A Private Cloud that Does More for Your Business

Modern Infrastructure Delivers a Private Cloud that's Agile, Secure and Cost Effective

The right private cloud infrastructure provides enhanced control, security and compliance for sensitive data. Private clouds are essential to ensure data privacy and data sovereignty, especially in highly regulated industries such as financial services and healthcare.

However, enterprises face significant challenges when deploying private cloud infrastructure due to high upfront costs, the complexity of integrating legacy infrastructure solutions, and the necessity of maintaining strict security and robust business continuity.

A private cloud built on Nutanix makes your operations more agile, secure and cost-effective. According to a recent report from IDC, a private cloud built on Nutanix reduces infrastructure costs by **41%** and pays for itself in just seven months.

Furthermore, Nutanix reduces unplanned downtime by **77%** while enabling each IT team member to easily manage up to **90%** more VMs and developers to be **40%** more productive. Nutanix addresses your business needs today and ensures your private cloud infrastructure is future-ready.

Modernize your Private Cloud to Support Traditional, Modern and AI Workloads

In most enterprises, private clouds are architected using legacy infrastructure and only designed to run VMs with separate environments for Kubernetes and AI. A private cloud built on Nutanix modernizes and simplifies your infrastructure with a cloud operating model that supports traditional, cloud native and AI workloads. The result is a single, unified infrastructure that's easy to manage and reduces costs.

With Nutanix, you can run VMs in a fast, efficient hyperconverged environment using Nutanix AHV hypervisor or VMware. Nutanix Unified Storage (NUS) provides integrated block, file and object data services while Nutanix Database Service (NDB) simplifies critical database operations.

The Nutanix Kubernetes Platform (NKP) enables your private cloud to also run containers. This simplifies platform engineering by reducing operational complexity and provides consistency for containerized applications across datacenter, edge and cloud.

By enabling your AI workloads to run alongside other cloud native and traditional workloads, Nutanix accelerates AI adoption. Deploy AI at scale while ensuring your data remains secure. Nutanix Enterprise AI accelerates the adoption of the latest GenAI apps and agents.

Key Benefits

- Increase agility – Simplify resource access with a one-click cloud operating model that supports all traditional and modern workloads, including AI.

- Enhance security and control – Optimize protection with native data encryption, microsegmentation and auditing, plus integration with leading security vendors.

- Reduce TCO – Achieve up to **42%** lower three-year cost of operations.

Accelerate Your Business Operations with Self-Service

Many private cloud solutions lack the unified and full-featured cloud operating model and easy self-service that defines public clouds like AWS and Microsoft Azure. Self-service is an essential feature of private clouds, enabling developers and other users to access the resources they need without delay. Nutanix Cloud Manager (NCM) makes it easy for IT teams to offer full-featured self-service capabilities, including:

- Streamlined provisioning – One-click self-service with centralized role-based IT governance across private and public clouds.
- Application lifecycle management – End-to-end automation of application provisioning, scaling and management.
- Hybrid and multicloud orchestration – Deploy applications with centralized visibility across private and public clouds.

The built-in Nutanix Marketplace streamlines user access. Blueprints enable self-service deployment of applications and other services.

Protect Your Applications and Data with Ease

A private cloud built on Nutanix makes it easier to protect your data against cyberattacks and other threats. Our hardened platform includes native data encryption, microsegmentation and comprehensive auditing for compliance.

Full integration with solutions from the leading security vendors ensures that the Nutanix infrastructure integrates seamlessly into your existing operations. Additionally, built-in capabilities for data protection and disaster recovery make it simpler to protect business continuity and the ensure the fastest possible recovery.

Conclusion

Nutanix takes the pain out of deploying and operating a private cloud and delivers a modern, future-proof infrastructure and advanced capabilities your business needs to succeed. Join thousands of leading organizations that rely on Nutanix for private cloud infrastructure.

Learn more at www.nutanix.com/solutions/private-cloud.

> " Some companies would turn to the cloud to fix problems like ours, but the need to minimize latency and points of failure means that we had to be on-premises. With a small support team facing an ever-growing backlog of tasks, we needed a solution that was less complex and easier to manage."

Gerrard Pierce
IT Manager,
Unipart Manufacturing Group

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