

Simplified Converged Data Protection and Recovery for Nutanix AHV

Looking for a modern and efficient data protection and recovery solution for Nutanix Acropolis Hypervisor Infrastructures?

With the increasing adoption of Nutanix AHV in the enterprise, organizations are faced with the challenge of identifying a modern data protection and recovery solution to efficiently protect the growing number of applications and information generated by their business. All while supporting stricter business requirements demanding shorter Recovery Points and faster Recovery Times.

Legacy data protection and recovery solutions were designed more than 10 years ago were engineered based on outdated technologies, and haven't been able to keep up with the demands of today's environments. Data protection and recovery typically consists of a complex mixture of expensive point products and solutions for target storage, backup software, media servers, proxies, replication, and disaster recovery.

Today's modern data centers require simpler, efficient, and cost-effective ways to keep data and information safe. Cohesity is specifically designed and engineered to solve this problem with an entirely new and modern approach for data protection and recovery for Nutanix AHV.

Simplified and Efficient Data Protection and Recovery for Nutanix AHV Infrastructures

Cohesity provides the only hyperconverged platform that eliminates the complexity and operational inefficiencies of traditional data protection and recovery solutions by unifying your end-to-end data protection and recovery infrastructure – including target storage, backup, replication, disaster recovery, and cloud tiering. Eliminate data protection and recovery silos by converging all your backup infrastructure on a scale-out platform.

Simplify management with a single UI and policy-based automation. Accelerate your recovery points and recovery times while cutting data protection costs by 50%. Integrate with all the leading public clouds for long term archival, tiering and replication.

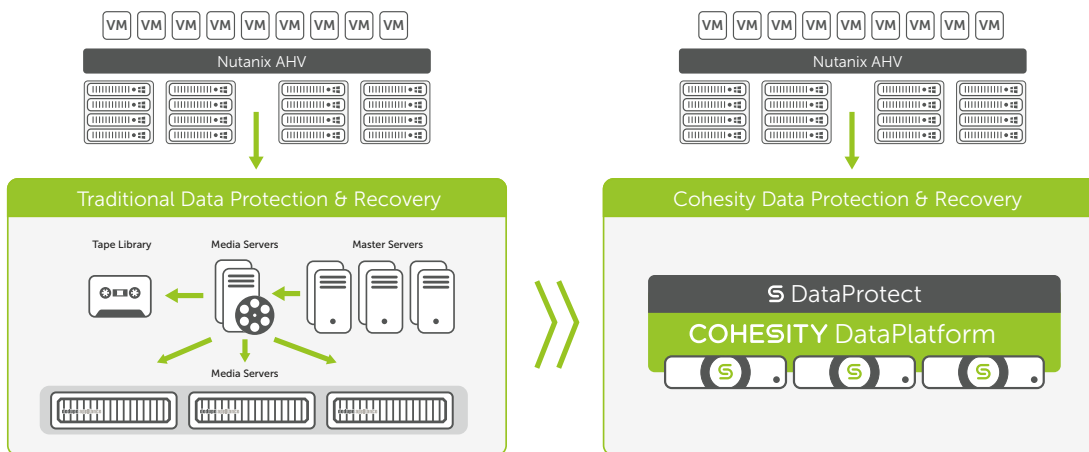
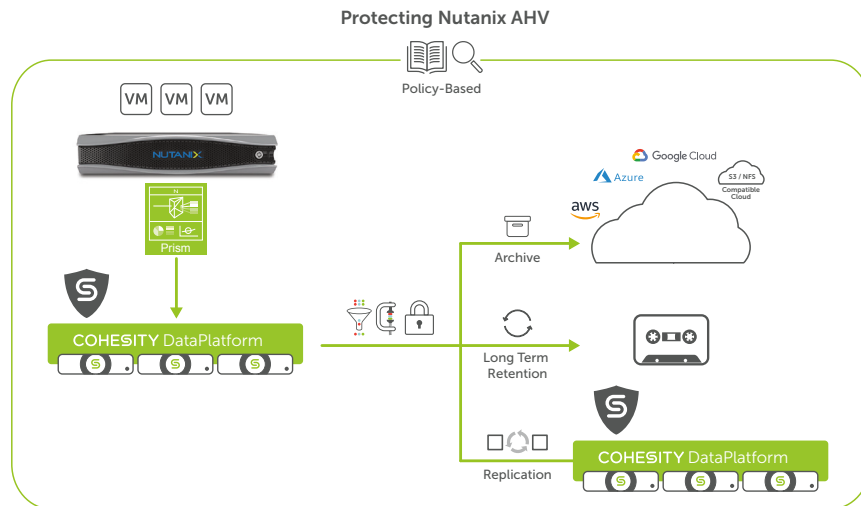


Figure 1: Cohesity Simplifies Secondary Storage and Data Protection

TRADITIONAL DATA PROTECTION AND RECOVERY	COHESITY DATA PROTECTION AND RECOVERY
✗ Multiple product silos	✓ Converged scale-out platform
✗ Complex management	✓ Simple management
✗ Fragmented deduplication	✓ Global Deduplication
✗ Slow RPOs and RTOs	✓ 5 minute RPO's, near-instant RTOs
✗ Disruptive upgrades and expansion	✓ Non-disruptive upgrades and expansion
✗ Limited cloud integration	✓ Native cloud integration

Cohesity and Nutanix AHV Integration

Cohesity DataProtect is tightly integrated with Nutanix AOS, Prism and AHV V5.1.1+ to provide the simplest, most efficient, reliable and fastest data protection and recovery possible.



Cohesity Protects Nutanix Clusters, Archives & Tiers to the Cloud

- Prism managed objects: Prism integration enables Cohesity to automatically register all AHV vDisk objects. The user can then assign simple SLA policies to VMs or groups of VMs in the Cohesity UI to automate data protection and recovery
- Nutanix API and changed-block tracking with AHV: Nutanix APIs are used to discover the VM properties. Cohesity then leverages AHV changed-block tracking to ensure efficient backups of the vDisks.
- Agentless crash and application-consistent snapshots are taken and the data is securely transferred to the Cohesity platform and kept fully hydrated
- AHV VMs can be recovered to original source, to other Nutanix clusters, other networks or other Nutanix data stores
- Whole VM, vDisk and file-level recovery options

Beyond Data Protection: Making Your Data Productive

Traditional data protection solutions only provide an expensive insurance policy. The data is unproductive until disaster strikes. Cohesity takes a completely different approach. Data is valuable, and Cohesity puts backup data to productive use. Once the data is protected on Cohesity, it can be used to support multiple use cases.

- Build a Multicloud data fabric to support disaster recovery, test/dev, and application migrations across Multicloud environments.
- Provide developers with access to zero-cost copies of your data to accelerate test and dev processes. Perform custom analytics jobs of your protected data directly on the Cohesity cluster, without having to copy data to a separate analytics cluster.
- Easily analyze your data, whether to ensure compliance or to extract valuable insight from your backups. Cohesity exposes distributed NFS, SMB and S3 interfaces to provide file and object storage. Eliminate the need to manage multiple silos, and converge your files and object storage on the same platform used for your data protection.

Native Integration with Public Cloud Providers

Cohesity provides native integration with all the leading public cloud providers including Google Cloud Storage Nearline, Microsoft Azure, Amazon S3 and Glacier. Cohesity can leverage the cloud for the following use cases:

CloudArchive: Replace tape rotations and vaulting with long-term archival to the cloud. Enable Google-like search on your local Cohesity cluster to quickly identify data archived in the cloud. Recover to the original cluster or to a new cluster.

CloudTier: Leverage compelling cloud economics with native cloud integration for data tiering. Colder data is automatically tiered to the cloud to increase the capacity of the Cohesity cluster.

CloudReplicate: Replicate your data to a Cohesity cluster running in the cloud to create a Multicloud data fabric that supports disaster recovery, test/dev and analytics.

Cohesity provides organizations using Nutanix AHV the ability to bridge the traditional “islands of secondary storage” by leveraging the truly global file system and storage efficiency technologies built into the Cohesity DataPlatform. These capabilities help customers in transforming their data centers from silos of dark data to highly efficient, next-generation web-scale Enterprise IT.

Summary

Cohesity object storage provides advanced, enterprise-class data storage management that leverages Cohesity DataPlatform to provide highly available, secure and efficient hyperconverged secondary storage.