

Druva Phoenix for NAS

NAS backup and restore built for scale & cost savings

The data center and storage landscape has changed dramatically over the last 5 years and is driving organizations to seek more efficient ways to protect and recover 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 exceed backup service-level agreements (SLAs), reduce costs, and address security requirements.

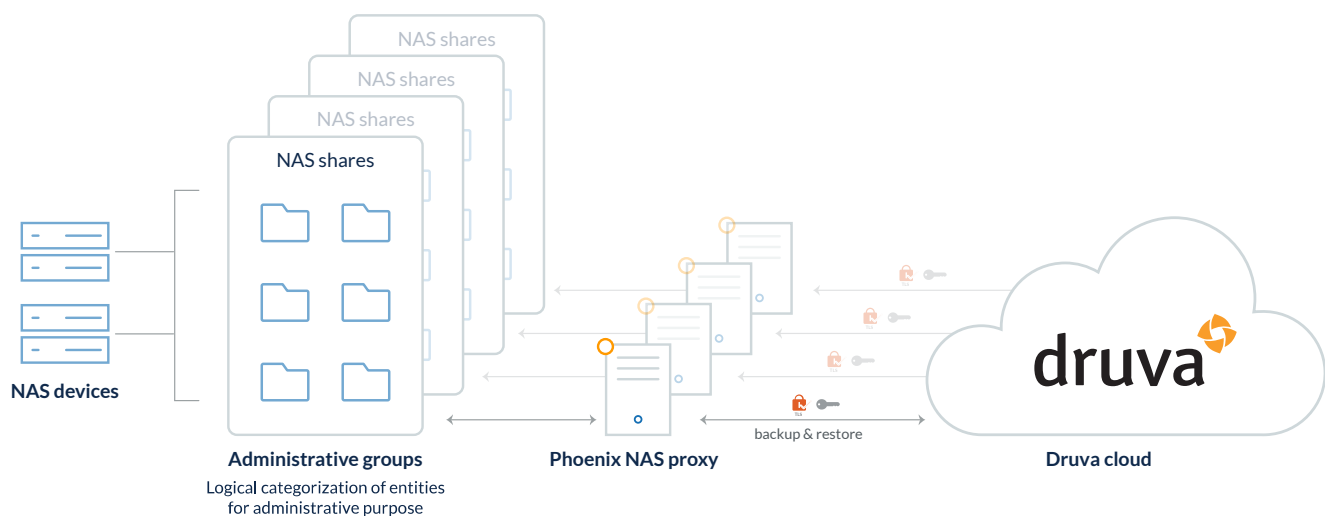
Challenges

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** – Storage and third-party backup infrastructure costs are unpredictable and rising
- **Difficult to manage** – 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 features like intelligent long-term retention.



Key benefits	Result
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 and intelligent tiering of long-term retention data.	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 & ransomware protection

Use cases

Flexible and intelligent tiering

Druva enables flexible and intelligent storage tiering that allows customers to align workload protection with their business requirements. For data with long-term retention (LTR) requirements (over 1 year), Druva offers a one-click option to store LTR data in the lowest cost storage tier. For active data, Druva manages cloud tiers automatically allowing customers to simply recover from a warm tier.

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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Druva™ delivers data protection and management for the cloud era. Druva Cloud Platform is built on AWS and offered as-a-Service; customers drive down costs by up to 50 percent by freeing themselves from the burden of unnecessary hardware, capacity planning, and software management. Druva is trusted worldwide by over 4,000 companies at the forefront of embracing cloud. Druva is a privately held company headquartered in Sunnyvale, California and is funded by Sequoia Capital, Tenaya Capital, Riverwood Capital, Viking Global Investors, and Nexus Partners. Visit [Druva](https://druva.com) and follow us [@druvainc](https://twitter.com/druvainc).