

Multi-Cloud Data Services for Dell EMC PowerProtect

Multi-Cloud Data Protection

Trusted and Centralized

- Leverage proven, highly efficient enterprise-grade features
- Single destination protection for applications
- Restore data to any public cloud provider
- Avoid cloud vendor lock-in by keeping data independent of the cloud

Cost-Effective

- \$0 egress fees to Microsoft Azure and Oracle Cloud
- Up to 65:1 deduplication ratio¹
- High-bandwidth, low-latency direct connection to public clouds

Reduce Management Overhead

- Purchased and delivered as a fully managed service
- Lower risk and deliver higher uptime
- Resolve management complexity with one consistent data protection strategy

Multi-Cloud Protection for On-Premises and Native Cloud Workloads

The rapid adoption of public cloud is driving innovation and the creation of hundreds of new services and tools to develop and deploy new applications. These services differ from cloud to cloud, making it difficult for organizations to determine which public cloud provider is right for them. As a result, many organizations end up deploying across multiple clouds depending on the needs of their specific applications, which leads to increased complexity and tool proliferation. All of this can drive up resource costs and lead to inefficient backup processes with low reliability. In addition, the migration of data from one cloud to another is subject to high egress costs.

As organizations are redistributing and extending their data to the cloud or to multiple clouds, protection of that data becomes critical. In today's data-driven world, data loss is unacceptable and quick access to information at the core of decision making. Effective data protection is a critical component of every successful business. Yet, data protection comes with a unique set of challenges because the public cloud providers leave the responsibility of protecting the data up to the user. This means that users who have applications deployed across one or multiple public clouds often must manage multiple data protection solutions. This is exacerbated when these approaches do not align with an existing on-premises data protection strategy. This creates an opportunity for a true multi-cloud data protection solution with centralized protection storage.

Multi-Cloud Data Protection

By implementing a multi-cloud data protection solution, users and developers can avoid cloud vendor lock-in by keeping data independent of the cloud, to reduce worry about high egress charges, migration risk, or time required to move data. Multi-Cloud Data Services for Dell EMC PowerProtect, enabled by Faction, supports a data centric approach for users, allowing them to separate their data and cloud management strategies across public cloud providers. Multi-Cloud Data Services for Dell EMC PowerProtect is a fully managed service that provides a single target for backup and recovery for AWS, Microsoft Azure, Google Cloud and Oracle Cloud.

The multi-cloud capability is enabled by low latency, high throughput connections from a Dell EMC PowerProtect appliance in a central location

adjacent to the public cloud providers. This architecture enables dynamic connectivity between backup source locations in the cloud and the Multi-Cloud Data Services for Dell EMC PowerProtect service. This gives the customer end-to-end flexibility to adjust throughput and backup windows to meet data protection policies as part of an overall IT strategy without resource underutilization and management overhead. This cost-effective solution offers customers \$0 egress fees from Microsoft Azure and additionally takes advantage of the highly efficient deduplication of PowerProtect DD, providing customers with a cost-effective solution that allows them to meet stringent SLAs.

Simplify Data Management

Multi-Cloud Data Services for Dell EMC PowerProtect is a fully managed service that gives organizations a single namespace across on-premises and public clouds to protect their data and applications, allowing organizations to manage their data separate from the public cloud. Leveraging a single destination for backup, archive and long-term retention, Multi-Cloud Data Services for Dell EMC PowerProtect not only offers organizations the ability to protect data running in

¹ Based on Dell EMC internal testing of PowerProtect DD with DDOS 7.0 and NetWorker with DD Boost, July 2020. Actual results may vary.

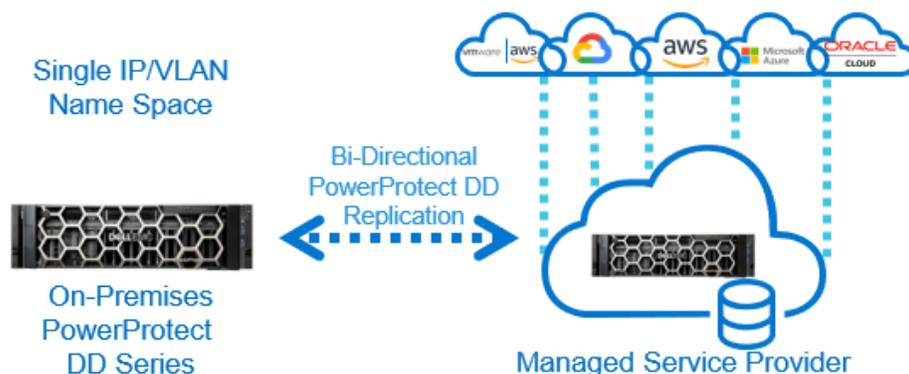
the cloud provider of their choice, with one copy of their data deduplicated across all clouds, but it also protects on-premises applications and simplifies their networking and operations. Now organizations can have one consistent data protection storage strategy, instead of managing data separately in each public cloud.

Cloud Disaster Recovery

Multi-Cloud Data Services for Dell EMC PowerProtect allows organizations to restore point-in-time data availability to the public cloud provider of their choice at any time. In the event of data failure or data loss, the multi-cloud attachment allows customers to spin up their data on-demand in any public cloud, avoiding cloud vendor lock-in. This high-performance solution allows you to recover applications to the cloud quickly and simply by taking advantage of high bandwidth, low latency direct connections to all the public clouds via patented Layer 2 networking technology.

Backup and Replication

Organizations can use their multi-cloud targets for their basic backup operations without burdening their on-premises activities. Multi-Cloud Data Services for Dell EMC PowerProtect provides the ability to protect on-premises data and applications in a cloud-adjacent location by leveraging familiar and trusted array-based replication from on-premises PowerProtect DD appliances replicating to the target device for multi-cloud service.



Long Term Retention

This solution can also be used for long-term retention of data on-premises and/or in the cloud. Multi-Cloud Data Services for Dell EMC PowerProtect provides the backup administrator a remote site to protect and store data that needs to meet governance and compliance for regulatory processes in an as-needed fashion. This lessens the under-utilization of on-premises storage. Quality assurance and test/dev teams can also benefit by moving workloads between endpoints to and from cloud targets to assure that production copies will work, decreasing software errors and creating more agile practices.

Dell EMC PowerProtect DD Series

The multi-cloud capability of the service is enabled by fully managed, low latency, high throughput connections which enable dynamic connectivity between on-premises PowerProtect DD and the PowerProtect for multi-cloud managed service. PowerProtect DD Series Appliances provide organizations with powerful data management and protection from edge to core to cloud. This solution leverages the enterprise-grade features of the PowerProtect DD to meet stringent governance and compliance policies and deliver up to 65x data deduplication¹ to provide organizations with even greater storage efficiencies and lower costs. This solution brings the same features and benefits of an on-premises PowerProtect appliance to multi-cloud, delivered as a service.

Dell Technologies Data Protection Solutions – Leading your way to the Cloud

As applications move to the cloud, flexible, simple backups and restores of data hosted in the public cloud, as well as the ability to move workloads across clouds becomes extremely valuable and allows organizations to select the right place for their workloads to run. Multi-Cloud Data Services for Dell EMC PowerProtect protects data hosted in multiple public clouds from a single destination with confidence and at a low cost-to-protect. For more information, start here.



[Learn more](#) about Multi-Cloud Data Services for Dell EMC PowerProtect



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[Learn](#) more about Cloud Data Protection and Backup Solutions



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