



Solution Overview

Data Fabric Solution for Cloud Disaster Recovery

Achieve cost and operational efficiencies with a hybrid cloud

Key Benefits

Retain Control of Business Data

Achieve the cost and flexibility benefits of public cloud resources for disaster recovery (DR) operations while maintaining control of business data in a hybrid cloud infrastructure.

Sustain Business Continuity

Rapidly recover data from anywhere if a system failure occurs. By replicating data to the cloud, your organization can quickly recover operations from any other facility if an outage occurs at the primary site

Streamline Deployment

Take the guesswork out of defining system components for an effective cloud-based data protection solution. Quickly get up and running with NetApp® FAS and All Flash FAS solutions that meet DR requirements.

Achieve Cost Savings and Flexibility with Cloud-Based Data Protection

An effective disaster recovery (DR) strategy prevents operations from being brought to a standstill, avoiding lost productivity and revenue and avoiding damage to your reputation. The usage-based model of cloud computing is well suited for DR, and it offers a viable alternative to on-premises solutions. Moving DR operations to the cloud reduces data center space and storage infrastructure, resulting in cost savings and flexibility. With cloud-based DR, you can:

- Meet recovery time and recovery point objectives by storing data in a secure, remote online facility that recovers data faster than with tape.
- Replicate data and quickly fail over to an off-site facility when an outage occurs.
- Instantly resize storage capacity as your data requirements change.

Implementing a hybrid cloud allows IT to continue to control and align the appropriate levels of data performance, protection, and security across on-premises data centers as well as cloud infrastructures.

Modern and Efficient Data Protection for the Data Fabric

Protecting data is a necessary requirement for long-term business viability. Implementing a hybrid cloud allows IT to continue to control and align the appropriate levels of data performance, protection, and security across on-premises data centers as well as cloud infrastructures. With the Data Fabric Solution for Cloud Disaster Recovery, NetApp can help you transform your storage and data protection to help solve your immediate data protection challenges.

NetApp Data Fabric Solution for Cloud Disaster Recovery

NetApp makes it easy for organizations to take advantage of cloud cost and efficiency benefits while meeting critical DR requirements. With the Data Fabric Solution for Cloud Disaster Recovery, you can quickly implement a hybrid cloud-based replication solution that delivers cost-effective, flexible data protection. Select from a range of NetApp FAS and All Flash FAS models that meet typical requirements or easily customize your solution to meet your specific infrastructure needs. Continuous data access means that you have immediate access to data regardless of where it is stored—on the premises or in the cloud.

The Data Fabric Solution for Cloud Disaster Recovery quickly stores data in the cloud, and data can be recovered from any location when an outage occurs. This easy-to-deploy solution enables IT to retain the control and security that are required on the premises. Storage controllers, disk shelves, protection software, NetApp ONTAP® Cloud software, and management software compose the solution.

NetApp SnapMirror

NetApp SnapMirror software delivers powerful data management capabilities, protecting your critical data while providing you with the flexibility to move data between locations and storage tiers, including cloud service providers. SnapMirror offers a straightforward setup that you can easily replicate across all of your NetApp storage systems and it requires minimal management. SnapMirror:

- Mirrors data from FAS and All Flash FAS controllers to the cloud,¹ protecting against site or regional disasters



1. Applies to cloud service providers with an infrastructure that is built on NetApp ONTAP management software

- Meets recovery point objectives—ranging from minutes to hours—with the capability to fail over to a specific point in time
- Can be used for DR, business intelligence, data distribution, and development and testing to improve value

NetApp ONTAP Cloud

The Data Fabric Solution for Cloud Disaster Recovery includes ONTAP Cloud software. With ONTAP Cloud, you can easily deploy and manage a NetApp ONTAP hybrid cloud storage environment. You also get enterprise-class features, including:

- Provisioning of NAS and SAN storage, with support for CIFS, NFS, and iSCSI
- Zero-impact NetApp Snapshot® copies that provide near-instantaneous point-in-time backups of data by using existing storage resources without affecting application performance
- Efficiency features such as data deduplication and data compression to help minimize the storage footprint
- Encryption at rest to protect data from unauthorized data access

NetApp OnCommand

NetApp OnCommand® management products give you visibility and control across resources in the Data Fabric powered by NetApp. You can minimize risks, meet SLAs, and boost performance for maximum efficiency and savings. OnCommand products include:

- **OnCommand Cloud Manager.** Manages the setup and initial configuration of ONTAP Cloud with a single management interface that is independent of your data location. When ONTAP Cloud is configured, you can select other OnCommand management products to manage the DR solution.

Discover, set up, and provision your new storage automatically by using the NetApp System Setup utility tool. When you have finished, you are ready to start using OnCommand System Manager or Unified Manager:

- **OnCommand System Manager.** Provides simple, versatile GUI management, making it easy to configure and manage the Data Fabric Solution for Cloud Disaster Recovery storage. Wizards and workflows simplify common storage tasks, letting you avoid manual errors and greatly improving administrative productivity.
- **OnCommand Unified Manager.** Monitors and alerts on the health, availability, capacity, performance, and data protection status of your Data Fabric Solution for Cloud Disaster Recovery, with suggestions for corrective action for quick remediation.

FAS Hybrid Configurations

With access to cloud services, companies of all sizes can deliver a sophisticated DR plan and strategy. Your organization can back up or replicate data to a remote site and then fail over to the remote site in the event of a disaster.

NetApp FAS hybrid configurations can meet a range of cost, capacity, and performance requirements, with capacity starting at 10TB. Deploy configurations with the flexibility of the FAS2600 hybrid storage array or with the increased performance and scale of the FAS8200 or FAS9000. This portfolio of solutions is designed to address the needs of small, midsize, and large enterprises. You get exceptional value, functionality, and performance, letting you reduce costs and improve business productivity with:

- Enterprise-class capabilities and data efficiency
- Performance and capacity scale to enable workload optimization
- Comprehensive, affordable, and highly modular configurations
- A storage infrastructure that is easy to manage

All Flash FAS Configurations

For companies with sophisticated DR architectures and strategies, adding a high-performance cloud-based DR solution can deliver financial and control benefits, with the ability to test cloud DR frequently.

NetApp All Flash FAS storage systems combine all-flash performance with unified data management across SAN and NAS, extending to the cloud and delivering consistent low-latency performance. With All Flash FAS systems, you can:

- Run database applications up to 20 times faster with integrated flash-optimization technologies.
- Reduce server and database licensing costs by 50% through increased CPU utilization that is driven by flash performance.
- Eliminate performance silos and major upgrades through non-disruptive scale-out and by sharing a cluster with hybrid arrays.

Summary

Now is the time to take advantage of the cost and flexibility benefits of the hybrid cloud for DR operations. The Data Fabric Solution for Cloud Disaster Recovery is an excellent fit for organizations that want to leverage the cloud for DR with an enterprise-class solution that is easy to deploy. The flexible design helps reduce storage costs across existing storage infrastructures, with the capability to increase responsiveness to changing business requirements.

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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