



# Build a Best-in-class Hybrid Multicloud Stack with Red Hat and Nutanix

Nutanix and Red Hat have partnered to provide a best-in-class hybrid multicloud experience with a jointly-supported solution featuring certified components.

As organizations seek to go ‘cloud native’ and build and deploy containerized applications at scale, they run into big challenges with building a hybrid cloud-ready Kubernetes stack on-premises that puts business agility and speed-to-market gains out of reach.

The vast majority of cloud native infrastructure solutions don’t offer the scalability and resilience that enterprise Kubernetes demands, nor do they seamlessly integrate key infrastructure layers or simplify lifecycle management and developer tooling.

Given the complex challenges involved with operationalizing an enterprise Kubernetes environment, cloud native enterprises demand best-in-class infrastructure solutions that are vendor-certified and jointly supported.

“We are thrilled to see two of our technology partners announce this strategic relationship. As we manage the complexities of hybrid cloud, we believe this relationship will unlock new hosting and deployment options for VM and container-based workloads. These new options will support our goals of being fast, efficient and friction-free as we deliver new experiences to our customers.”

– Ritch Houdek, senior vice president, Technology, Kohl’s

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## ENTERPRISE FULL-STACK KUBERNETES WITH RED HAT OPENSHIFT AND THE NUTANIX CLOUD PLATFORM

Nutanix and Red Hat’s strategic partnership offers enterprise customers a best-in-class solution for building, scaling, and managing cloud native applications on-premises and in a hybrid cloud.

This certified and jointly-supported solution features Red Hat OpenShift-- the leading enterprise DevOps and container management platform-- powered by the Nutanix Cloud Platform, which seamlessly integrates Nutanix, an industry-leading hyperconverged infrastructure (HCI), Red Hat Enterprise Linux (RHEL)-certified AHV hypervisor, and feature-rich data services.

Red Hat OpenShift on the Nutanix Hybrid Multicloud Platform provides a resilient and scalable infrastructure and a cloud native application platform, enabling organizations to deliver innovative solutions, drive competitive advantage, and meet customer expectations.

## CUSTOMER BENEFITS

- **Best-in-class infrastructure stack for enterprise virtual and cloud native applications**

The certification of AHV for Red Hat Enterprise Linux (RHEL) and Red Hat OpenShift offers enterprise customers a simplified full stack solution, from hyperconverged infrastructure to a cloud native application platform, to help meet the needs of various workloads and use cases.

- **Driving combined innovation for today and the future**

Organizations will benefit from joint roadmap planning and delivery across both Red Hat and Nutanix, ensuring the delivery of new capabilities that provide business value.

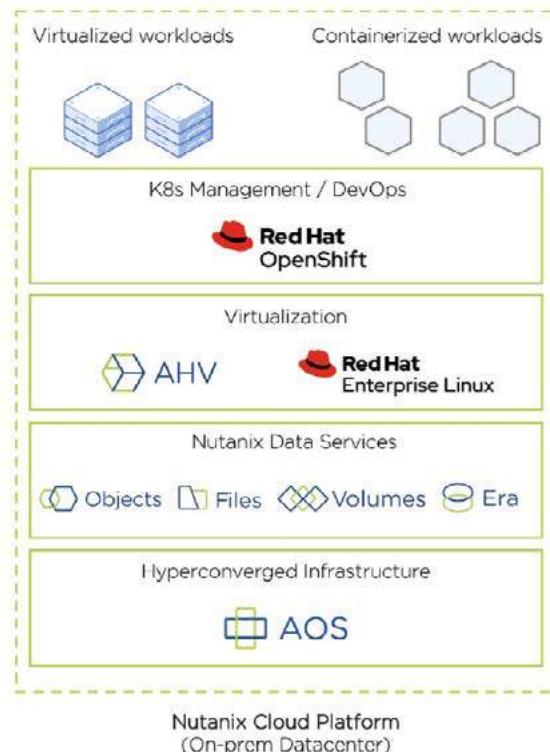
- **Reduced risk through combined support**

Customers in need of technical support will benefit from the combined expertise of the Red Hat and Nutanix global support teams.

"The insurance industry is in the midst of a transformation to rapidly adapt to customers' demands. We protect 39 million lives around the world with our products and services. As we work to modernize our IT infrastructure to support a seamless digital experience for our customers and employees, Nutanix and Red Hat help simplify our technology stack and advance our cloud transformation."

- Gautam Roy, chief technology officer, Unum

Source: <https://www.redhat.com/en/about/press-releases/red-hat-and-nutanix-announce-strategic-partnership-deliver-open-hybrid-multicloud-solutions>



## NUTANIX CLOUD PLATFORM: IDEAL INFRASTRUCTURE FOR CLOUD NATIVE ENVIRONMENTS

Based on the industry-leading hyperconverged infrastructure (HCI) that Nutanix pioneered, the Nutanix Cloud Platform is the ideal infrastructure choice for Kubernetes and enterprise hybrid cloud platforms like Red Hat OpenShift. Nutanix HCI is built to handle the changing demands of web-scale containerized applications. Performance and capacity scale linearly-- without limit-- making it the ideal infrastructure for supporting enterprise cloud native workloads. HCI is resilient from the ground up; nodes are self-healing and upgrade non-disruptively.

The Nutanix Cloud Platform also integrates a complete set of data services to handle the demands of stateful virtualized and containerized applications. Nutanix's full-featured Container Storage Interface (CSI) deploys with every Kubernetes cluster and natively integrates with Nutanix Files (simple, flexible and intelligent scale-out file storage) and Nutanix Volumes (block storage with built-in space efficiency). In addition, Nutanix Objects provides a simple, scalable, and secure S3-compatible storage tier for workloads requiring object storage.

For configuring and managing enterprise applications requiring databases, Nutanix Era offers administrators a simple and effective means of deploying highly available databases and managing them via a single control plane across public, private, and hybrid cloud deployments. Databases can be run in VMs and easily consumed by workloads running on Red Hat OpenShift.

The Nutanix Cloud Platform is a benchmark for simplicity that enables customers to streamline their Day-1 and Day-2 operations and easily support tier-1 enterprise workloads at scale and serve the resources and services needs of software developers.

## Nutanix Cloud Platform: Delivering Excellent Business Outcomes

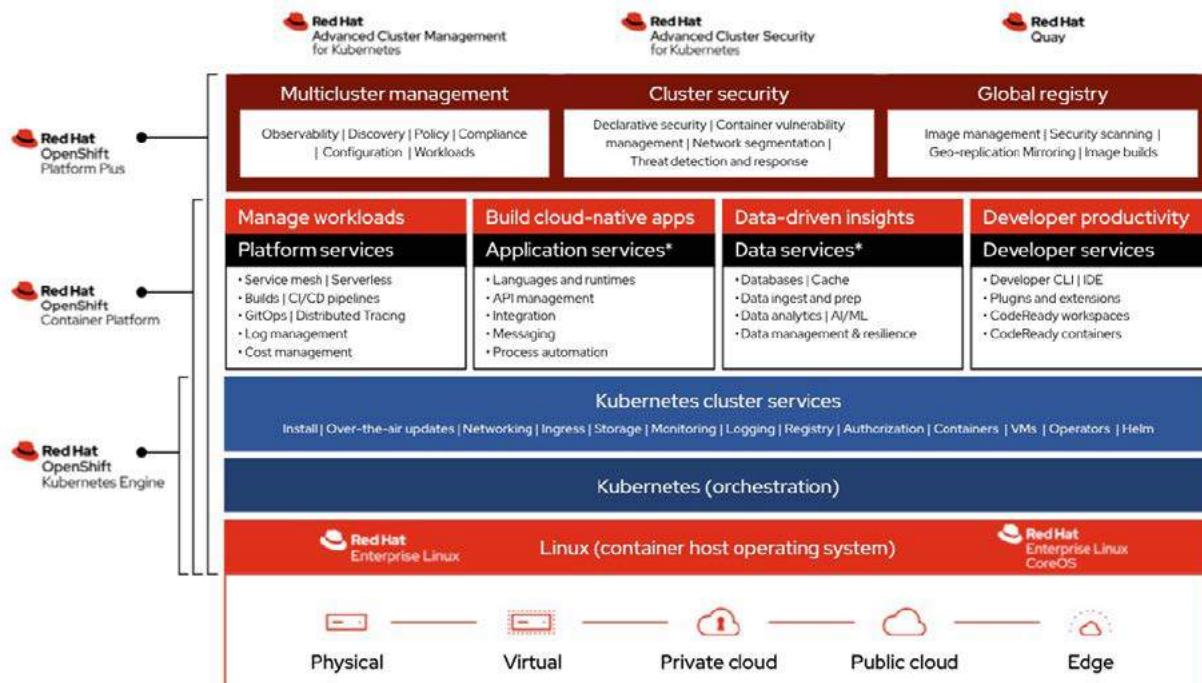
- 62% Lower Five-Year TCO
- 85% Less Unplanned Downtime
- 477% Five-Year ROI

Source: IDC White Paper, sponsored by Nutanix, Organizations Leverage Nutanix Enterprise Cloud as Scalable, High-Performing, and Cost-Effective Infrastructure Foundation, January 2020

## RED HAT OPENSHIFT: INDUSTRY-LEADING HYBRID CLOUD PLATFORM

Red Hat OpenShift gives organizations a single platform for application innovation that lets them operate consistently and innovate continuously. It supports every application and can span every cloud so that organizations can be ready for today and build for the future.

Red Hat OpenShift includes Red Hat Enterprise Linux operating system, over-the-air updates, container runtime, networking, ingress, monitoring, logging, container registry, and authentication and authorization solutions. These components are tested together for unified operations on a complete Kubernetes platform spanning every cloud.



As the preferred choice for enterprise full-stack Kubernetes solution on the Nutanix Cloud Platform, Red Hat OpenShift supports a diverse set of workloads across the hybrid cloud. Whether it be modernizing existing applications, building new cloud native applications, integrating data analytics and AI/ML, or using software from independent software vendors (ISVs), Red Hat OpenShift provides the flexibility to choose the applications that make the most sense for the business.

With Red Hat OpenShift on the Nutanix Cloud Platform, IT Operations teams can now focus on managing and supporting new cloud native applications and modernizing existing workloads to add more value to the business, rather than managing the complex underlying infrastructure.

## ABOUT RED HAT, INC.

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

## ABOUT NUTANIX

Nutanix is a global leader in cloud software and a pioneer in hyperconverged infrastructure solutions, making clouds invisible, freeing customers to focus on their business outcomes. Organizations around the world use Nutanix software to leverage a single platform to manage any app at any location for their hybrid multicloud environments. Learn more at [www.nutanix.com](http://www.nutanix.com) or follow us on social media [@nutanix](#):

## Red Hat OpenShift: A Platform for Innovation

- Accelerate application development by 33%
- Achieve 636% return on investment (ROI) over 5 years
- Deliver close to 3 times more features to customers
- Improve DevOps and development team productivity by 20%

Source: IDC Business Value White Paper, sponsored by Red Hat. "[The Business Value of Red Hat OpenShift](#)." Document #US47539121, Mar. 2021.

## SIMPLE, RELIABLE INSTALLATION

Today, customers can install Red Hat OpenShift on Nutanix Cloud Platform using the [agnostic installer](#) that enables customers to take advantage of all features included in Red Hat OpenShift, from networking and over-the-air updates to Service Mesh and Serverless capabilities simplifying installations and accelerate time to value.

## FULLY-CERTIFIED AND JOINTLY SUPPORTED

As a Red Hat certified hypervisor, Nutanix AHV offers a simplified full stack solution for containerized and virtualized cloud-native applications. Red Hat and Nutanix offer fully joint support to deliver a more seamless experience and interoperability of Red Hat Enterprise Linux and Red Hat OpenShift on Nutanix Cloud Platform. This certification provides customers with a resilient and scalable data infrastructure, as many organizations seek innovative and modern virtualization technologies.

## LEARN MORE

Together, Red Hat and Nutanix help organizations along their hybrid multicloud journeys to more easily build, scale, and manage virtualized and cloud native applications. To find out more, visit [www.redhat.com/openshift](http://www.redhat.com/openshift) and [www.nutanix.com](http://www.nutanix.com).

- Take a test drive of Nutanix HCI today! Get started at <https://www.nutanix.com/one-platform>
- Want to try Red Hat OpenShift? Visit [www.openshift.com/try](http://www.openshift.com/try)



Red Hat

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