Cloud Data Protection for Nutanix AHV

Druva and Nutanix work together to help enterprises experience the benefits of the cloud (speed, scale, and flexibility) wherever they run infrastructure. Nutanix makes data center infrastructure invisible by delivering an enterprise cloud that enables IT to focus on applications and services that power their business. Druva aligns to this strategy with the industry's only Data Resiliency Cloud, centralizing data protection across platforms, applications, and geographies into a single data pool in the cloud, accessed from a unified management console. This drives significant cost and organizational efficiencies allowing IT, information security, and development teams to work together more quickly and efficiently.

The Druva Data Resiliency Cloud

The Druva Data Resiliency Cloud brings the simplicity, scalability, and security of the public cloud to enterprise data protection and management. It enables enterprises with Nutanix to accelerate their cyber, data, and operational resilience without hardware, software, or associated complexity.

Druva is a single solution that deploys in 15 minutes, eliminating the need for implementation services to configure and tune backup infrastructure with its simple setup. Druva protects global Nutanix environments and centralizes data into a single pool in the cloud, simplifying backup and disaster recovery operations, and offering advanced functions including long-term data retention, compliance, eDiscovery, and analytics.

Powered by Amazon Web Services (AWS), Druva harnesses and builds on the native technologies and global reach of AWS with these additional features:

- Global, source deduplication reduces cloud storage costs by ensuring only unique data blocks are stored across multiple SDDCs.
- Automated storage tiering reduces long-term retention costs by moving unique data blocks to AWS S3 Glacier Deep Archive.
- Multi-layered protection for cyber resilience including air-gapped backup data, built-in multi-factor authentication (MFA), and Druva Rollback Actions to recover deleted backup data.

Customers see Druva as an attractive alternative to their existing backup solutions for the following reasons:

- Legacy data backup solutions are complex and expensive to scale.
- Rising data protection costs and security concerns for both backup infrastructure and data.
- Druva aligns with customers' cloud initiatives.

Druva automatically scales to support up to tens of petabytes, eliminating the additional costs and overhead of legacy solutions.
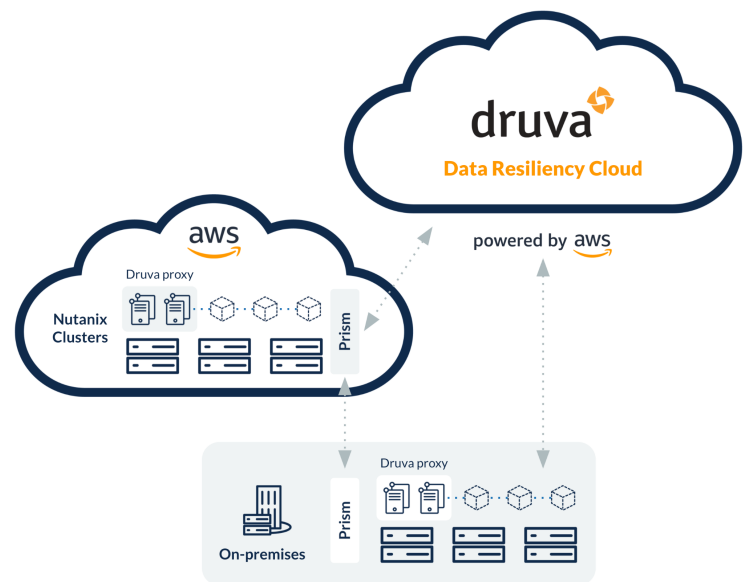
Use cases

Virtual Machines — Nutanix AHV

Druva integrates with Nutanix AHV through an agentless proxy that auto-discovers virtual machines and configures change block tracking, including guest processing and data backup. This integration enables application consistent backups without any VM stun. Customers can quickly define a policy for groups of virtual machines, retention rules, and recovery point objectives.

Druva also integrates tightly with VMware and Microsoft, using partner-defined APIs and a similar approach as AHV to provide enterprise-grade protection of vSphere, both on-premises and in VMware Cloud, as well as Hyper-V.

Nutanix Files

Druva simplifies and lowers the cost of data protection for Nutanix Files as well as all other file services, with deep analytics, global source deduplication, auto-tiering and direct-to-cold storage capabilities. By deploying one or more agentless proxies, organizations can scale backup and recovery operations for network-based file services to meet their needs. Druva Storage Insights and Recommendations automatically scans metadata to help you identify and remove non-critical business data from backups.

Key features

Simple and scalable cloud backup

- Agentless and automated protection of Nutanix AHV, VMware vSphere, and Microsoft Hyper-V.
- Global, source deduplication and change-block tracking accelerate backups, reduce bandwidth and storage consumption.
- Application-consistent backups without any VM stun.

Data security, ransomware protection, and privacy

- Operational security of cloud backup platform with 24/7 fully managed security operations.
- Air-gapped backups are automatically protected in-flight using Transport Layer Security (TLS) protocol, and at-rest with AES 256-bit envelope encryption (customer-controlled keys).
- Druva Curated Recovery automatically finds the most recent clean version of every file and compiles it into a single curated snapshot.

Fast and flexible recovery on-premises and in the cloud

- Search for VMs and files across snapshots for granular and high-performance recovery.
- Instant Restore of VMware vSphere VMs using Druva CloudCache without hardware lock-in.
- Leverage Druva CloudCache to meet demanding RTO or RPOs.

Integrated data archiving

- Auto-tiered storage to long-term cold storage.*
- Shared global dedupe index for lower-cost, long-term storage.
- No limitation to the number of aged snapshots.

Modern data protection experience

- Cloud-based, centralized management and reporting.
- Multi-Factor Authentication (MFA) and Role Based Access Control (RBAC).
- Actionable and predictive analytics for storage and backup optimization.

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* AHV support for advanced features (long-term retention and CloudCache) are expected in subsequent updates. These features are already available for all other Druva support workloads on Nutanix. Speak to Druva for more details.

Key benefits

- Unified cloud data protection of Nutanix and AHV infrastructures on-premises and in the cloud.

- Fast, flexible restores and workload mobility across on-premises and cloud (15+ AWS regions).

- Optimized storage, no infrastructure, and a simpler process drive up to a 50% lower TCO.

- Business continuity at a fraction of the cost of replication solutions.

aws marketplace

Find Druva in AWS Marketplace

Get started