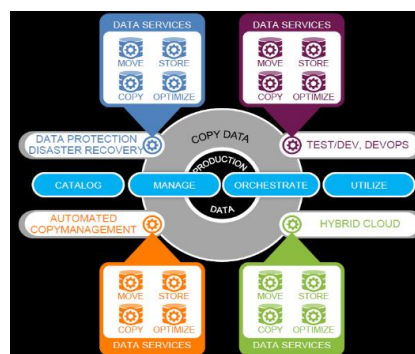
- Enables DevOps teams, application owners, and other stakeholders to provision and manage copies without relying on IT admins.

Data Compliance and Governance

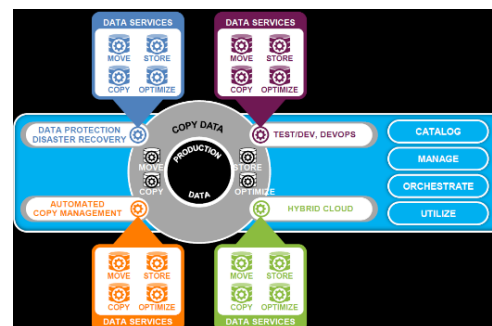
- Enforce data retention policies to meet regulatory compliance requirements.
- Maintain audit trails and data version history.

Disaster Recovery

- Accelerate disaster recovery with automated recovery workflows.
- Leverage data copies for rapid recovery and minimized downtime.



Before CDM: Each use case requiring its own solution that's complex and costly to deploy



After CDM: One common copy data software-only solution across multiple use cases

Key Benefits Storage Defender CDM delivers tangible benefits that enhance business efficiency and reduce operational complexity:

- **Cost Savings:** Reduce storage costs by eliminating unnecessary data copies and optimizing storage utilization.
- **Operational Efficiency:** Automate manual data management processes to save time and reduce errors.
- **Improved Agility:** Accelerate application development and testing by providing on-demand access to data copies.
- **Enhanced Protection:** Ensure data availability and recoverability with reliable disaster recovery capabilities.
- **Compliance and Governance:** Easily enforce data governance and retention policies to meet regulatory standards.

Solution Specifications CDM is equipped with robust technical capabilities to meet diverse enterprise requirements:

| Category | Supported Platform/Feature |
|---------------|--------------------------------------------------------------------------------------------------------|
| Applications | Oracle, MS SQL, VMware vSphere, InterSystems EPIC Cache, File Systems |
| Storage | PowerMaxOS 10.x (Local snapshots, Sync/Async Replication) |
| Workflows | Policy-driven, hiding underlying complexities Protect/Recover in few clicks Automated scheduling |
| Monitoring | Dashboards and Reports |
| Deployment | VMWare OVA, Zero-touch Application agents |
| Security | Role Based Access Control (RBAC), MFA |
| Extensibility | Built-in scripting engine for advanced use cases REST APIs |

Use Cases CDM addresses a wide range of use cases to streamline operations and enhance data copy management:

1. **DevOps Enablement:** Deliver fast, self-service access to data copies for development and testing teams.
2. **Backup Modernization:** Eliminate traditional backup bottlenecks with snapshot-based recovery.
3. **Disaster Recovery:** Streamline DR processes with automated recovery workflows
4. **Data Governance:** Ensure compliance with industry regulations through automated data retention and audit capabilities.



[Learn more](#) about Dell Storage Solutions

To learn more about Storage Defender Copy Data Management, visit <https://www.dell.com/support/product-details/en-us/product/storage-defender-cd-management/overview> or contact your Dell representative today.