

# Top Reasons to Protect Nutanix Workloads with NetBackup

Unified data management for hyperconverged platforms.

The relentless growth of data and the wide adoption of virtualization is increasing complexity for IT professionals. This hyperconverged trend is moving mission-critical data and applications into simplified infrastructure, and as a result, there is increasing demand for scalable data protection solutions that enable the application of consistent data protection policies and compliance standards. Plus, even the most resilient infrastructure benefits from a strategy that guards against data loss and ransomware attacks. As a result, organizations are turning to hyperconverged solutions like Nutanix™ to simplify their IT environments by managing their entire IT stack with one simple solution.

Together, Nutanix and Veritas empower IT professionals to spend more time on the development of applications and services and less time worrying about data center infrastructure. The partnership between Nutanix and Veritas helps ensure critical data and workloads running on Nutanix are protected with a unified, easy-to-manage and cost-effective hyperconverged platform that is the foundation for end-to-end data management.

## Top Reasons to Protect Nutanix Workloads With NetBackup™



### 1. Unify and Automate Data Protection Across all Workloads

The NetBackup web user interface (UI) supports Nutanix AHV workloads listing Virtual Machines (VMs), AHV Clusters or Intelligent VM Groups. This integration further simplifies and automates backup and restore for Nutanix customers and elevates Nutanix AHV to the same level of manageability and visibility NetBackup currently provides for VMware and physical workloads.



### 2. Enhance Agentless Support for Single File and Folder Recovery

Organizations don't need to install any agents, clients or additional software on the Nutanix cluster to provide complete data protection for Nutanix workloads. NetBackup further enhances agentless support, including single file and folder recovery. Granular restore options like restoring a single file or folder versus restoring a complete volume allows IT professionals working with Nutanix-powered infrastructure to save time, money, and disruption.



### 3. Speed Recovery of full VMs with Snapshot Technology

Hyperconverged environments demand scalable and flexible data protection support. NetBackup leverages snapshot technology to perform full VM restores of Nutanix's AHV virtual machines. Rather than restoring VM from the backup image NetBackup uses the snapshot available on the Nutanix cluster to restore. By eliminating the need for data movement, NetBackup can restore from the media server to the Nutanix cluster much faster and without additional network load.



#### 4. Support Application-Consistent Backups

NetBackup leverages Nutanix Guest Tools to provide application-consistent backups of VMs running on Nutanix AHV using Windows VSS or Linux scripts. Application-consistent support delivers confidence when restoring applications and avoids potential data corruption. Better still, this approach eliminates inconvenient consistency problems that may lead to the inability to restart an application after the restore.



#### 5. Leverage Nutanix Resource Throttling

NetBackup leverages native Nutanix controls to gradually set resource limits during backup jobs per cluster, node or storage container and limits the snapshots per cluster. Resource throttling automatically load-balances backups jobs across the environment, so no single component is overloaded. This process ensures AHV users are not impacted by backups, resulting in a faster, more reliable backup environment.



#### 6. Use Intelligent VM Group Filters to Classify Protection

NetBackup enables organizations to logically group Nutanix VMs together to manage their backups based on VM name, storage container, power state or universally unique identifier (UUID) more efficiently. Backup administrators can classify the different types of protection they want to assign to each group, automate the discovery and assign the protection type of new machines as they come online. This capability increases operational efficiency and ensures all machines are properly protected from data loss.



#### 7. Add Multi-Protocol Support for NAS Dynamic Data Protection

Unstructured data appears in unexpected places and is hard to categorize, making it challenging to back up and restore. NetBackup offers enhanced support of NAS protocols including NFS and CIFS/SMB, providing a simple, straightforward approach to protect Nutanix files. NetBackup automates the discovery of new volumes and streamlines the application of lifecycle management, making maintenance of data protection policies simple and error-free.



#### 8. Protect Your Block-Based Applications

NetBackup enables IT professionals to design data protection strategies that best suits their unique business requirements with coverage such as iSCSI to support Microsoft Windows environments that only support a block protocol.



#### 9. Simplify Administration with Role-Based Access Control (RBAC)

NetBackup offers role-based templates to help IT streamline the process of role creation so different levels of users only see and perform authorized tasks. This capability lets IT easily enforce access and control through NetBackup's web UI or with RESTful APIs without hindering users' ability to perform their jobs.

To learn more about hyperconverged storage and backup solutions, visit [Veritas.com](https://www.veritas.com).

## About Veritas

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers—including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at [www.veritas.com](http://www.veritas.com). Follow us on Twitter at [@veritastechllc](https://twitter.com/veritastechllc).

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