

Intelligent Data Management for the Nutanix Enterprise Cloud

Many organizations are attempting to undergo digital transformation in an effort to reduce costs, simplify IT, increase business agility and provide a seamless digital experience to end users. The challenge is that legacy IT infrastructure, composed of separate silos of compute, storage, networking and virtualization resources, creates IT complexity, increases costs, reduces business speed and elevates risk.

In addition to deployment complexity, separate silos of infrastructure create multiple layers of 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.

The reliance on manual processes to deploy, manage and scale-out resources across real-time business environments, while maintaining very high levels of application availability, also creates undue business risk. In fact, 82% of businesses admit having an Availability Gap which can lead to lost revenue, loss of brand prestige and loss of trust with customers. Unfortunately, these gaps are often the result of maintaining overly complex legacy IT environments that require extensive care and feeding from an application resource, application availability and data protection management perspective.

INVISIBLE INFRASTRUCTURE THAT JUST WORKS

Nutanix makes datacenter infrastructure invisible by delivering an Enterprise Cloud that enables IT to focus on the applications and services that power their business. The Nutanix Enterprise Cloud natively converges silos of compute, storage, networking and virtualization in a hyperconverged platform to run any workload, at any scale. Through the Nutanix Prism management console, IT organizations can accelerate application infrastructure deployments and simplify IT operational management through its low touch, one-click provisioning capabilities. Prism offers its users a centralized management and orchestration layer for the Nutanix Cluster that provides automated configuration, management, and analytics capabilities and does not require separate infrastructure.

When Nutanix is combined with Veeam Availability platform, IT organizations gain further operational simplicity, ease of management and availability, through a highly scalable, agentless solution that provides recovery time and recovery point objectives (RTPO™) of under 15 minutes for Nutanix AHV, VMware vSphere, Microsoft Hyper-V and data across hybrid cloud environments.

INTELLIGENT DATA MANAGEMENT FOR WEBSCALE ENGINEERED ENTERPRISE CLOUD

Through Veeam and Nutanix, organizations gain the benefits of an highly available 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. It is able to accomplish this through a 100% software-defined storage solution running on a hypervisor that aggregates the storage and compute performance between nodes, thereby merging these discrete resources into a single tier.

Likewise, additional Veeam resources like backup proxies and storage repositories 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 Veeam Software enable IT organizations to build a highly elastic, Enterprise Cloud that grows at the speed of the business to enable digital transformation.

Enterprise Cloud Resiliency and Availability

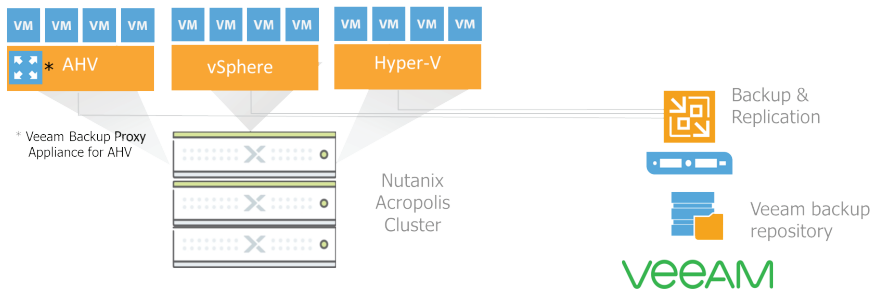
To meet the Hyper-Availability requirements of Enterprise Cloud environments, Nutanix nodes are designed with the same infrastructure resiliency design principles utilized by the largest hyper-scale cloud providers. Hardware components like flash, HDD's, network cards and power supplies are fully redundant 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.

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

- **Common Hyper-Availability platform** for Nutanix Acropolis environments supporting Nutanix AHV, VMware vSphere and Microsoft Hyper-V environments.
- **Hyper-Availability for ALL** applications and data, minimizing the risk to your business from data loss.
- **Granular Data Recovery** for Microsoft SQL, AD, Exchange, SharePoint and Oracle provide agentless, granular and rapid recovery of individual objects, files and individual application items from a simple and intuitive interface.
- **Operational simplicity** to eliminate the costs and complexity of legacy infrastructure, visualization and Intelligent Data Management.
- **Simplicity of the public cloud**, with the security, control and Availability you require in a private cloud.

Veeam Backup & Replication

Hyper-Availability for Nutanix for AHV, vSphere & Hyper-V



CONCLUSION

Nutanix and Veeam help organizations attain digital transformation through a joint solution that provides high performance, Availability, web-scale elasticity and increased business agility, while simplifying IT, reducing costs and decreasing data center footprint. Gain a higher return on your IT investments by leveraging Nutanix and Veeam to accelerate the time to value for your infrastructure and create a more seamless digital experience for end users while delivering Always-On Hyper-Availability for the Nutanix Enterprise Cloud.

NUTANIX
YOUR ENTERPRISE CLOUD

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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.

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