NetApp StorageGRID with Rubrik Cloud Data Management

∏ NetApp

rubrik
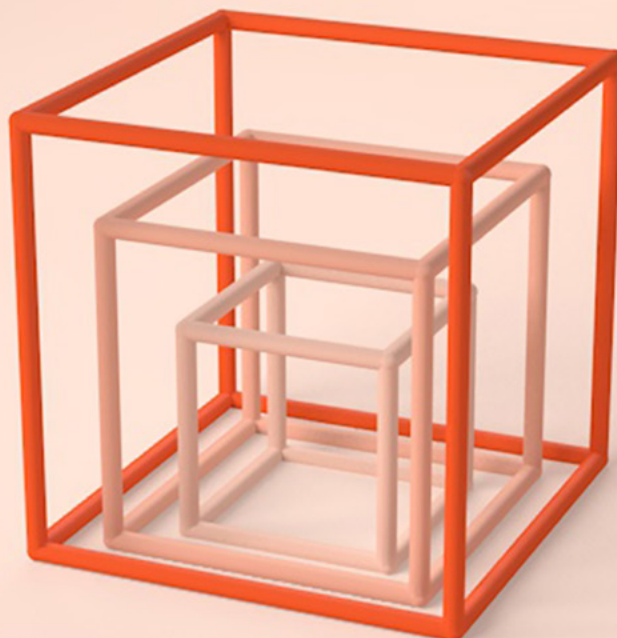
Policy-based data management on a cloud-scale architecture

Challenges of data growth

As data grows, managing infrastructure for backup, recovery, and compliance can become very complex. Enterprises today require IT teams to manage all the infrastructure necessary for mission-critical applications while also delivering new services that stimulate competitive advantage.

Amid all this complexity, many organizations want to take advantage of public cloud services to simplify management. However, they face significant challenges in optimizing cost, performance, and compliance in the face of regulations and business requirements. To power the business applications of the future, IT teams need data management and object storage solutions that optimize cost and performance at enterprise scale.

NetApp StorageGRID object storage

NetApp StorageGRID is a software-defined object storage solution that supports industry-standard object APIs such as the Amazon Simple Storage Service (Amazon S3) API. Users can create multiple service levels with metadata-driven object lifecycle policies, optimizing durability, protection, performance, cost, and location across multiple geographies. As requirements change, users can adjust policies and realign their data landscape. Enterprises have the flexibility of deploying StorageGRID as an enterprise-grade turnkey solution or as a software-only solution on physical or virtual servers, using heterogeneous storage underneath. With nearly two decades of enterprise deployments, customers can depend on StorageGRID for data protection and integrity.

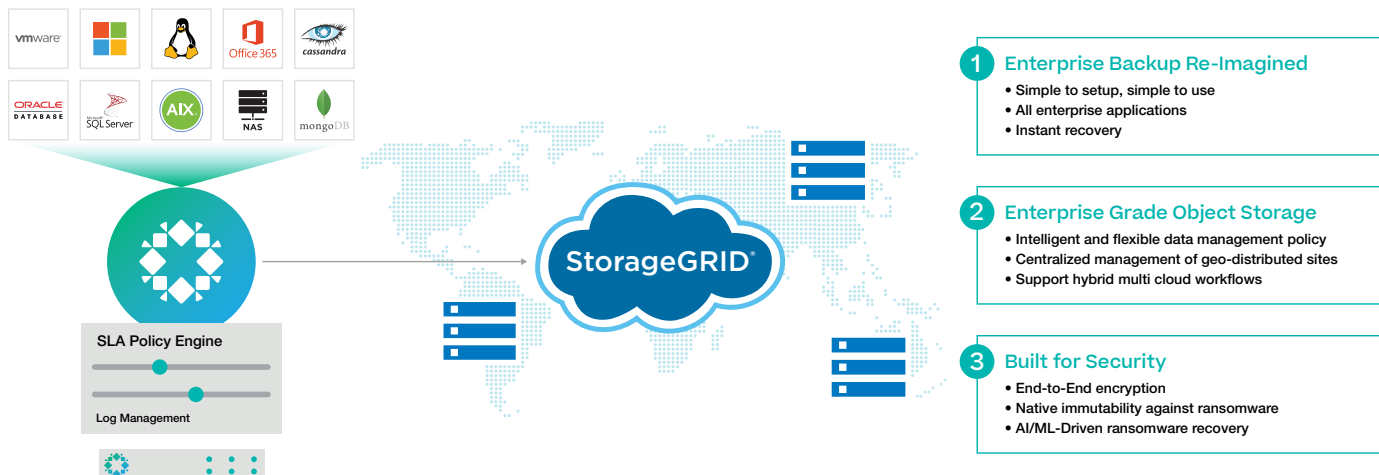## Rubrik Cloud Data Management

Rubrik delivers a single software fabric to protect and organize data on premises, at the edge, and in the cloud, eliminating the complexity of legacy enterprise infrastructure. Rubrik's Cloud Data Management platform collapses backup software, catalog management, replication, and deduplicated storage into a single appliance that scales linearly. With Rubrik, enterprises can simplify backup and recovery, accelerate cloud adoption, deliver automation at scale, and defend against ransomware with an easy-to-use, consumer-grade interface.

Key Features

- **Conquer complexity.** Combine backup software, catalog management, replication, and deduplicated storage into a single appliance that scales linearly.

- **Optimize the data lifecycle.** Fine-tune data availability, performance, locality, retention, protection, and storage cost with metadata-driven policies, and adjust these parameters dynamically as the business value of your data evolves.

- **Plan for disaster recovery with confidence.** Rubrik's management plane combined with the NetApp® StorageGRID® multisite, active-active architecture takes the complexity and guesswork out of disaster recovery planning. Gain confidence by validating plans without disrupting production workflows.

Policy-based simplicity

Both Rubrik and StorageGRID deliver policy-based automation to simplify all aspects of data management. The StorageGRID information lifecycle management policy engine makes sure that data is in the right place at the right time. You can optimize data durability, performance, and cost by choosing replica or geo-distributed erasure coding. To comply with regulations or to optimize availability, you can geo-fence data to specific data centers. Rubrik's single SLA policy engine automates backup, archiving, and replication for physical, virtual, and cloud workloads.

SLA Policy Engine

Log Management

StorageGRID®

1. **Enterprise Backup Re-Imagined**
   - Simple to setup, simple to use
   - All enterprise applications
   - Instant recovery

2. **Enterprise Grade Object Storage**
   - Intelligent and flexible data management policy
   - Centralized management of geo-distributed sites
   - Support hybrid multi cloud workflows

3. **Built for Security**
   - End-to-End encryption
   - Native immutability against ransomware
   - AI/ML-Driven ransomware recovery

Cloud-scale architecture

StorageGRID and Rubrik are built to enable simple, linear-scale architectures. Enterprises can easily handle rapid data growth while avoiding forklift upgrades for secondary and archived data. Scaling Rubrik and StorageGRID is as simple as adding more nodes to each environment.

Freedom of choice

StorageGRID uses industry-grade open APIs like Amazon S3 and Swift, enabling users to avoid vendor lock-in while managing unstructured data across hybrid cloud architectures. Similarly, with Rubrik's vendor-agnostic software fabric, you can avoid vendor lock-in for physical, virtual, and cloud environments. Rubrik's NAS-Direct Archive feature allows you to easily back up any NAS through NFS/SMB, storing only the index metadata on Rubrik and passing the backup data directly to StorageGRID.

How Rubrik and NetApp work together

With StorageGRID and Rubrik, you can now automate data lifecycle management through Rubrik's simple control plane while using StorageGRID as a cloud-scale object-based archive target.

Both StorageGRID and Rubrik index file metadata to enable global file-level searching for instant access to massive amounts of unstructured data. Users can quickly find and restore virtual machines, databases, files, and more, regardless of location—in StorageGRID, in Rubrik, and even in a public cloud.

About Rubrik

Rubrik delivers a single software platform that securely delivers backup, recovery, analytics, and compliance across data centers and clouds. Enterprises choose Rubrik's Cloud Data Management software to simplify backup and recovery, accelerate cloud adoption, and enable automation at scale. Rubrik's run-anywhere, scale-out architecture empowers IT departments today and in the future. For more information, visit www.rubrik.com.

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

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