

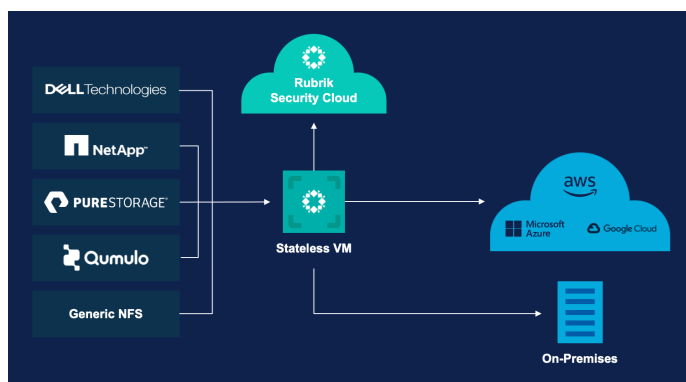


NAS Cloud Direct

Cyber-proof your NAS file data

NAS Cloud Direct offers secure data protection that delivers high-performance, scalable enterprise backup and archive services for unstructured file and object data. Now you can balance security and performance to protect and manage petabytes of NAS data 10x+ faster than with legacy NDMP-based solutions. Secure all file data stored on any file system under any NAS protocol and write data to any NFS or S3 target on-premises or to any cloud storage provider, within minutes.

NAS Cloud Direct is also the only backup and archive solution that includes API integration with Dell EMC Isilon, NetApp FAS, Pure Storage FlashBlade, and Qumulo Hybrid Cloud File Storage. NAS Cloud Direct is deployed as a virtual machine and is engineered to move data at line speed without impacting production workloads. Compatible with every NAS architecture and capable of managing billions of files, NAS Cloud Direct is built for the scale of the modern enterprise.



At any scale – from terabytes to petabytes of data and millions to billions of files – NAS Cloud Direct eliminates the complexity of tape solutions and the vendor lock-in of disk-to-disk backup solutions, all at a lower cost. NAS Cloud Direct's as-a-Service model simplifies data protection, anywhere and at scale, and removes entirely the need to manage hardware or software.

WHAT WE PROVIDE

Cyber resiliency – air-gapped, immutable backups with credential isolation to thwart ransomware

Backup – Data movement in parallel streams that can leverage up to the full amount of network bandwidth, minimizing the impact on your primary storage and eliminating backup windows.

Archive – Intuitive dataset discovery through search or browse, with a simplified workflow that creates a highly scalable archive solution.

From anywhere, to anywhere – Automated, policy-based backup and archive operations from any NAS source, directly to any on-premises or cloud NFS/S3 target, based on policy settings that you define.

Cloud-native architecture – NAS Cloud Direct integrates directly with any cloud platform and storage tier. NAS Cloud Direct bundles files into larger blobs and compresses backup and archive data, reducing transaction and storage costs.

As-a-Service monitoring and management – Our remote management platform handles all monitoring, diagnostics, failure management, and software updates. We take care of the logistics so you can focus on your business.

KEY BENEFITS

RAPID DEPLOYMENT

With its simple VM-based architecture, customers can deploy NAS Cloud Direct and start backing data up within minutes.

EFFICIENT PROTECTION

Ensure encrypted, immutable, air-gapped backups and code and credential isolation to protect data across all NAS technologies with 10x performance boost on backup vs NDMP. Handle petabytes of data and still deliver against SLAs – with zero impact to production systems.

CLOUD INTEGRATION

NAS Cloud Direct enables full data protection and archive capabilities, even with a limited on-premises infrastructure footprint. At scale, NAS Cloud Direct can backup and archive to any cloud target (AWS, Azure, GCP) or private S3.

BUILT FOR SCALE

Engineered for exabyte-size environments, NAS Cloud Direct moves data in parallel streams to maximize network throughput. Dynamic throttling eliminates impact to users and applications accessing the primary storage, meaning backups can run continuously, eliminating “backup windows” entirely. NAS Cloud Direct enables both 24x7 data protection and 24x7 data availability.

IMPROVE TCO

Control NAS growth by storing directly and efficiently to archive tiers of cloud storage, consolidate backups, and reduce hardware and license spend. NAS Cloud Direct' remote management and fail-in-place architecture dramatically reduce management overhead for enterprise IT.

INTEGRATED SOLUTION

- Scale-out backup, archive, and cloud-tiering services, from any NAS source to any on-premises or cloud NFS or S3 target, using your own cloud accounts (AWS, Azure, GCP, or any other S3 service)
- Integrated index-and-search capabilities can locate data quickly anywhere in the enterprise, both onsite and in the cloud
- NAS Cloud Direct's remote-management service provides platform monitoring, troubleshooting, and software updates
- Fail-in-place platform architecture enables continuous uptime and nonstop protection
- Non-disruptive system updates run without service interruption

BACKUP FEATURES

- API integration with NetApp FAS (7-Mode and Cluster Mode), Dell EMC Isilon, Pure Storage FlashBlade, and Qumulo to provide:
 - Read consistency via snapshots
 - Automated permissions provisioning
 - Automatic discovery of exports
- Support for all other NAS systems – including IBM Spectrum, HP StoreEasy, Panasas PanFS, Quantum StorNext and Pixit PixStor – through standard NFS and SMB protocol support
- Multi-protocol permission recognition in mixed-mode storage environments
- Dynamic resource throttling via latency-aware data movement to protect production system performance
- Highly parallel data movement and scan operations
- Point-and-click policy-driven backups at the system, export, or directory level
- Baseline and then Incremental Forever backups run more quickly and efficiently
- “Virtual Full” restore interface presents complete view of data at any point in time
- Search-to-recover any version of your backup data at the file, directory, export, or system to original source or alternate target.
- Restore back to NAS with all metadata and file permissions intact
- Write-Once Read-Many (WORM)
- End-to-end compression for throughput and storage efficiency
- Immutable objects with versioning
- Comprehensive activity logging and audit trails
- Replication to other NFS, object or cloud targets for offsite redundancy

ARCHIVE FEATURES

- Archive data at the system, export, or directory level
- Automated notification upon job completion
- Archive to any NFS, object or cloud storage location
- Search-to-restore archived data at the file, directory, export, or system level to the original source or an alternate target
- Index archived data on ingest

CLOUD TIERING FEATURES

- Data lifecycle management – across on-premises and cloud locations – intelligently and cost-effectively expires data no matter where it's stored
- Cloud storage integration with AWS, Azure, and GCP or other S3-compliant storage service
- Efficient data movement to cloud storage configurable to use dedicated connections, and bandwidth controls
- Optional secondary replication between any on-premises or remote NFS, cloud, or private S3 storage endpoints for additional redundancy
- Search the NAS Cloud Direct index to restore data while maintaining file permissions

ABOUT RUBRIK SECURITY CLOUD:

With Rubrik Security Cloud, you can keep your data secure, monitor data risk, and quickly recover your data, wherever it lives.

- Reduce your data risks through continuous monitoring for ransomware, sensitive data exposure and malware reinfection.
- Centrally and securely manage access and SLAs across enterprise, cloud and SaaS.
- Instantly access the latest security innovations from Rubrik.



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Rubrik is a cybersecurity company. We are the pioneer in Zero Trust Data Security™. Companies around the world rely on Rubrik for business resilience against cyber attacks, malicious insiders, and operational disruptions. Rubrik Security Cloud, powered by machine intelligence, enables our customers to secure data across their enterprise, cloud, and SaaS applications. We automatically protect data from cyber attacks, continuously monitor data risks and quickly recover data and applications. For more information please visit www.rubrik.com and follow @rubrikInc on Twitter and Rubrik, Inc. on LinkedIn. Rubrik is a registered trademark of Rubrik, Inc. Other marks may be trademarks of their respective owners.

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