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NAS Cloud Direct
Enterprise NAS Backup and Archive

NAS Cloud Direct offers powerful, easy-to-use data protection that delivers scalable enterprise backup and archive services for unstructured file and object data. With a proven record of simplifying data protection at scale, NAS Cloud Direct provides full integration with all major NAS platforms, and native support for all file-access protocols. 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. 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.

NAS Cloud Direct is deployed as a virtual machine that can be up and protecting data from any source – local and remote NAS – to any NFS or S3 target onpremises or to any cloud storage provider, within minutes.

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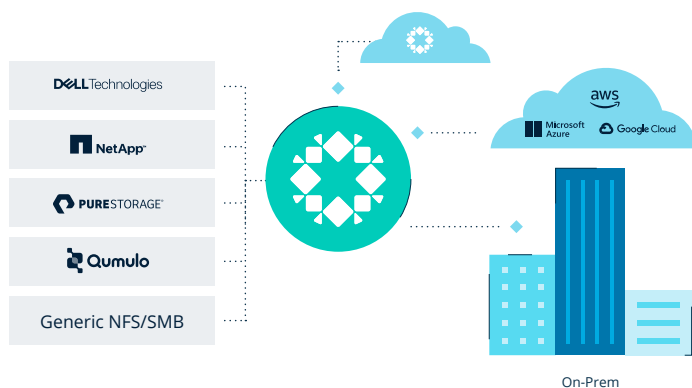
At any scale – from terabytes to petabytes of data and millions to billions of files – NAS Cloud Direct eliminates the complexity of tape solutions and the vendor lock-in of disk-to-disk backup solutions, all at a lower cost. NAS Cloud Direct's as-a-Service model simplifies data protection, anywhere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

WHAT WE PROVIDE

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.

FLEXIBLE PROTECTION
NAS Cloud Direct can protect any file data stored on any NAS system, using any protocol, and write data to any onpremises or cloud-based storage target.

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 exabytesize 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.

AS-A-SERVICE DELIVERY
NAS Cloud Direct remotely monitors service availability and performance, along with troubleshooting and software updates on NAS Cloud Direct customer deployments. 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

Rubrik, the Multi-Cloud Data Control™ Company, enables enterprises to maximize value from data that is increasingly fragmented across data centers and clouds. Rubrik delivers a single, policy-driven platform for data recovery, governance, compliance, and cloud mobility. For more information, visit www.rubrik.com and follow @rubrikInc on Twitter. © 2021 Rubrik. Rubrik is a registered trademark of Rubrik, Inc. Other marks may be trademarks of their respective owners.

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