■ NetApp

BACKING UP YOUR DATA
WITH NETAPP STORAGEGRID AND NETAPP BACKUP AND RECOVERY

A superior backup solution for all your
NetApp ONTAP workloads

As organizations continue to generate vast amounts of data, protection and efficient management of that data become increasingly critical. NetApp® Backup and Recovery and NetApp StorageGRID® offer a powerful, integrated solution for addressing these challenges, providing a comprehensive backup strategy that enhances data protection, scalability, and cost efficiency.

Data is one of the most valuable assets your organization possesses. Ensuring its protection, accessibility, and compliance is critical to the success and resilience of any business, regardless of size or industry. It's crucial that the solution is not an afterthought. Data retention and backup are foundational to mitigating risk in your business. Don't allow loss of data or loss of access to data to affect your ability to operate.

NetApp Backup and Recovery

NetApp Backup and Recovery offers a fully integrated set of capabilities to implement 3-2-1 data protection, simplifying implementation without the need for specially trained personnel. Because backup and recovery is delivered as software as a service, there's no need for complex setup and maintenance.

Additionally, NetApp Backup and Recovery provides comprehensive support for a variety of applications, including SQL Server, Kubernetes, and VMware. Seamless integration and automated backup processes mean data protection and quick recovery across different environments, enhancing operational resilience and minimizing downtime. This versatility enables your organization to safeguard critical data and workloads, regardless of the platform they use.

NetApp StorageGRID

NetApp StorageGRID is a scalable, software-defined object storage solution that's designed to handle massive amounts of unstructured data. With its high durability, seamless scalability, and robust cloud integration, StorageGRID is ideally suited for long-term data retention and backup.

Better together

Together, NetApp Backup and Recovery and StorageGRID form a powerful solution that enhances your overall backup strategy. The integration of NetApp Backup and Recovery and StorageGRID allows centralized management and automation of backup policies and workflows. It enables the automation of backup processes for consistent and reliable data protection. Backup data can be seamlessly tiered from high-performance primary storage to cost-effective StorageGRID object storage, optimizing storage costs and efficiency. This tiering means that active data remains on fast storage, while less frequently accessed backup data is economically stored on StorageGRID.

The NetApp advantage

Scalability is a significant advantage of this integrated solution. The ability of StorageGRID to scale from terabytes to exabytes means that organizations can accommodate growing backup data volumes without worrying about capacity constraints. With this scalability, the backup infrastructure can grow in tandem with the organization's storage needs.

Enhanced data protection and compliance are crucial components of the NetApp Backup and Recovery and StorageGRID solution. StorageGRID provides advanced data protection features such as erasure coding and georedundancy, so that backup data is highly durable and available, even in the event of a hardware failure or site outage. Additionally, the solution helps organizations meet regulatory compliance requirements by providing secure, long-term retention of backup data. Data governance policies can be enforced, so that data is retained according to legal and business mandates.

NetApp Backup and Recovery backups are resilient in protecting against ransomware attacks. communications are protected end to end with AES 256-bit encryption at rest, TLS communications, HTTPS encryption in flight, and CMK encryption support. Also, backups are immutable and indelible and are locked and monitored. Any attempt to corrupt the data raises an alert. With NetApp Backup and Recovery you can air-gap your backup with multiregion, multicloud, and cross-account operability.

Seamless hybrid cloud integration further strengthens the backup strategy. NetApp Backup and Recovery integration capabilities allow the management of backups across both on-premises and cloud environments. StorageGRID hybrid cloud support means that backup data can be easily moved and accessed across different cloud

KEY BENEFITS

- **Centralized management.** NetApp Backup and Recovery provides a unified control plane for managing and monitoring backup processes as well as managing and moving backup data, across on-premises and cloud environments.

- **Cost efficiency.** StorageGRID offers cost-effective, scalable storage for long-term data retention.

- **Storage efficiency.** NetApp Backup and Recovery backs up incrementally forever on a block level and preserves NetApp ONTAP® storage efficiencies, including deduplication, compression, and compaction.

- **Scalability.** Seamlessly scale from terabytes to exabytes with StorageGRID to accommodate growing backup data volumes.

- **Enhanced data protection.** Advanced features like erasure coding and georedundancy mean high durability and availability of backup data.

- **Regulatory compliance.** Secure, long-term data retention helps meet regulatory requirements and enforce data governance policies.
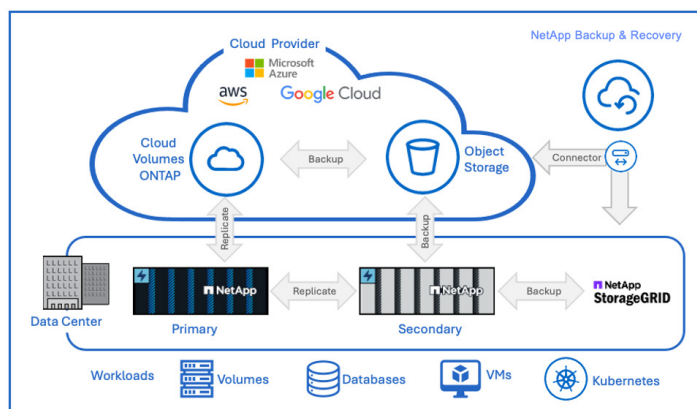

Figure 1: NetApp Backup and Recovery: Simple, secure, and cost-effective data protection.

platforms, providing flexibility and avoiding vendor lock-in. This data mobility helps the backup strategy remain adaptable and resilient.

The combination of NetApp Backup and Recovery capabilities with StorageGRID scalable and cost-effective object storage creates a robust backup solution that's tailored to the demands of today's data environments. With this integrated approach, data is protected, compliant, and readily accessible, helping your organization to drive innovation and achieve business success.

Storage	Monitoring	Health	Protection	Governance	Mobility	Additional
Canvas	Alerts	Digital advisor (Active IQ)	Backup & recovery	Sustainability	Copy & sync	NSS account management
Standard storage management: AFF, ASA, FAS, StorageGRID, CVO, FSxN, & ANF		Software updates	Disaster recovery	Classification*	Tiering (FabricPool)	Support & case management
Advanced storage management: System Manager, GRID Manager, & workload factory		Operational resiliency	Replication (SnapMirror)	Digital wallet*	Volume caching* (FlexCache)	Identity & access management
Keystone			Ransomware protection			Connectors

*Not for StorageGRID

Core   w/Support   Licensed

Figure 2: NetApp Backup and Recovery: Single control plane for backup management, tiering, observability, and more.

Keep your data and your reputation safe with NetApp.

Learn more about NetApp Backup and Recovery.

Learn more about NetApp StorageGRID.

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