

# Cloud Data Management for NetApp

Orchestrate data services across NetApp’s hybrid multi-cloud data fabric

## CHALLENGES OF RAPID DATA GROWTH

As data continues to grow, managing infrastructure for backup, recovery, and compliance can become incredibly complex. However, enterprises today require IT teams to not only manage all of the infrastructure for mission-critical applications, but also to deliver new services that drive competitive advantage. Amidst the complexity, many organizations are looking to leverage public cloud, but face significant challenges in optimizing cost and performance at enterprise scale.

## AUTOMATED ENTERPRISE DATA PROTECTION WITH RUBRIK AND NETAPP STORAGEGRID

Rubrik Security Cloud protects, automates, and secures applications across data centers and clouds. Users can eliminate manual backup job scheduling with Rubrik’s single SLA policy engine for automated backup, recovery, and archival to public or private cloud—including NetApp StorageGRID. StorageGRID is a software-defined object storage solution that supports industry-standard object APIs, such as Amazon S3 and OpenStack Swift. Rubrik also integrates with NetApp RESTful APIs, allowing NetApp storage customers to reduce impact on production environments while delivering faster incremental backups.



### POLICY-DRIVEN SIMPLICITY

Leverage Rubrik and StorageGRID’s SLA and ILM policy engines to automate lifecycle management while optimizing cost and compliance.



### COST-EFFECTIVE SCALE

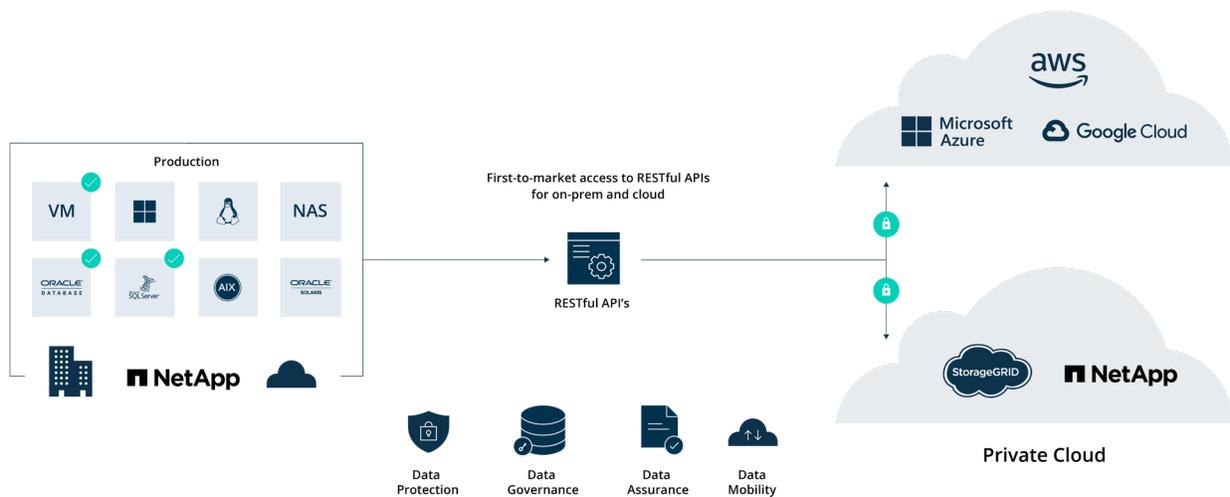
Easily handle rapid data growth while avoiding forklift upgrades for data in Rubrik and StorageGRID. Grow-as-you-go with linear scale-out architectures.



### MULTI-CLOUD MOBILITY

Migrate to your cloud of choice with a single click. Rubrik mobilizes petabyte-scale NAS shares directly to public or private cloud—including StorageGRID.

Key Challenge	Key Benefit	Result
Slow backup and negative impact to app performance	Eliminate file scanning during incremental backup to reduce backup processing time and offload impact on production environment with native RESTful API.	<b>Superior backup speed load reduction on NetApp filers</b>
Slow performance	Rubrik delivers parallel ingest and incremental-forever, fast backups at scale. Users can also deliver near-zero RTOs for mission-critical databases and VMs via Rubrik’s Live Mount.	<b>Near-zero RTO and fast backup performance at scale</b>
Poor visibility	Autodiscover the NAS shares you need to protect. Predictive search quickly locates files, VMs, and databases on-premises or in the cloud. Reduce egress costs with faster and more granular recoveries down to the file-level.	<b>Quick setup and instant file-level access</b>
Built for tape	Rubrik allows enterprises to eliminate NDMP-related tape complexity with data archival to any destination—from public cloud to NFS or NetApp StorageGRID. By replacing tape with Rubrik and StorageGRID, users can enable faster recoveries from cost-effective and scalable archive storage tiers.	<b>Automated cloud archival</b>



Automate archival for physical, virtual, and cloud-native workloads to NetApp StorageGRID for cost-effective long-term retention. Leverage NetApp RESTful API integration to reduce ONTAP NAS backup windows and minimize impact on production environments.

## HOW RUBRIK AND NETAPP WORK TOGETHER

With Rubrik and NetApp StorageGRID, users can automate data lifecycle management while leveraging StorageGRID as a cloud-scale object-based archive target. Both Rubrik and StorageGRID index file metadata to enable global file-level search for instant access to massive amounts of unstructured data. Users can quickly locate and restore VMs, databases, files, and more across public or private cloud.

## HOW IT WORKS

### Single SLA Policy Engine

Both Rubrik and NetApp StorageGRID deliver policy-based automation to simplify all aspects of data management. Rubrik's single SLA policy engine automates backup, archival and replication for physical, virtual, and cloud workloads. Users simply specify backup frequency and retention policies to automate backup, replication, and archival for a set-it-and-forget-it approach.

### Cloud-scale Architecture

Rubrik and NetApp StorageGRID are built to enable simple, linear-scale architectures. Scaling Rubrik and StorageGRID is as simple as adding more nodes to each environment, allowing enterprises to easily handle rapid data growth while avoiding forklift upgrades. With unlimited scalability, enterprises can easily satisfy lengthy retention requirements for critical business information.

### Vendor-agnostic Software Platform

Rubrik's vendor-agnostic software fabric enables users to avoid vendor lock-in for physical, virtual, and cloud environments. With Rubrik's NAS Direct Archive, users can easily migrate data NAS data to public or private cloud—including NetApp StorageGRID and ONTAP NAS environments. StorageGRID's support for open APIs such as S3 and Swift also enables users to avoid vendor lock-in while managing data across hybrid cloud architectures.

## ABOUT NETAPP

In a world full of generalists, NetApp is a specialist. We're focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world's biggest public clouds. As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services, and applications to the right people—anytime, anywhere. [www.netapp.com](http://www.netapp.com)



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Rubrik is on a mission to secure the world's data. With Zero Trust Data Security™, we help organizations achieve business resilience against cyberattacks, malicious insiders, and operational disruptions. Rubrik Security Cloud, powered by machine learning, secures data across enterprise, cloud, and SaaS applications. We help organizations uphold data integrity, deliver data availability that withstands adverse conditions, continuously monitor data risks and threats, and restore businesses with their data when infrastructure is attacked.

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