

Veritas Data Protection for Nutanix Enterprise Cloud

INTRODUCTION

Enterprises are increasingly vulnerable to data loss and downtime during disasters as their legacy data protection and disaster recovery (DR) solutions can no longer adequately support their virtualized applications and growing infrastructure. Budget constraints and deployment complexity have prohibited enterprises from protecting their applications, resulting in significant downtime due to software and hardware errors.

Separate silos of infrastructure create multiple layers of deployment and management complexity which result in excess time configuring and provisioning application resources across private cloud environments. This consumes valuable administrator time, prevents key IT personnel from focusing on strategic business initiatives and slows down the delivery of new business services to market.

To address these challenges, Nutanix and Veritas have partnered to create a seamless solution that combines a highly resilient, scale-out infrastructure with very efficient snapshot, cloning, and replication technologies to provide a higher level of data protection and disaster recovery with less complexity and lower cost.

HIGHLY AVAILABLE AND RESILIENT ENTERPRISE CLOUD

When Nutanix is combined with Veritas NetBackup, IT organizations gain further operational simplicity, ease of management and availability, through a highly scalable, agentless solution that provides a wide range of recovery point and recovery time objectives for all applications and data across hybrid cloud environments.

Through Veritas and Nutanix, organizations gain the benefits of a highly available and resilient Enterprise Cloud solution, that provides true web-scale capabilities. The Nutanix distributed scale-out architecture allows for the cluster to grow linearly by adding nodes when needed without limits delivering an immensely scalable, resilient and high performance architecture.

Likewise, additional NBU resources can be seamlessly scaled-out “just-in-time” to bolster performance, improve throughput and increase backup data retention to accommodate growing application environments. The combination of Nutanix and Veritas enable IT organizations to build a highly scalable, Enterprise Cloud that grows at the speed of the business.

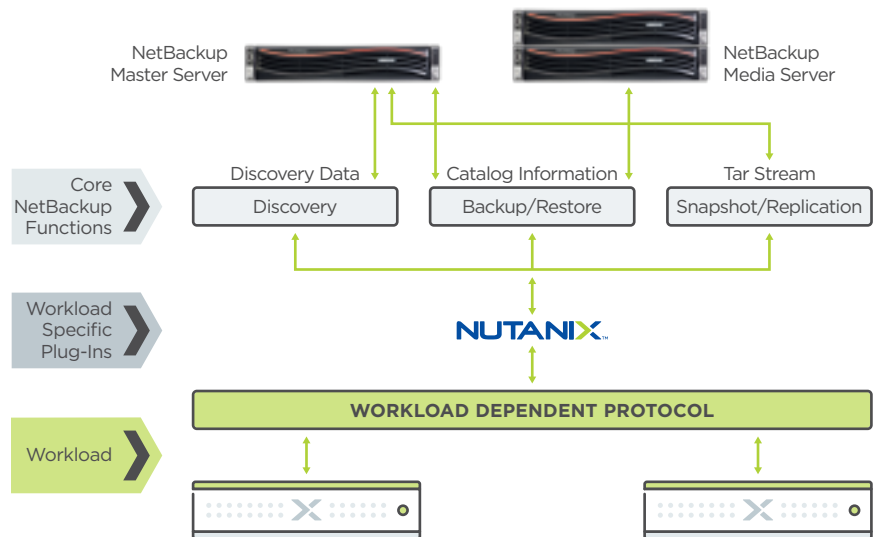


Fig 1: NetBackup Parallel Streaming Architecture Overview

NUTANIX AND VERITAS: A JOINT SOLUTION FROM THE INDUSTRY LEADERS

To meet the Always-On requirements of Enterprise Cloud environments, Nutanix NX nodes are designed with the same infrastructure resiliency design principles utilized by the largest hyper-scale cloud providers. Hardware components like flash, HDD's, network cards and power supplies are fully redundant and can withstand individual failures while remaining operational. In addition, Nutanix appliances can withstand the failure of an entire node without causing any disruption to production applications. This helps organizations increase availability and mitigate the risk of prolonged business application downtime due to hardware failures.

Veritas compliments Nutanix infrastructure resiliency through Availability features that dramatically simplify the rapid recovery of critical business applications and data. Some of these capabilities include:

Selective VMDK Backup and Recovery

Gain speed and flexibility for granular VMware backup and recovery operations whether it's the entire VM, files/folders, applications, and now VMDKs.

Intelligent, Automated Discovery and Backup

"Set-and-forget" intelligence puts the protection of VMs on cruise control by automating the discovery and backup of VMs and minimizes recovery failures because new or moved VMs weren't backed up.

Intelligent, Automated Load Balancing

Eliminates the need for complex, manual performance tuning, even as your virtual environment grows, to deliver lightning fast backup performance and near 100% backup success rates.

Accelerator

Protect virtual environments up to 100x faster by capturing and deduplicating only the incremental changes and creating a synthetic full with the fast recovery benefits of a full backup.

Instant Recovery

Give users fast access to up to 10 VMware VM applications simultaneously per media server by powering them up from backup disk and automatically migrate the VMs back to production storage without service disruption.

Agentless, Single-Pass Image Backup

Deliver faster, more granular file and folder level recoveries with NetBackup Granular Recovery Technology (GRT) and its comprehensive indexing, and eliminate the need for time consuming mount-and-browse of every VMDK from a single-pass, agentless backup.

NetBackup Parallel Streaming

Provides a framework to for on-demand, agentless, downloadable plugins, and deliver dynamically scaled protection for modern, petabyte-scale big data, hyperconverged, and open source workloads.

NetBackup CloudCatalyst


Deliver 3x faster backup to multi-cloud storage and eliminates the need to rehydrate deduplicated data and unnecessary storage cost and footprint.

Veritas Certified Cloud Storage Connectors

Simple, single-click multi-cloud backup supported by 40+ fully tested and certified integrated NetBackup cloud storage connectors and deliver multi-cloud storage with choice and confidence.

Together Nutanix and Veritas are enabling the next generation of enterprise data centers. With Veritas as the preferred choice for protecting your applications running on Nutanix, you get a seamless, natively integrated solution that delivers high availability while mitigating data center complexity, costs and footprint. Enjoy the simplicity of an automated solution that allows for easy and instant recovery of your critical data. You can finally accelerate the time to value for your infrastructure all while ensuring maximum protection for your critical workloads.



T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com |  @nutanix

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. The result is predictable performance, cloud-like infrastructure consumption, robust security, and seamless application mobility for a broad range of enterprise applications. Learn more at www.nutanix.com or follow us on [Twitter @nutanix](https://twitter.com/nutanix).

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