

Modernize Your Environment with Red Hat Enterprise Linux and Nutanix Cloud Platform



Nutanix AHV and the Nutanix Cloud Infrastructure for Red Hat Enterprise Linux

Enterprise IT faces daunting challenges when it comes to operating a diverse set of applications on virtual infrastructure. Today's infrastructure stacks must reliably run everything from monolithic legacy enterprise applications to rapidly evolving cloud-native containerized applications.

To accommodate this diversity, infrastructure must be flexible, stable and scalable in every situation. Red Hat Enterprise Linux® in combination with Nutanix AHV virtualization and the [Nutanix Cloud Infrastructure](#), deliver the full benefits of both solutions by streamlining infrastructure and application management, as well as delivering performance, security and resiliency. This best-in-class infrastructure stack simplifies hybrid cloud operations.

Nutanix AHV and Nutanix Cloud Infrastructure

Nutanix AHV delivers a superior virtualization experience in every dimension, reducing manual tasks to intelligent, one-click operations. The [Nutanix Cloud Manager](#) drives this experience by integrating Nutanix AHV virtualization, infrastructure and operations management from a single intuitive interface. This reduces the overhead of operating a virtual environment and simplifies operations.

Nutanix AHV builds on the core capabilities of the Nutanix Cloud Infrastructure to create an open platform for virtualization that delivers the capabilities needed by the most demanding enterprise applications.

Built-in automation and self-healing remove the burden of constant performance tuning and troubleshooting. Nutanix can non-disruptively upgrade the entire virtual environment – including the guest operating system – to dramatically simplify every step of the application lifecycle.

AHV imposes no cluster size limits from a compute or storage perspective, resulting in a virtualized environment that scales to meet your operational requirements without artificial limits, while providing virtual machines (VMs) and containers with the resources they need.



Benefits of Nutanix AHV and the Nutanix Cloud Infrastructure

Invisible virtualization: Nutanix AHV virtualization is a native part of the Nutanix Cloud Infrastructure, combining elegant simplicity of operation and management with all the features and functions enterprises expect from the best virtualization solutions.

Easy management: Nutanix makes it easy to manage virtualization, hyperconverged infrastructure (HCI), virtual networking, security, and automation through one common control plane.

Native security: Factory-applied best practices, network microsegmentation, and built-in audit and remediation reduce the burden of maintaining security.

Low operational costs: Nutanix AHV is included with the Nutanix Cloud Platform, eliminating the additional licensing costs that come with other virtualization solutions and reducing the total cost of ownership.

Exceptional performance: Nutanix AHV not only streamlines operations but is tuned to deliver optimal application performance for the most demanding enterprise applications.

Storage Area Network (SAN) Level Data Services

Snapshots: Unlike other HCI snapshots, Nutanix snapshots do not affect the latency or performance of workload.

Replication: Nutanix delivers asynchronous, synchronous, near synchronous, and metro availability for full disaster recovery.

Resiliency: Disk failures are handled fast and the Nutanix self-healing architecture keeps workloads running.

Red Hat certification: Certification of the Nutanix AHV for Red Hat Enterprise Linux offers enterprise customers a simplified full stack solution for their performance enterprise applications.



Performance: Nutanix HCI delivers real database performance with 500K IOPs with consistent 1-millisecond response times.

Open-source with more choice: Nutanix offers a choice of hardware, hypervisor and cloud along with the Red Hat's leading open-source solutions.

Red Hat Enterprise Linux

Red Hat Enterprise Linux is the world's leading enterprise Linux platform. It is certified on hundreds of clouds and provides a consistent foundation across environments. It has the tools needed to deliver services and workloads faster for any application, reducing deployment friction and costs while speeding time to value for critical workloads, and enabling development and operations teams to innovate together.



Benefits of Red Hat Enterprise Linux

Platform optimization: Optimized for enterprise applications and critical databases, Red Hat Enterprise Linux provides a consistent foundation from which you can scale existing applications and roll out emerging technologies.

Easy deployment: Red Hat Enterprise Linux ensures consistency across environments to help you deploy applications, workloads and services across your hybrid cloud infrastructure faster with less effort. Requires a single subscription and install repository.

Secure: Red Hat Enterprise Linux delivers a flexible, service-centric environment on an intelligent, stable, security-focused foundation for modern operations. This improves security of the full application lifecycle.

Modern foundation: Advanced, innovative container infrastructure and tools ensure faster delivery of services and workloads for any application, reducing deployment friction and costs while speeding time-to-value for critical workloads.

Find out more about Red Hat Enterprise Linux on Nutanix

- [Red Hat: Nutanix partner page](#)
- [Nutanix: Red Hat partner page](#)
- [Nutanix AHV virtualization](#)



T. 855.NUTANIX (855.688.2649) | F. 408.916.4039
info@nutanix.com | www.nutanix.com | [@nutanix](https://twitter.com/nutanix)

©2022 Nutanix, Inc. All rights reserved. Nutanix, the Nutanix logo and all product and service names mentioned herein are registered trademarks or trademarks of Nutanix, Inc. 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).