

# Integrated cloud backup and archive for NAS

Integrated cloud backup and archiving with scale, security, and cost savings

The data center and storage landscape has changed dramatically over the last five years and is driving organizations to seek more efficient ways to protect and recover unstructured file data, much of which lives on network attached storage (NAS) data. Driven by internal factors like data center consolidation and cloud-related initiatives, and by external factors like increased security threats (e.g., ransomware), organizations are seeking backup solutions that can enhance traditional approaches. Druva Phoenix, built on Amazon Web Services (AWS), provides a better alternative to traditional on-premises and cloud-gateway backup approaches by helping customers meet backup service-level agreements (SLAs), simplify long-term retention storage, reduce costs, and more easily address security requirements.

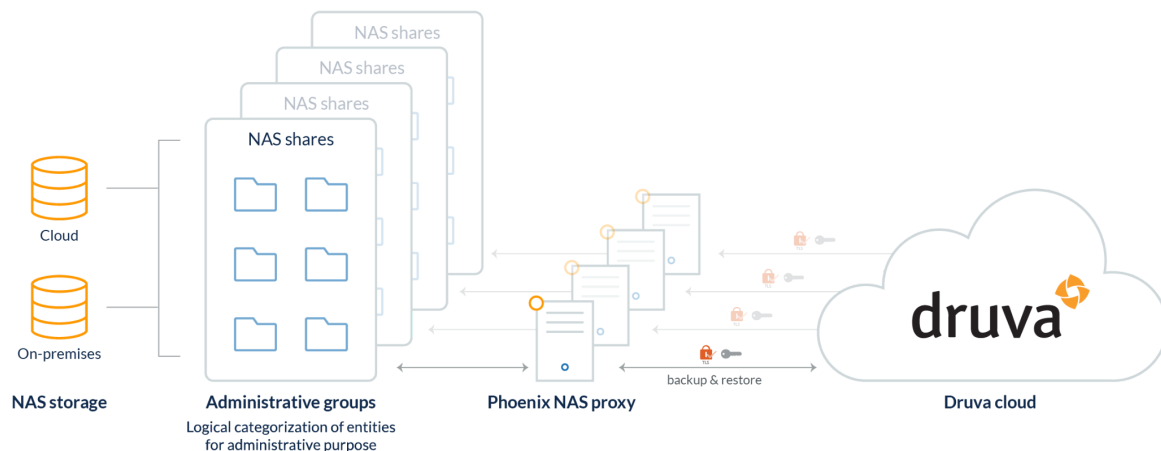
## Challenges

For all of the flexibility provided by network attached storage, cost-effective and efficient data protection has always been a challenge. Infrastructure and storage teams seeking to protect valuable corporate data face these challenges:

- **Slow performance** – Slow backup and difficult restores cause missed RPOs and RTOs
- **High cost** – Getting data offsite and meeting compliance needs is expensive
- **Complexity** – Administration and infrastructure management consumes too much time
- **Security** – Backup infrastructure and data not adequately protected from ransomware
- **Backup storage analytics** – Difficult to analyze and improve backup storage consumption (e.g., large amounts of NAS data is old and inactive)

## Benefits

- **High performance and cloud scale** – Metadata-aware architecture delivers high performance and supports concurrent NAS backup/recovery operations.
- **Stronger security (vs. on-premises)** – Data is encrypted, not stored as readable files, and isolated from on-premises networks providing a better layer of security.
- **File-level recovery from any backup and any storage tier** – Indexed files and metadata are available by search from hot to cold storage tiers.
- **Lower cost vs. traditional on-premises solutions** – Eliminates dedicated backup hardware and leverages the economics of Druva cloud storage, analytics, and long-term retention storage capabilities (up to 50% lower costs vs. warm storage)



Key benefits	Results
Druva delivers source-side deduplication, SmartScan technology, parallel ingest, and incremental forever for fast backup performance at scale.	High performance and scale
Druva stores NAS data in its native format and can quickly restore individual files from any storage tier.	Fast, file-level recovery
Druva provides global deduplication, storage tiering, and direct-to-cold storage backup and archive.	Lower TCO
Druva offers a one-click step for long-term retention of backup data on AWS S3 Glacier Deep Archive.	Easy to meet long-term compliance needs
Druva is cloud-native which makes it reliable and always updated. Auto-update any Druva agents from the cloud.	No more patching/updates
Druva allows customers to increase performance and scale by adding more virtual or physical proxies.	Scale without hardware lock-in
Druva can back up any NAS platform and restore to any NAS platform.	Eliminate storage vendor lock-in for backup
Druva enables anyone with proper access to search NAS backup data with different patterns (keywords, filters, etc.).	Search of NAS-backup data made easier
Druva provides storage insights to help IT teams get smarter about storage use, backup data types, and inactive data pools that could be candidates for deletion.	Value-added insights from backup data for faster backups /less storage consumption
When compared to on-premises backups, Druva adds a layer of security to all NAS backup data by separating metadata and data and placing it in an isolated storage system separate from the customer network.	Built-in security and ransomware protection

## Use cases

### Flexible and intelligent tiering

Druva enables flexible storage tiering to lower cost and complexity. For backups with long-term retention (LTR) requirements (over one year), one-click turns on LTR moving older data to a cold tier (recent data on a warm tier) with 30% savings. For LTR data held only for compliance reasons, Druva offers a direct-to-cold storage backup and archive option called Infrequent Access<sup>1</sup> with 50% savings vs. warm tier.

<sup>1</sup> Infrequent Access is an early access feature. Speak to Druva for general availability details.

### Cross-platform migration

Enterprises with NAS deployments are limited to managing data with vendor-provided solutions. Druva allows you to migrate data to avoid vendor lock-in and lower TCO. Migrate directly from your NAS backups to provide cross-platform migrations.

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