FROM VMs TO CONTAINERS—RUN YOUR WORK, YOUR WAY

Running VMs and containers together on a single platform simplifies operations and complexity

As enterprises have adopted cloud native architectures, many have deployed new and separate infrastructure—both in the cloud and on-premises—while continuing to operate virtualized infrastructure to support traditional VM-based business applications.

Unfortunately, managing separate environments for VMs and containers can lead to operational complexity and hinder agility. Siloed environments can limit Kubernetes from leveraging virtualization benefits such as increased resource utilization, oversubscription, and simplified operations. By paying attention to a few key pillars of success, you can consolidate VM-based and containerized workloads on a single, future-ready platform.



Unifying VMs and Containers

Several platforms exist that enable you to consolidate VMs and containers, but they aren't all created equal. Here are the key capabilities enterprises look for:

Management & Monitoring

- Mature, enterprise-grade virtualization.
- Unified tools to manage and monitor VMs and containers.

Integrated tools result in more unified operations

Data Services

- Block, file, and object storage to support VMs and containers.
- Enterprise-level resiliency, data protection, data services, and disaster recovery features for both environments.

Relying on external data storage systems and services makes your environment complex

Security

Security that spans VM and container environments, including authentication, role-based access, and auditing.

Unified security for VMs and containers makes your operations secure

Kubernetes® Support

- Support for upstream
 Kubernetes with an open and complete platform.
- Ability to deploy in datacenter, edge and cloud environments.

The right unified platform should enable flexibility and choice

Eliminate silos and simplify operations with a unified platform that supports both traditional and cloud native applications with the performance, resilience, and scale you need.

Benefits: VM + Container Consolidation

Eliminate Silos

Optimize Staffing Needs

Simplify Operations

Maximize Resource Utilization

Unify Security

Nutanix Unifies VMs and Containers with Enterprise-Grade Features

Nutanix provides a powerful platform to run applications and manage data across datacenter, edge, and cloud. By combining mature, enterprise-grade virtualization with an open, complete stack for your Kubernetes environment, Nutanix helps eliminate silos and simplify operations. Our unified platform supports traditional and cloud native applications on an equal footing with:

Full-stack operations: A single platform for Kubernetes, VMs, storage, networking, and security streamlines management and standardizes your operations across hybrid, multicloud, bare metal, and edge environments.

Integrated platform experience: Native integrations across the Nutanix product ecosystem unify your VMs and containers on an equal footing.

Centralized governance: Apply consistent policies for data protection, security, and resource management across traditional and containerized workloads.

Nutanix is the ideal solution for IT leaders seeking to address complexity and future-proof edge, datacenter, and cloud environments.

traditional and containerized workloads.

To learn how Nutanix can unify traditional and containerized workloads and streamline your hybrid multicloud operations, visit

www.nutanix.com/solutions/cloud-native

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