

# ThinkAgile HX Data Protection Solution with Mine and Veeam

## Nutanix Mine based Backup Solution

Easy to size, deploy, operate, and scale out

### Customer Challenges

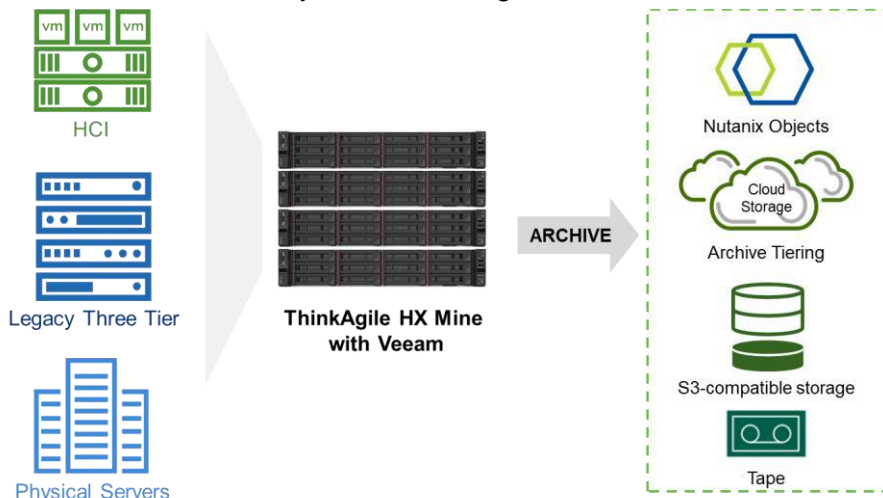
Datacenter modernization has been the top priority for organizations that want to keep up with the changing business landscape and maintain a competitive edge. As part of this journey, organizations have successfully broken-down infrastructure silos and adopted newer Hyperconverged Infrastructure based architectures for their primary infrastructure stacks. But, many if not all organizations still use a traditional backup infrastructure solution, which requires a specialized team to deploy the backup infrastructure and operate it on a day-to-day basis.

Data protection and availability are the cornerstones for business continuity, and often, organizations struggle to meet their business goals due to missed backup windows, not meeting recovery Service Level Agreements (SLAs), data loss, and application unavailability.

### Solution Overview

ThinkAgile HX platform running Nutanix Mine with Veeam allows customers to run an enterprise class data protection solution, that's simple to deploy and manage, but also allows customers to backup their existing ThinkAgile HX or any other HCI platform, 3-tier architectures running vSphere or Hyper-V or any physical servers, and then move data to public cloud storage services like Amazon S3 for longer term retention.

This solution offers the advanced functionality and support of Veeam Backup and Replication, which includes application aware data protection for applications like Microsoft SQL Server, SAP HANA, Oracle, etc. and enhances it with the resiliency of the ThinkAgile HX Platform



### Highlights

- **Faster time to value** with a better customer experience for sizing, ordering, deployment, management, scaling, and on-going support. Automated deployment for Nutanix Mine with Veeam on ThinkAgile HX takes under **two hours**.
- **Unified IT operations** across primary and backup infrastructure using Prism management console with 1-click simplicity
- **Drop in, scale up, and scale out** that streamlines deployment and delivers cloud-like scaling for storage and data protection, without the proprietary-cloud storage add-on costs and rigid capacity limits

## Backup Infrastructure Simplified

- **Native Architecture:**  
Leveraging Nutanix distributed storage fabric
- **Automated Roll-out:**  
Foundation for Mine automates the deployment and configuration of the Veeam components and SOBR (Scale-Out Backup Repository)
- **Flexible Scaling:** On-demand non-disruptive scale out for precise capacity planning
- **Reduced Management:**  
Simplified management of the backup environment with integrated Mine Dashboard
- **Cloud Flexibility:** Ability to leverage Amazon S3, S3-compatible storage like Nutanix Objects on ThinkAgile HX, or Azure Blob for archival needs

## Simplified Configurations

Lenovo ThinkAgile HX supports two configurations or form factors for running Mine with Veeam: A Small config that is based on the HX 2321 Certified Nodes, and a Medium config that is based on the HX 5521 Certified Nodes. Both configurations start with a minimum of 4 nodes, which provide 96TB and 384TB of raw storage, respectively. Nutanix Sizer integration removes the guesswork associated in sizing backup infrastructure and provide a starting point that is easy to scale out in the future by adding one matching node at a time to an existing cluster.

## Simplified Management

Nutanix Mine *with Veeam* builds on top of the simplified management and one-click operations that Nutanix has delivered for years on ThinkAgile HX platforms. Integrated Mine Dashboard in Prism allows virtualization admins to monitor their backup jobs and infrastructure without leaving the Prism Console. On-going operations are made simpler by using Nutanix Lifecycle Manager (LCM) and Lenovo Best Recipes. Virtualization admins can now manage their backup infrastructure in the same way they manage their production infrastructure.

## Why Lenovo

Lenovo is a leading provider of data center infrastructure solutions. We work closely with you to identify, design, install and support the solution that best ensures your business needs are met throughout the IT lifecycle. Lenovo offers enterprise class servers and appliances, along with a full range of storage, software and professional services to satisfy your IT requirements from the edge to the data center.

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[Lenovo ThinkAgile HX Landing Page](http://www.lenovo.com/systems/solutions/thinkagile-hx)

<https://www.nutanix.com/products/mine>

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