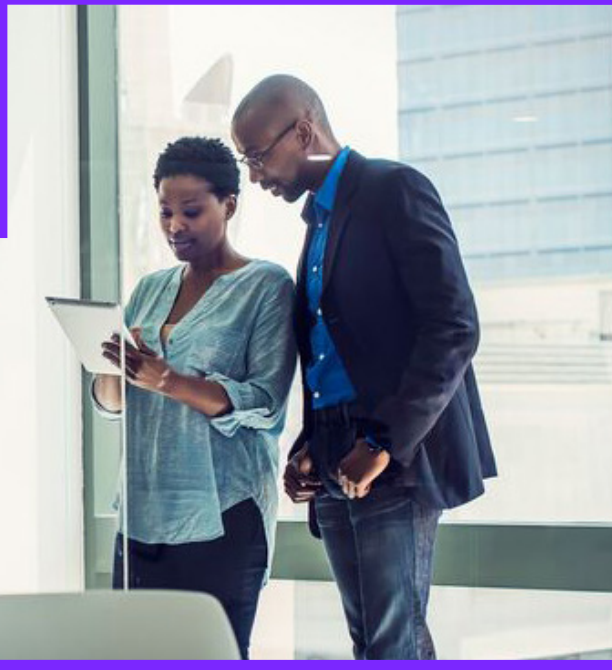**NetApp**

NETAPP BACKUP AND RECOVERY

Backup and Recovery provides a simple, secure, and cost-effective integrated data protection service for NetApp ONTAP based data.

THE PROBLEM

Unstructured data continues to rapidly expand, creating billions of files for an organization to manage. Furthermore, traditional backup operations require regular full backups, which increase the backup window. Today's 24/7 uptime environment, increasingly large datasets, and shrinking backup windows mean that current backup solutions inevitably don't match recovery point objectives and recovery time objectives. All these factors can place demands on your infrastructure and stress on your resources because you have only a limited time to back up your data in the cloud.

THE SOLUTION

NetApp Backup and Recovery is a NetApp ONTAP® native backup solution that delivers unmatched performance, reliability, and automation. Backup and Recovery backs up on-premises and cloud-based ONTAP data to object storage.

Secure copies of your unstructured data, databases, applications, VMs, and Kubernetes persistent volumes are created automatically and are backed up directly to object storage in the cloud or on-premises.

Backup and Recovery dramatically reduces the complexity of protecting data across your NetApp environment, on premises and in the cloud. With Backup and Recovery you can easily enable, manage, and scale your data protection to keep your data safe and compliant.

Key reasons to consider Backup and Recovery

1 **Performance.** Back up on a block level, incrementally forever. Preserve NetApp ONTAP storage efficiencies, including deduplication, compression, and compaction.

2 **Reliability.** Data copies are independent and immutable, and they cannot be modified. The object storage is designed for 99.999999999% (11 nines) of data durability.

3 **Automation.** Use a single control plane for all your data protection needs across the entire data estate, including a single recovery console where you can view all your copies and decide how to best restore your data.

4 **Security.** Achieve end-to-end encryption with customer-managed key supporting AES-256 bit encryption at rest and TLS/HTTPS encryption in flight. Get private network connectivity between the source and destination, with proxy support.

5 **Cost efficiency.** Pay only for what is protected and use the lowest-cost storage tiers available. No cloud VM or backup server required.

Backup and Recovery provides simple, secure, and cost-effective data protection for NetApp ONTAP based data regardless of whether they are on premises or in the cloud.

Where NetApp adds value

Simple and powerful built-in data protection that is highly automated, with petabyte-scale protection

High security with immutable and indelible backups protected with NetApp SnapLock® technology and multi-admin verification

Lower TCO because no extra hardware or software are required and backups are to low-cost storage tiers

Backup and Recovery key benefits

Simplicity
Extensive automation takes the complexity out of defining and implementing the full spectrum of 3-2-1 data protection strategies.

Optimization
Block-level, incremental-forever technology helps you achieve backup windows that are 100 times faster than standard NDMP.

Security
Data copies are independent and can't be modified. Backups are locked and monitored. Alerts are raised if someone attempts to corrupt the data.

Scale
Because it preserves the storage efficiencies of ONTAP—including deduplication, compression, and compaction—and backups are incremental forever. This allows timely and efficient backups at petabyte scale.

Lower cost
The service is built into all ONTAP systems, so you don't need additional hardware, software licenses, or media gateways. Pay only for what's protected and use the lowest-cost storage tiers available.

Contact Us

NetApp