Streamline VMware to Nutanix Workload Migration with F5 BIG-IP

Successfully migrate apps and APIs from VMware to Nutanix while ensuring application availability and security with F5® BIG-IP®. This integration streamlines workload management, reduces complexity, and accelerates the migration process.

Key Benefits

Consistent Application Availability
Keep apps available and secure throughout the migration process to improve user experience.

Accelerated Migrations
Support application workloads, address security and performance concerns, and maintain IP addresses during the migration process to significantly reduce time to value.

Certified and Production Ready
Leverage tested, validated, certified, and production-ready BIG-IP to migrate application workloads in complex, hybrid environments at enterprise scale.

App Protection at Scale
Defend against common and advanced app and API attack vectors for migrations of a single app or 1000.

Organizations Are Moving Beyond VMware

Customers are migrating from VMware to platforms like Nutanix due to significant market disruption. The Broadcom acquisition has triggered substantial price increases across VMware's product portfolio, alongside mandatory long-term contracts and a shrinking partner ecosystem. These changes have resulted in higher costs and greater complexity, frustrating customers and prompting them to seek out new solutions.

Nutanix is often chosen as an alternative due to its transparent, cost-effective licensing model that eliminates complex VMware licensing structures. Its hyper-converged infrastructure brings together storage, compute, and networking in one simplified platform, cutting operational complexity while boosting efficiency. With robust multicloud capabilities, Nutanix makes it easy to migrate and manage workloads across both public and private environments. This combination of flexibility and integrated security makes Nutanix particularly appealing for organizations working to modernize their IT infrastructure and reduce their reliance on VMware.

Challenges to App Migration

Migrating from VMware to alternative virtualization platforms presents several challenges that must be addressed for a smooth transition. First is application compatibility and portability, as many enterprises have deeply integrated VMware into their IT ecosystems, creating dependencies on VMware's hypervisor technology, software-defined datacenter platform, and management tools. Technical obstacles also create migration complexity, including software certifications and integration with storage, server, networking, backup, disaster recovery, and monitoring solutions.

Gartner estimates that enterprise-level workload migrations from VMware can take up to nine months.[1] Organizations must carefully plan, execute, and oversee the migration to avoid costly failures, service disruptions, and security vulnerabilities. But they also want ways to shorten the process.

Simplify and Accelerate Virtualization Migration

Leveraging BIG-IP greatly reduces the challenges of migrating from VMware to Nutanix by providing visibility into the application layer, reducing the risk of downtime or performance issues, and ensuring a smooth and secure migration to Nutanix Acropolis Hypervisor (AHV) or Nutanix Cloud Clusters (NC2) platform. It improves the overall migration experience, keeping apps and APIs available and performant throughout the process.

BIG-IP provides advanced security features to protect against threats like SQL injections, credential stuffing, automated scraping, behavioral denial-of-service (DoS) attacks, and cross-site scripting to fortify the migration process, delivering a secure and resilient transition.

Key Features

Advanced Application Security
Protect apps during migration with comprehensive security against SQL injections, credential stuffing, automated scraping, behavioral DoS attacks, and cross-site scripting.

Intelligent Traffic Management
Maintain continuous application availability with load balancing, DNS services, and traffic management capabilities that optimize performance.

Seamless Integration
Create a bridge between VMware and Nutanix, simplifying migrations while maintaining application functionality and network configurations.

Automated Orchestration
Streamline migration workflows with BIG-IP automation frameworks to reduce manual processes and enable faster, more reliable transitions with minimal disruption.
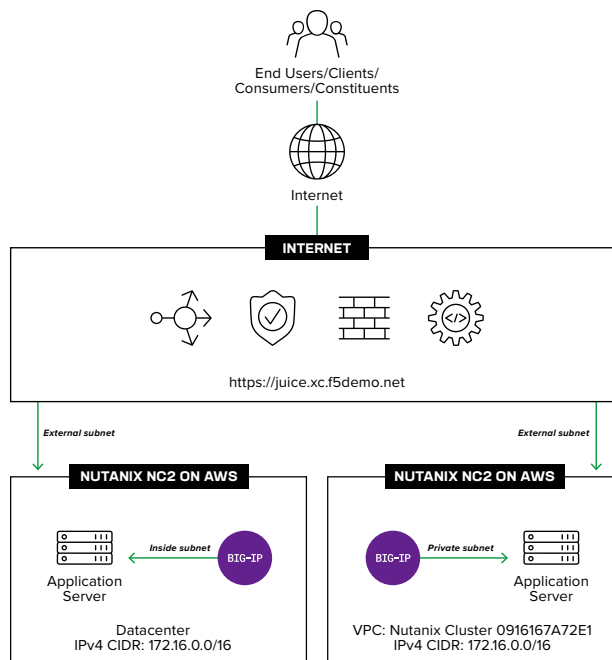

Figure 1: Use BIG-IP with Nutanix to streamline migrations.

Load balancing, DNS, and traffic management in BIG-IP optimize application delivery, ensuring high availability, resiliency, and performance of apps hosted on Nutanix AHV or NC2. BIG-IP and Nutanix AHV offer a stable, secure, and efficient application environment, supporting high availability and disaster recovery while integrating with Nutanix's automation tools for streamlined management.

Migrate Successfully with F5

Moving from VMware to Nutanix presents technical challenges that BIG-IP helps address. While the migration process can be complex, traffic management, security controls, and automation capabilities in BIG-IP work alongside Nutanix's hyperconverged infrastructure to simplify workload transfers and reduce transition time.

The combination of F5 and Nutanix maintains application availability and security to ensure workloads run efficiently for a successful migration.

Learn more at f5.com/partners/technology-alliances/nutanix.

1. Gartner, Quick Answer: What Would Be Required for a Large-Scale Migration From VMware's Server Virtualization Platform?, Jan 2023