



# Availability for the Always-On Enterprise Cloud

## **AVAILABILITY FOR THE ALWAYS-ON ENTERPRISE CLOUD**

Many organizations are attempting to undergo digital transformation in an effort to reduce costs, simplify IT and increase business agility. 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 Suite, IT organizations gain further operational simplicity, ease of management and availability, through a highly scalable, agentless solution that provides recovery point and recovery time objectives (RPTO™) of under 15 minutes for all applications and data across hybrid cloud environments.

## ALWAYS-ON WEBSCALE ENGINEERED ENTERPRISE CLOUD

Through Veeam and Nutanix, organizations gain the benefits of an Always-On 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 tiers 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 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 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.

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:

**Instant VM Recovery:** With a few mouse clicks, recover VMs and their associated data in seconds and minutes directly from backup copies to ensure critical application recovery SLAs.

**Granular Data Recovery:** Veeam Explorers 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 web search-engine-like interface.

**Sure Backup:** Verify the integrity and recoverability of all your applications and data through Veeam's Sure Backup feature. 82% of Veeam users are more confident in their ability to meet Availability SLA's due to proactive tools like Sure Backup.

**On-Demand Sandbox:** Get a higher return on your investments in Availability and data protection by leveraging Veeam to quickly provision virtual labs that are totally isolated from production to spin up dev/test, user training and DR testing environments.

## CONCLUSION

Together Nutanix and Veeam are enabling the next generation of enterprise data centers. When you select Veeam to protect your applications running on Nutanix, you get a seamlessly integrated solution that delivers high availability while mitigating data center complexity, costs and footprint. Enjoy the flexibility of custom-fit SLAs for easy recovery and access and 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](http://www.nutanix.com) or follow us on [Twitter @nutanix](https://twitter.com/nutanix).

©2017 Nutanix, Inc. All rights reserved. Nutanix is a trademark of Nutanix, Inc., registered in the United States and other countries. All other brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holder(s).