

Cloud Native for the AI-Powered, Innovation-Ready Enterprise: A C-Suite Guide

Executive Summary

In today's digital-first economy, enterprises are under immense pressure to innovate faster, deliver superior customer experiences and operate with greater efficiency. Cloud-native technologies have emerged as a foundational enabler of these goals.

By leveraging containers, microservices, Kubernetes®, and DevOps practices, organizations can build and run scalable applications in dynamic environments such as public, private and hybrid clouds.

Strategic Importance of Cloud Native

Cloud native is not just a technology trend – it is a strategic imperative. Enterprises adopting cloud-native architectures gain the agility to respond to market changes, launch new services quickly and scale operations efficiently.

Industry Use Cases

The rise of digital-native competitors and shifting customer expectations are accelerating cloud-native adoption across industries as enterprises are modernizing IT infrastructure to stay competitive. Industry use cases include:



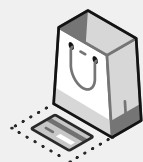
Healthcare:

AI-driven diagnostics, secure data sharing and better patient engagement.



Manufacturing:

Predictive maintenance and smart factory automation.



Retail:

Omnichannel engagement and dynamic inventory management



Financial services:

Real-time fraud detection, personalized banking and compliance.

What Should Executives Consider When Deploying Cloud Native?

Executives must approach cloud-native deployment with a strategic mindset to ensure long-term success and business value. Key considerations include:

- **Business alignment:** Verify cloud-native initiatives are aligned with overarching business goals and digital transformation strategies.
- **Talent and skills:** Assess internal capabilities and invest in upskilling teams or partnering with experts to manage cloud-native technologies effectively.
- **Operational readiness:** Evaluate existing infrastructure and operational models to support containerized workloads, automation and DevOps practices.
- **Change management:** Foster a culture of innovation and agility while managing organizational change and stakeholder expectations.

Nutanix Cloud-Native Solution Overview

Nutanix delivers a complete, open and enterprise-grade cloud-native platform that accelerates application delivery and standardizes Kubernetes management across on-premises, cloud and edge environments.

The strength of Nutanix lies in delivering a single unifying platform for all workloads – traditional and containerized – with integrated enterprise-grade data services, centralized governance, security, and operational resilience.

- **Full-stack platform** with robust tools to deploy and run containerized applications in production with access to a full catalog of validated CNCF projects.
- **Built on pure upstream Kubernetes** so no proprietary APIs that can result in lock-in.
- **Simplify infrastructure lifecycle management** to scale operations confidently while maintaining control and efficiency.
- **Enterprise-grade storage**, backup and disaster recovery integrated into the platform for stateful containerized workloads.
- **A single unified platform** to manage VMs and containers with centralized governance, policy enforcement and cost visibility.
- **Standardize Kubernetes environments** across cloud, on-premises and edge deployments to enable consistent operations at scale.
- **Fast time-to-value** via pre-validated solutions and automation to minimize complexity and speed-up innovation cycles.

Embrace Cloud Native with Nutanix

Now is the time to modernize your infrastructure and unlock the full potential of cloud-native technologies.

Take the next step in your cloud-native journey by visiting nutanix.com/solutions/cloud-native and discover how Nutanix can help you build a future-ready enterprise.

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