

# NETAPP DISASTER RECOVERY



Simple, low-cost disaster protection for VMware workloads, from on-premises to on-premises NetApp® ONTAP® environments and to the cloud targeting VMware Cloud on AWS (VMC) and Amazon Elastic VMware Service (EVS) using Amazon FSx for NetApp ONTAP storage.

## The challenge

Enterprises like yours 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 form of 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 opportunity

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 your risk and to speed recovery.

In addition, a well-designed cloud-based approach to disaster recovery can slash your cost of being protected, while reducing your testing and implementation windows from weeks to hours... or even to minutes.

NetApp® Disaster Recovery is integrated into the innovative software-as-a-service (SaaS)-based NetApp Control plane. Disaster Recovery uses proven NetApp SnapMirror® technology to significantly lower both costs and complexity. You don't have to acquire and deploy expensive alternative infrastructure. And recovery of your applications is simplified with orchestration and nondisruptive virtual failover testing to demonstrate failover success.

## Why Disaster Recovery

Disaster Recovery relies on SnapMirror technology, which significantly minimizes the amount of data that needs to pass between your systems, slashing both your costs and your system overhead. SnapMirror also provides instant data transfers and application-consistent recovery which means you can easily meet your required recovery time windows. By using the intuitive UI, simplified deployment, and easy-to-implement templates, Disaster Recovery makes the whole process easy. Continuous health checks and frequent, nondisruptive failover drills further simplify and enhance your disaster recovery readiness.

### With Disaster Recovery, you can:

- Create a templated disaster recovery plan for vSphere apps that are using NFS and VMFS datastores in NetApp ONTAP® powered systems.
- Replicate vSphere apps and data to a VMware disaster recovery site in AWS by using proven SnapMirror technology.
- Non-disruptively test the failover process without affecting your production workloads.
- Easily fail over to a VMware Cloud target in AWS if disaster strikes.
- Monitor active disaster recovery operations.
- Fail back after recovery to the (restored) primary site for normal operations.

## KEY BENEFITS

### 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.

### 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.

### Simplicity

Disaster Recovery is delivered as a SaaS with a unified control plane that features easy to implement templates. Frequent, nondisruptive disaster recovery drills simplify readiness and increase confidence.

### Lower risk

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

### Lower costs

Support for a cloud-based DR target avoids the need to fully provision dedicated alternative infrastructure at a secondary location which substantially lowers costs.



# Disaster Recovery dramatically reduces the cost and complexity of your disaster recovery solution.

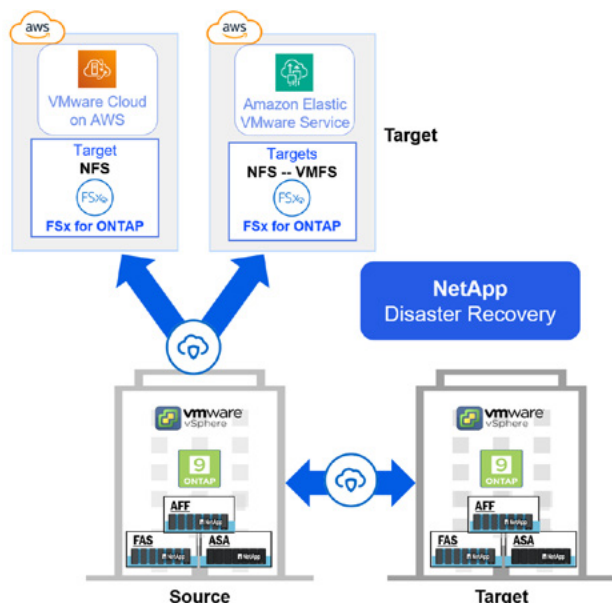


Figure 1: With Disaster Recovery you can recover to on-premises ONTAP environments or to VMware Cloud and Amazon FSx for NetApp ONTAP

## Where NetApp adds value

### The only VMware solution for FSx for ONTAP

The innovative Disaster Recovery service offers:

- Cloud-based replication separate from primary data with Amazon FSx for NetApp ONTAP
- Orchestrated, on-demand failover and failback by using SnapMirror for NFS and VMFS (on-premises) datastores
- Low, predictable recovery point objectives (RPOs) and recovery time objectives (RTOs) with almost instantaneous application-consistent recovery from disasters

### Lower-cost disaster recovery

Your organization avoids the cost of maintaining alternative infrastructure in a secondary location.

### Simplicity with high confidence

You can simplify your disaster recovery plan and increase confidence with Disaster Recovery, which:

- Uses the replace with NetApp Console for simplified deployment, replication, and administration across on-premises and cloud environments
- Simplifies disaster recovery workflows from on-premises ONTAP datastores to Amazon FSx for NetApp ONTAP through the creation of 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

Take the next step in protecting your data and preventing downtime. Find out how Disaster Recovery can cost-effectively simplify and enhance your disaster protection today. To learn more at [netapp.com/data-services/disaster-recovery](https://netapp.com/data-services/disaster-recovery).

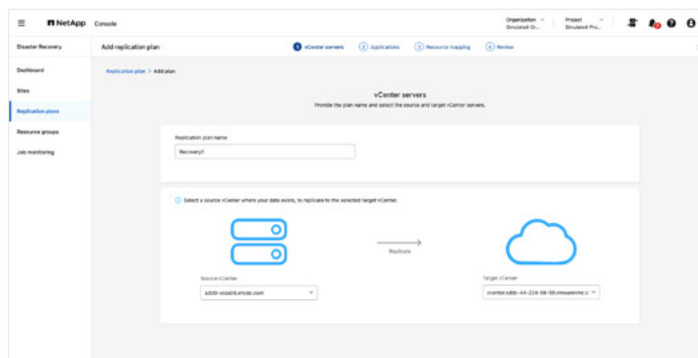


Figure 2: Disaster Recovery offers simple point-and-click disaster recovery as a service (DRaaS) to easily define your recovery plan.



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, then harnesses observability and AI, to enable the best data management. As the only enterprise-grade storage service natively embedded in the world's biggest clouds, our data storage delivers seamless flexibility and our data services create a data advantage through superior cyber-resilience, governance, and applications agility. Our CloudOps solutions provide continuous optimization of performance and efficiency through observability and AI. No matter the data type, workload or environment, transform your data infrastructure to realize your business possibilities with NetApp. [www.netapp.com](https://www.netapp.com)

