

NETAPP DISASTER RECOVERY

Simple, low-cost disaster protection for VMware workloads, from on-premises to on-premises NetApp® ONTAP® environments or to VMware Cloud and Amazon FSx for NetApp ONTAP

THE PROBLEM

Enterprises recognize that with today's global challenges, having a proven, reliable disaster recovery plan is critical for business viability. The ability to easily and rapidly recover from any disaster is an absolute imperative. Yet, disaster recovery solutions remain complex and costly. Even organizations that have implemented disaster recovery solutions find that recovery is often difficult, time-consuming, and inadequate—resulting in significant downtime and requiring specialized skills.

THE SOLUTION

The evolution of true hybrid cloud solutions now enables a level of protection that better meets the needs of today's enterprises. Advancements such as common operating technology across both cloud and on-premises environments, unified approaches to data, and intelligent automation combine to reduce risk and to speed recovery. In addition, a well-designed cloud-based approach to disaster recovery can slash the cost of being protected, while reducing the testing and implementation windows from weeks to hours... or even to minutes.

NetApp is innovative in providing a SaaS-based disaster recovery solution that uses proven NetApp® SnapMirror® technology to significantly lower both costs and complexity for VMware Cloud for AWS (VMC) and Amazon Elastic VMware Service (EVS) using Amazon FSx for NetApp ONTAP storage. There is no need to acquire and to deploy expensive alternative infrastructure. Recovery of applications is simplified with orchestration and nondisruptive virtual failover testing to demonstrate failover success.

Top reasons to use Disaster Recovery


1

Performance

It's fast because it uses NetApp SnapMirror® technology, which includes deduplication, compression, and compaction, along with block-level operation, greatly minimizing the amount of data that needs to pass between systems. This technology slashes both costs and system overhead.


2

Reliability

SnapMirror is proven in thousands of customer organizations, with instant data transfers and application-consistent recovery. Customers get the tightest recovery time objectives (RTOs) and recovery point objectives (RPOs) in the industry.


3

Simplicity

The service uses the NetApp Console SaaS-delivered control plane with its intuitive UI, simplified deployment, and easy-to-implement templates that span on-premises and cloud environments. Frequent, nondisruptive disaster recovery drills simplify readiness and increase confidence.


4

Lower risk

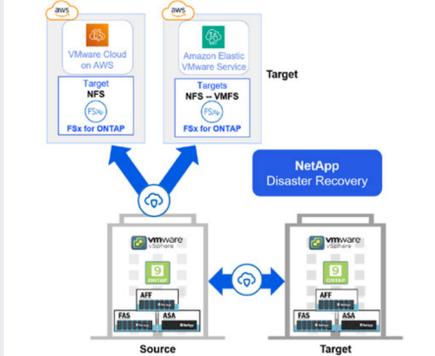
Identical VMware environment at recovery target means less disruption when disaster strikes. Same runbooks, same processes.


5

Lower cost

Customers don't have to provision dedicated, alternative infrastructure in a secondary location. And industry-leading block-level, incremental-forever technology keeps bandwidth resource requirements low.

Disaster Recovery dramatically **reduces the cost and complexity** of your customer's disaster recovery solution.



Where NetApp adds value



Enterprise-Grade disaster recovery: VMC on AWS & Amazon EVS using FSx for ONTAP

- Uses cloud-based replication separate from primary data with FSx for ONTAP
- Provides orchestrated, on-demand failover and failback by using SnapMirror for NFS and VMFS datastores
- Offers low, predictable RPO and RTO with almost-instant application-consistent recovery from disasters



Lower-cost disaster recovery

- Avoids the cost of maintaining infrastructure in a secondary location
- Reduces data transfer costs via block-level technology to keep copies in sync
- Allows non-disruptive testing without having a full VM complement in the cloud



Simplicity with high confidence

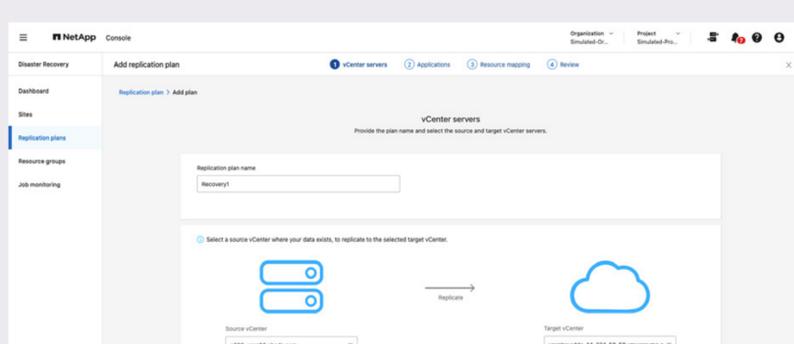
- Uses the NetApp Console SaaS-delivered control plane for simplified deployment, replication, and administration across on-premises and cloud environments
- Simplifies disaster recovery workflows from on-premises NetApp ONTAP® datastores to FSx for ONTAP
- Enables easy-to-follow disaster recovery templates for guided failover and failback operations
- Reduces risk through continuous compliance health checks
- Provides granular, multiple point-in-time recovery points for complete restoration flexibility



Easy customer setup and deployment with these functions

- Create a templated disaster recovery plan for vSphere apps that use NFS and VMFS datastores in ONTAP environments
- Replicate vSphere apps and data to Amazon (VMC), and Amazon EVS disaster recovery sites with SnapMirror
- Non-disruptively test the failover process without affecting production workloads
- Easily failover in a disaster and monitor active disaster recovery operations
- Fail back post-recovery to the (restored) primary site for normal operations

Disaster Recovery offers **simple point-and-click DRaaS** to easily define a customer's recovery plan.



With Disaster Recovery you can:



- Create a templated disaster recovery plan for vSphere apps that are using ONTAP
- Create disaster recovery plan for NFS and VMFS datastores on-premises
- Replicate vSphere apps and data to an AWS disaster recovery sites using proven SnapMirror technology
- Non-disruptively test the fail-over process in a way that doesn't affect production workloads
- Easily fail over in the event of disaster
- Monitor active disaster recovery operations
- Fail back post-recovery to the (restored) primary site for normal operations

Why customers choose Disaster Recovery

Simplified disaster recovery planning and execution

- The SaaS-delivered control plane simplifies deployment, replication, and administration across on-premises and cloud environments.
- The creation of easy-to-follow disaster recovery templates for guided failover and failback operations simplifies disaster recovery workflows from on-premises ONTAP datastores to Amazon FSx for NetApp ONTAP.
- Frequent, simple non-disruptive drills provide an "easy" button for disaster recovery readiness.

Low-cost disaster protection for critical VMware workloads

- Disaster Recovery does not require dedicated, alternative infrastructure to be provisioned in a second data center, lowering costs for cloud-based disaster recovery.
- Replication uses SnapMirror, which employs storage efficiencies (deduplication, compression, and compaction) to reduce overall storage costs.
- Industry-leading block-level, incremental-forever technology keeps bandwidth resource requirements low to reduce network and storage costs.

Disaster recovery planning with high confidence of successful recovery from failure

- Non-disruptive disaster recovery failover and failback testing increases preparedness without affecting production resources or availability.
- Continuous compliance health checks reduce risk.
- Multiple point-in-time recovery points enhance the granularity of restore for complete flexibility.
- SnapMirror technology provides low, predictable RPO and RTO disaster recovery for VMware workloads.
- Identical VMware environment at the recovery target means less disruption when disaster strikes, customers can use the same runbooks, same processes.

Get started now

[Get started with Disaster Recovery today >](#)



Contact Us

About NetApp

NetApp is the intelligent data infrastructure company, combining unified data storage, integrated data services, and CloudOps solutions to turn a world of disruption into opportunity for every customer. NetApp creates silo-free infrastructure, harnessing observability and AI to enable the industry's best data management. As the only enterprise-grade storage service natively embedded in the world's biggest clouds, our data storage delivers seamless flexibility. In addition, our data services create a data advantage through superior cyber resilience, governance, and application agility. Our CloudOps solutions provide continuous optimization of performance and efficiency through observability and AI. No matter the data type, workload, or environment, with NetApp you can transform your data infrastructure to realize your business possibilities.