

Five Ways Nutanix Makes Your IT Operations Future-Ready

With the accelerating pace of technological change and the growing importance of artificial intelligence (AI), it's vital for your IT infrastructure to support:

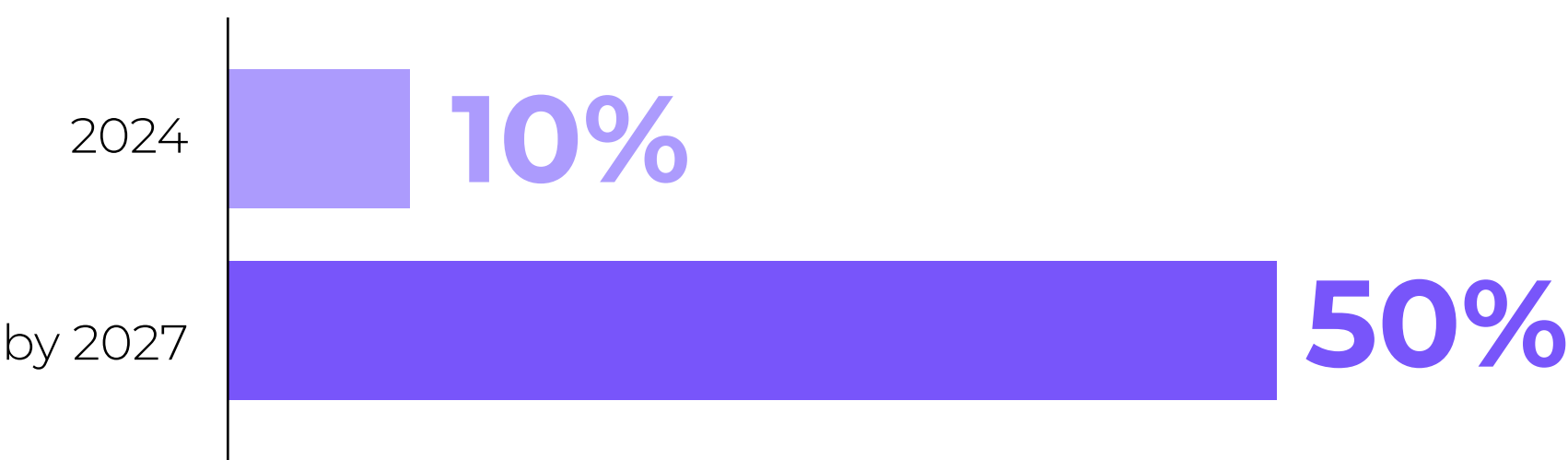
- Hybrid multicloud operations
- Kubernetes® and cloud-native applications
- The latest GenAI and AI advancements

Here are five reasons to choose Nutanix to make your infrastructure future-ready.

Reason 1 Reduce VMware Risk

“By 2027, 50% of enterprises will initiate proofs of concept for alternative distributed hybrid infrastructure (DHI) products to replace their VMware-based deployments and embrace hybrid cloud infrastructure delivery, up from 10% in 2024.”

Source: Gartner, CIO's Guide to Distributed Hybrid Infrastructure for Cloud Services Anywhere, 9 Jan 2025, Julia Palmer, Tony Harvey, and Mike Ciesek



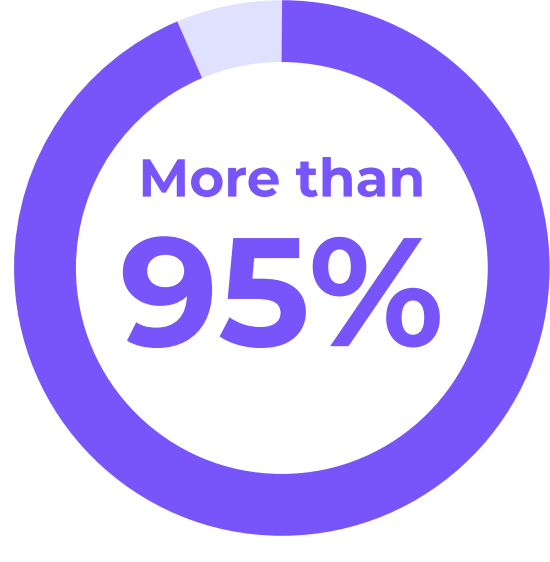
The acquisition of VMware by Broadcom continues to create IT turmoil and potential risk for customers. Enterprises are exploring alternate strategies—including revirtualization, devirtualization and modernization—to take the place of VMware.

How Nutanix Helps

Nutanix offers a full-featured, flexible alternative to VMware. Take control of your IT strategy with a scalable future-ready platform.

The [Nutanix Cloud Platform](#) (NCP) solution reduces potential VMware risk today and prepares your IT operations for the future.

Reason 3 Achieve VM and Container Convergence



of organizations will be running containerized applications by 2029



of organizations report that at least some of their applications are now containerized

“By 2029, more than 95% of global organizations will be running containerized applications in production.”

Source: Gartner, How to Run Containers and Kubernetes in Production, Stephanie Bauman, Arun Chandrasekaran, 18 April 2024

Containers were once primarily used for experimenting with stateless applications in the cloud. Today, more organizations are running stateful containerized applications in production in on-premises datacenters and to support AI-powered applications.

According to the [Nutanix 2025 Enterprise Cloud Index](#), nearly **90%** of organizations report that at least some of their applications are now containerized, and this number is expected to grow with the rapid adoption of new application workloads like GenAI.

To support this shift, IT needs consistent container management across environments and modern data storage services to facilitate running containers alongside VMs. Meeting these demands with legacy infrastructure remains a big challenge.

How Nutanix Helps

Nutanix helps you innovate faster with a complete and open, enterprise-ready cloud-native stack.

The [Nutanix Kubernetes Platform](#) (NKP) solution streamlines the management of Kubernetes clusters across on-premises, hybrid and multicloud environments while the [Nutanix Data Services for Kubernetes](#) (NDK) platform complements NKP with indispensable enterprise-class data services.

With Nutanix, you can run VMs and containers on the same platform, reducing complexity and simplifying management without compromising your operations.

Nutanix simplifies the transition from VMs to containers.

Kubernetes: the Nutanix Way

Simple

Secure by Design

Open and Extensible

Multicloud by Design

Reason 5 Increase Cloud Leverage

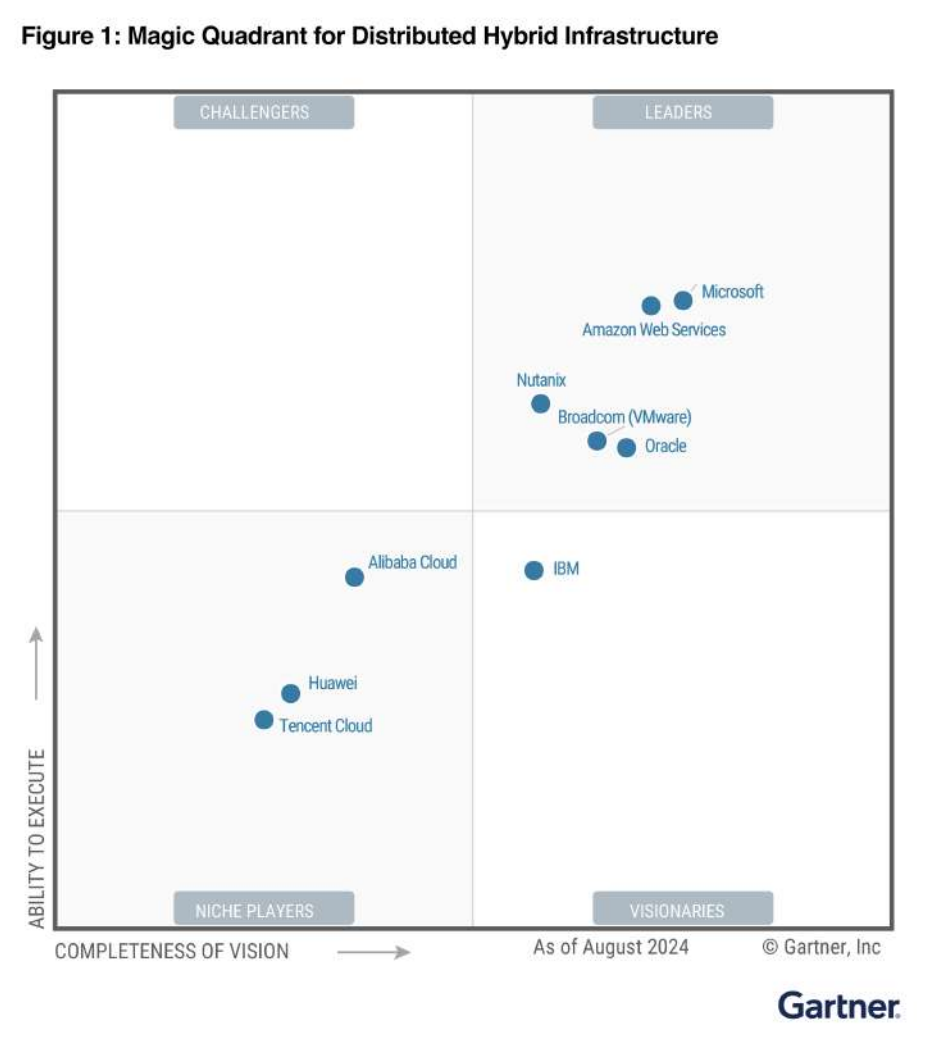
For most enterprises, public cloud and datacenter environments still operate as independent silos—with separate teams, high costs and limited flexibility.

You need the flexibility to run and extend your applications across on-premises, clouds and edge locations.

How Nutanix Helps

The Nutanix Cloud Clusters (NC2) platform uses the same software, tools and management capabilities in AWS and Azure clouds as on-premises. So wherever you run Nutanix—in the datacenter, cloud, edge or any combination of the three—you can move apps and data easily across environments with consistent governance and security.

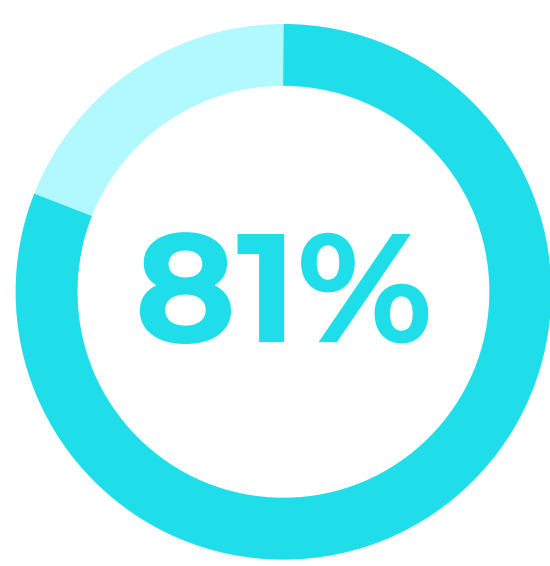
It was no surprise, then, that [Nutanix was named a leader](#) in the 2024 Gartner® Magic Quadrant™ for Distributed Hybrid Infrastructure.



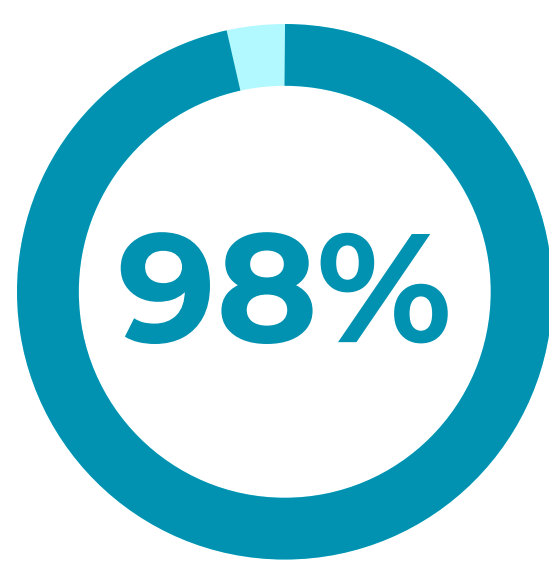
Source: Gartner, Magic Quadrant for Distributed Hybrid Infrastructure, 7 October 2024, Julia Palmer, Jeffrey Hewitt, Tony Harvey, Dennis Smith, Stephanie Bauman, Kevin Ji

By unifying previously siloed operating environments, Nutanix makes your operations more flexible, more efficient—and more future-ready.

Reason 2 Modernize Infrastructure



of survey respondents feel their current IT infrastructure will need improvement



of survey respondents are facing challenges scaling GenAI workloads

According to the [Nutanix 2025 Enterprise Cloud Index](#) report, **81%** of IT, DevOps and platform engineering decision-makers surveyed feel their current IT infrastructure will need improvement to fully support cloud-native applications and containers. Almost all (**98%**) are facing challenges scaling GenAI workloads, with the top challenge being integration with existing IT infrastructure.

Additionally, modernizing IT Infrastructure was the primary focus for investments this year. Case in point, legacy three-tier systems are complex to manage and maintain and slow to adapt to changing needs.

How Nutanix Helps

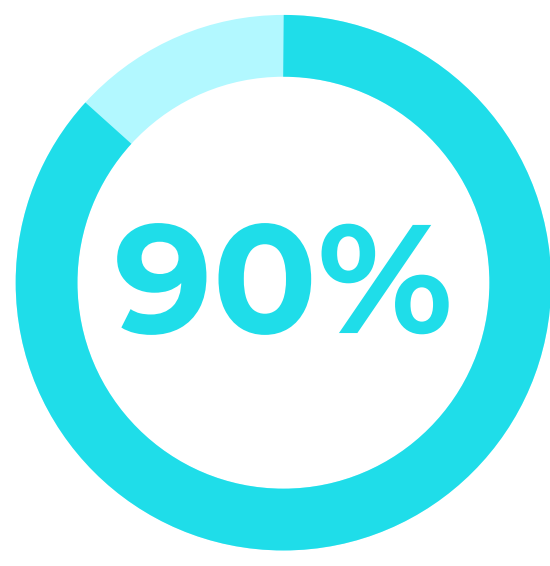
NCP enables you to:

- simplify and modernize your infrastructure while unifying operations, including management of VMs and containers from a single control plane
- accelerate app development and deployment to make your organization more agile, innovative and efficient

Modernizing your infrastructure with NCP creates a solid foundation for what comes next.

Reason 4 Become AI-Ready

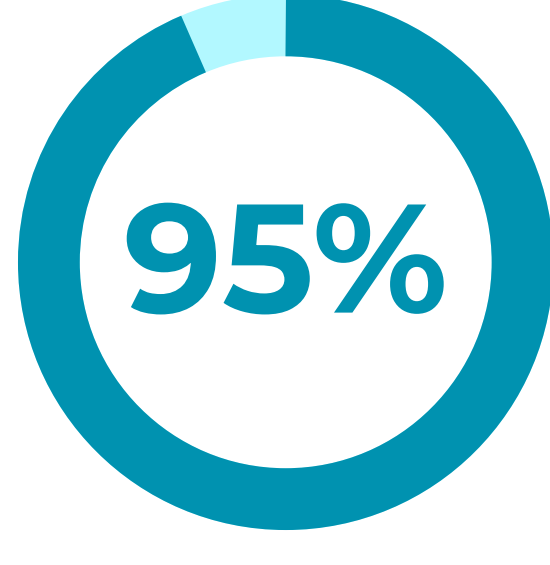
According to the [7th Annual Nutanix Cloud Index Report](#):



of survey respondents expect their IT costs to rise due to GenAI implementation



of survey respondents expect to see ROI from GenAI over the next 2-3 years



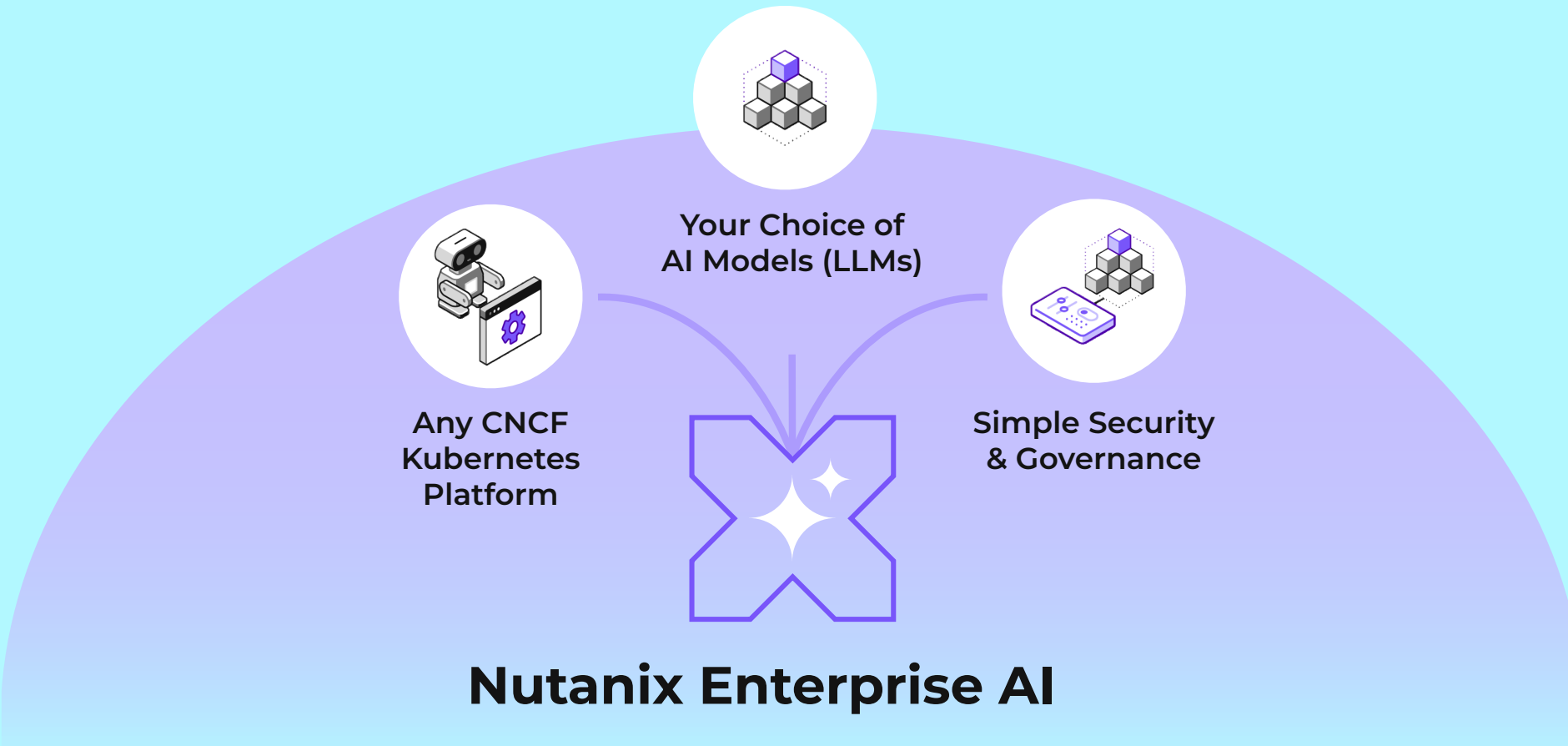
of survey respondents agree that GenAI is changing their organization's priorities

AI is here and it's going to change the way your business operates in countless ways. But how do you take the latest GenAI models and bring them to an infrastructure that your team knows how to run?

How Nutanix Helps

In the 2025 ECI survey, more than 90% agreed that [having a single platform to run all applications across datacenters, clouds and the edge](#) would be valuable for GenAI initiatives. The [Nutanix Enterprise AI](#) solution delivers the capabilities you need to run AI on the platform of your choice, while making AI apps easier to develop, deploy, and operate.

Nutanix Enterprise AI runs on any CNCF-certified Kubernetes distribution, simplifying deployment and providing AI portability across datacenter, cloud and edge.



Nutanix prepares your enterprise for the future by solving VMware challenges, modernizing infrastructure, simplifying the path to containers, laying the foundation for AI success, and increasing cloud leverage.

NCP is the only enterprise infrastructure solution you need to create a hybrid multicloud operating environment that is future-ready.

[Read the eBook to Learn More](#)