

# Enterprise-Grade File Storage and Data Protection for the Cloud Era

Built for hybrid cloud environments and the rigorous demands of today's enterprises, innovative industry leaders Qumulo and Rubrik help organizations transform the traditional data center. This combined offering eliminates the complexity of legacy file storage and backup, delivering a cost-efficient data management and protection solution that is simple to deploy and manage, massively scalable and secure, while also providing real-time visibility across on-prem and cloud.

With Qumulo serving as the archive storage for Rubrik's NAS Direct Archive technology, this joint solution provides a modern, fully-integrated approach for data protection, with cost-effective, secure backup and archive storage. Together Rubrik and Qumulo serve the entire data preservation lifecycle for large unstructured data sets, from ingest to expiration. In addition to using Qumulo's distributed file system for backup data, other users and applications can take advantage of Qumulo's performance and capacity for their primary data storage needs.

Rubrik NAS Direct Archive is a policy-driven single software platform that efficiently and securely manages massive NAS-based file systems across the data center and the cloud, while maintaining instant accessibility with file-level search and recovery. By mobilizing petabyte-scale NAS shares directly to Qumulo's hybrid cloud file storage, enterprises can have the option to leverage the cloud for long-term data retention and remote disaster recovery.



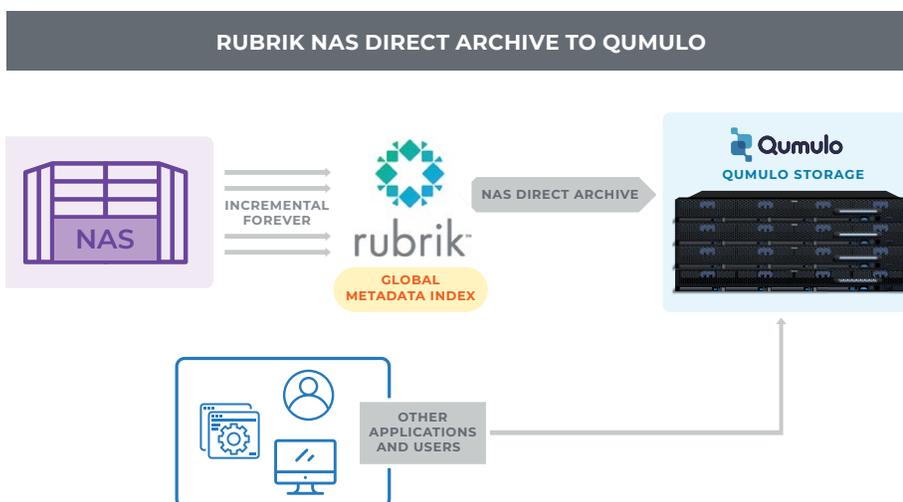
## MODERN ARCHIVE & DATA PROTECTION

### Use Cases

- High efficiency, data-aware storage archive target on-prem for Rubrik NAS Direct Archive
- Qumulo file storage with integrated Rubrik backup. Designed for large unstructured data sets

### Joint Solution Features & Benefits

- Easy to deploy and manage
- Scale to petabyte levels simply and cost-effectively
- Maximum storage efficiency
- Reduced data center footprint
- Metadata tagging and search
- High performance flash-first technology
- Enterprise-class data protection and reliability at scale
- End-to-end FIPS-certified encryption
- Real-time data analytics for control and visibility
- Cloud-native design



## Qumulo's Architecture Provides Flexibility, Performance, and Control

Qumulo provides three types of architecture solutions designed for performance and secure long-term retention including its High Performance Series (All-flash), Capacity Series, and Nearline Archive Series. All of Qumulo's infrastructure solutions utilize powerful flash-first technology, which provides the high performance of SSD for all writes, and intelligent caching to lower cost disk for cost-effective, long term data retention.

## Simple Set Up and Management

Both software solutions can be deployed in minutes. Rubrik allows organizations to easily automate backup, replication, and archival to Qumulo's software, by using its policy-based approach. No additional applications are needed to integrate Rubrik and Qumulo.

## Cost-Efficient End-to-End Data Protection and Preservation

Rubrik eliminates the high cost of scaling data protection solutions by removing the need to store anything but the metadata on Rubrik, delivering massive storage efficiency and reducing total cost. Qumulo's software protects all stored data using erasure coding. This assures superior levels of availability and security protection, as well as allowing 100 percent capacity utilization. Data is protected for the long-term with minimal storage overhead.

## Simple, Cost-Effective Scalability to Grow Capacity as Needed

Qumulo offers a simple, scalable, and cost-effective storage solution that scales-across on-prem and cloud environments economically with no vendor lock-in. Managing growth is simple - just add nodes to the existing infrastructure to increase capacity levels when required, with no disruption or downtime.

## Gain Complete Data and Infrastructure Visibility

Once Rubrik has sent data to n Qumulo file storage, users gain visibility to all of their data through Rubrik's global search capabilities, which provides fast, granular, file-level recovery. Users also have access to reports on their entire NAS environment to track statistics regarding policy compliance, system capacity, and data reduction. Qumulo provides access to real-time analytics that monitor performance, capacity, and file storage usage and that enable users to proactively manage issues make decisions for planning future growth.

## RUBRIK NAS DIRECT ARCHIVE

### How it Works:

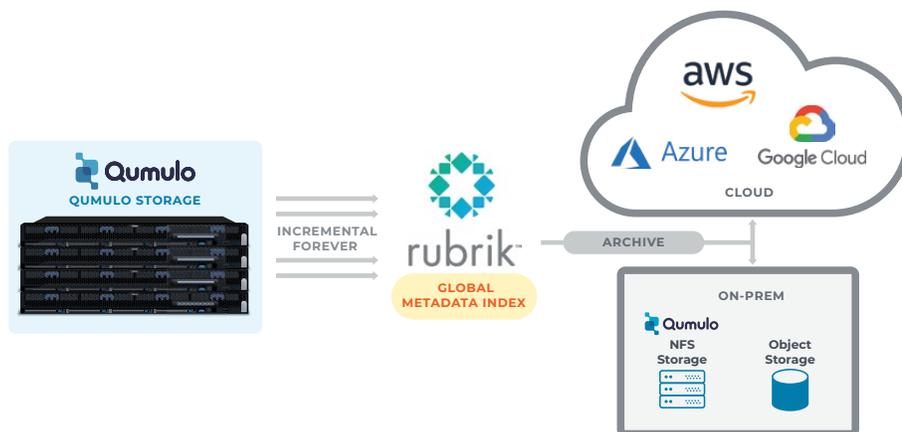
- Mount NAS volumes directly to Rubrik – no proxies required. All data is captured in its native format
- Automate backup and archival schedules down to the fileset level with one SLA policy engine
- Rubrik automatically archives data on-prem to Qumulo software while retaining instant access
- Restore files in-place or to an alternate NAS platform

## QUMULO HYBRID CLOUD FILE STORAGE

### How it Works:

- Rubrik archival data is securely retained on Qumulo's hybrid cloud file storage, and are accessible via Rubrik
- Qumulo enables high performance full or file restore to quickly bring back data when needed
- Solution allows organizations to also extend and scale their capacity using Qumulo storage
- Cost effectively grow capacity as needed; simply add Qumulo nodes or nodes from pre-qualified hardware vendors

## QUMULO WITH INTEGRATED RUBRIK BACKUP



## Qumulo with Integrated Rubrik Backup

In addition to using Rubrik to archive to Qumulo, organizations with Qumulo file storage on-prem can use Rubrik as an integrated backup solution to another Qumulo cluster on-prem or in the cloud, or to public cloud, NFS or object storage.

## ABOUT QUMULO

Qumulo hybrid cloud file storage delivers real-time visibility, scale and control of data across on-prem and cloud. Qumulo customers understand storage at a granular level; programmatically configure and manage usage, capacity and performance; and are continuously delighted with new capabilities, 100 percent usable capacity, and direct access to experts. [www.qumulo.com](http://www.qumulo.com)

## ABOUT RUBRIK

Rubrik delivers a single software platform to manage and protect data in the cloud, at the edge, and on-premises. Enterprises choose Rubrik's Cloud Data Management software to simplify backup and recovery, accelerate cloud adoption, and enable automation at scale. As organizations of all sizes adopt cloud-first policies, they rely on Rubrik's Polaris SaaS platform to unify data for security, governance, and compliance. [www.rubrik.com](http://www.rubrik.com)