COHESITY | **Lenovo** | **NUTANIX**

Modern data security and management for hybrid and multicloud

Key Benefits

- Simplified data management across hyperconverged infrastructure

- Modern data protection for Nutanix AHV environment

- Improved security posture against ransomware attacks

- Pretested and certified for seamless deployment and interoperability

- Best-in-class performance powered by Lenovo ThinkAgile HX hardware

In the realm of hyperconverged infrastructure (HCI), seamless integration of data security and effective management is critical. Strengthening data protection and availability serves as the foundation for business continuity. Organizations often face challenges achieving their business objectives due to overlooked backup windows, failure to meet recovery Service Level Agreements (SLAs), data loss, and application unavailability. Traditional data protection solutions have created complex infrastructure silos that require specialized personnel or teams to deploy and manage the backup infrastructure on an o-going basis. Cohesity, Nutanix, and Lenovo stand at the forefront, offering comprehensive solutions that combine robust security measures with seamless data management in the HCI landscape.

Overview

Cohesity, Lenovo, Nutanix have collaborated on a new approach to deploying and managing data protection solutions with enablement of the Nutanix with Cohesity platforms on ThinkAgile HX integrated systems. The solution combines Nutanix's HCI software and Cohesity's data security and management solutions into Lenovo's ThinkAgile HX hardware, creating a holistic infrastructure. With an enterprise-class data protection solution that's simple to deploy and manage, customers can back up their existing Lenovo ThinkAgile HX clusters, 3-tier architectures, physical servers, or public cloud storage such as Microsoft Azure for longer-term retention.

Modern backup and recovery for Nutanix AHV infrastructures

Nutanix AHV® hypervisor, an enterprise-class native virtualization solution, bridges the silos between traditional enterprise IT and modern cloud-native applications and delivers features to securely run and protect enterprise applications. Cohesity provides a web-scale solution that simplifies and automates enterprise backup and data management—a perfect complement to the Nutanix AHV environment running on Lenovo infrastructure. It delivers a modern approach to protecting data against natural or human threats. Cohesity's integration with Nutanix AOS and AHV offers a simple and more efficient backup and disaster recovery solution. Customers can achieve crash consistent backup of their Nutanix AHV environment thanks to Cohesity's integration with NGT (Nutanix Guest Tool).
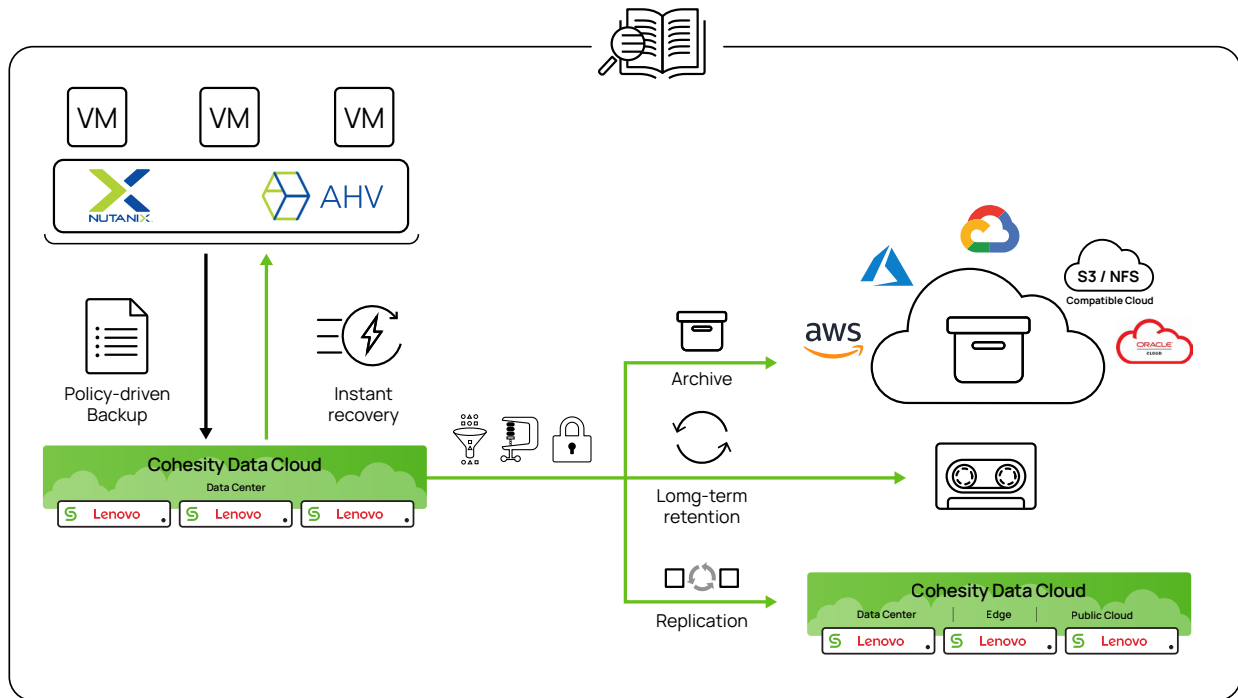
Figure 1: Nutanix AHV with Cohesity Solution Overview

- **Single platform for Nutanix AHV environments:** Eliminate data silos by consolidating backup, disaster recovery, dev/test, and analytics workloads on-premises and in the public cloud into a single, multicloud data platform.

- **Comprehensive cyber resilience:** Gain comprehensive data protection for a broad set of enterprise apps (traditional, cloud-native, and SaaS), databases, network-attached storage (NAS), including the Nutanix Files™ software through support for Distributed File System - Referrals (DFS-R), and workloads running in virtual, physical, containerized, and cloud environments with unified management, reporting, and user experience in a single, global UI.

- **Instant mass recovery of AHV workloads:** Protect data against cyber threats and outages with unlimited immutable snapshots and enterprise-level security and encryption to instantly recover AHV workloads, including hundreds of files, objects, and VMs at scale across the entire data landscape. Reduce recovery time objectives (RTO) to mere minutes.

- **Integrated cybersecurity and protection against ransomware attacks:** Protect backup data against sophisticated ransomware attacks with immutable backup snapshots combined with WORM, RBAC, MFA, and data encryption (in flight and at rest).

Defend your data against ransomware

Cohesity effectively counters ransomware attacks and helps your organization avoid paying ransom. Its multilayered approach protects backup data against ransomware, detects threats, and helps organizations rapidly recover from an attack. Cohesity's unique immutable architecture helps ensure your backup data can't be encrypted, modified, or deleted. Using machine learning, it provides visibility and continuously monitors for any anomalies in your data. And if the worst happens, Cohesity helps locate a clean copy of data across your global footprint, including public clouds, to instantly recover and reduce downtime.

- **Protect**: Protects your mission-critical Nutanix investment with immutable snapshots, WORM, MFA, RBAC, encryption in flight and at rest, and more.

- **Detect**: AI-driven intelligence establishes patterns and automatically detects and reports anomalies

- **Recover**: Maintain a vaulted data copy that's always available. Get back to business fast with simple search and instant recovery to any point in time. Instantly recover hundreds of virtual machines (VMs), databases, and files and objects.

Why Lenovo and Nutanix

Cohesity has a longstanding partnership with Lenovo and Nutanix. Cohesity's AI-powered data security and management platform and the Lenovo ThinkAgile HX portfolio that runs the Nutanix Enterprise Cloud stack have been designed to help our customers simplify their complex backup environments and reduce the operations overhead needed to manage data protection solutions.

- **Certified and pre-tested solutions:** Cohesity and Lenovo have certified a number of solutions that combine Cohesity's software with Lenovo's hardware. These solutions are pretested and validated, ensuring they're both compatible and interoperable—helping reduce deployment time and risk.

- **Proven solutions:** Lenovo ThinkAgile HX Series, a best-in-class hyperconverged system with Nutanix's industry-leading software preloaded on Lenovo platforms, dramatically simplifies data center management, frees up your IT staff, and reduces unplanned downtime by up to 97%, ultimately reducing your total cost of operations by 43%*.

- **Nutanix Ready certified:** This certification demonstrates the interoperability of Cohesity's backup and recovery capabilities with the Nutanix delivery infrastructure. All products featured as Nutanix Ready have completed verification testing, which gives our customers added confidence regarding the compatibility of the solution. As part of this validation, Nutanix and Cohesity share each other's APIs and software, collaborating to help our joint customers benefit from continued innovation.

* Multiple Clouds vs. Multicloud: What's the Difference and Why Does It Matter? (nutanix.com)

To learn how you can simplify and modernize your backup and recovery in the hybrid and multi clouds, visit https://www.cohesity.com/solutions/technology-partners/lenovo/

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