Nutanix Cloud Clusters

Accelerate your Cloud Journey and Optimize Workloads while Reducing Risk

"It's been win-win all the way with Nutanix. Starting with the on-demand scalability and easy management needed to setup a newly devolved agency without worrying about capacity or skillsets. And now, with NC2, we'll be able to migrate the whole datacenter to Microsoft Azure without the time, effort and expense of re-engineering applications for native deployment."

– Nick Mahlitz Senior Digital Infrastructure Manager, Forestry and Land Scotland

Nutanix Cloud Clusters (NC2) enables customers to quickly migrate apps and data across the clouds of their choice and modernize with Nutanix services and native cloud services. You can also manage your entire infrastructure across datacenters, edge locations and multiple public clouds as one unified cloud to simplify operations and increase cloud efficiency.

Through a common user interface (UI), NC2 simplifies hybrid and multicloud operations, automates VMs and containers, and delivers unified networking and security across all cloud environments. This enables IT to leverage their skills universally, regardless of infrastructure location. NC2 also provides the same level of resilience, intelligent operations, lifecycle management, and security that Nutanix is widely known for.

Key Benefits

- **Faster time to value:** Accelerate cloud and digital transformation initiatives so you can start benefiting from them as quickly as possible.

- **App mobility:** Quickly migrate applications to public clouds without refactoring, re-architecting or relicensing software.

- **Cloud-native integration:** Gain direct access to the cloud-native services and features of AWS, Microsoft Azure and Google Cloud.

- **Integrated visibility and control:** Use one unified management control plane to see, manage, move, and secure data and apps across diverse cloud environments.

- **Built-in expertise:** Avoid retooling and reskilling as you make changes to your hybrid multicloud.

- **Dynamic access to IT resources:** Immediately tap into public cloud resources to manage unpredictable or seasonal usage spikes.

Product Advantages

Nutanix simplifies your ability to run, manage and operate apps, data and AI with a hybrid cloud infrastructure optimized for all workloads.

Accelerated deployment

Cut deployment times from 18-24 months to 3-6 months based on feedback from Nutanix customers and research analysts at Enterprise Strategy Group (ESG).

Efficient scaling

Quickly leverage the rapid scale out of a common cloud platform across both on-premises and the public cloud locations.

Consistent management

Use the same interface as the Nutanix Prism management solution to control day-to-day operations, reporting and analytics across all your locations.

Unified policies

Apply consistent security, encryption, replication, deduplication, and business continuity and disaster recovery (BCDR) policies through Nutanix Prism and Nutanix Cloud Manager (NCM) for all locations.

Modernize applications

Enhance workloads at your pace with Kubernetes, database, AI, and other Nutanix services and integrate with native cloud services.

Cost-effective BCDR

Reduce your BCDR solution costs by leveraging the public cloud as a recovery site, which eliminates the like-for-like need for secondary or tertiary on-premises datacenters.

Enhanced cost awareness

Improve visibility into cloud consumption with a heterogeneous cloud cost-governance solution that provides actionable recommendations for cost reduction.

Simplified IT modernization

Leverage your public cloud commitments to simplify IT modernization initiatives without requiring new on-premises infrastructure.

Optimized resource utilization

Reduce microwaste with t-shirt sized cloud-native VMs and enhance cost efficiency by oversubscribing resources across VMs.

What you get with NC2

Accelerate migration and modernization

Quickly migrate apps and data to public cloud more quickly than other methods with minimal risk. Then modernize with Nutanix Kubernetes, database services, and AI, and integrate with native cloud services.

Simplify cloud operations

Experience a consistent UI and operational mechanisms as well as consistent networking and security constructs across all types of clouds.

Increase cloud efficiency

Enjoy consistent automation and lifecycle management for VMs and containers through a unified control plane that boosts operational efficiency. Its capabilities for rightsizing and oversubscribing VMs and containers optimize capacity utilization and reduce cloud costs.
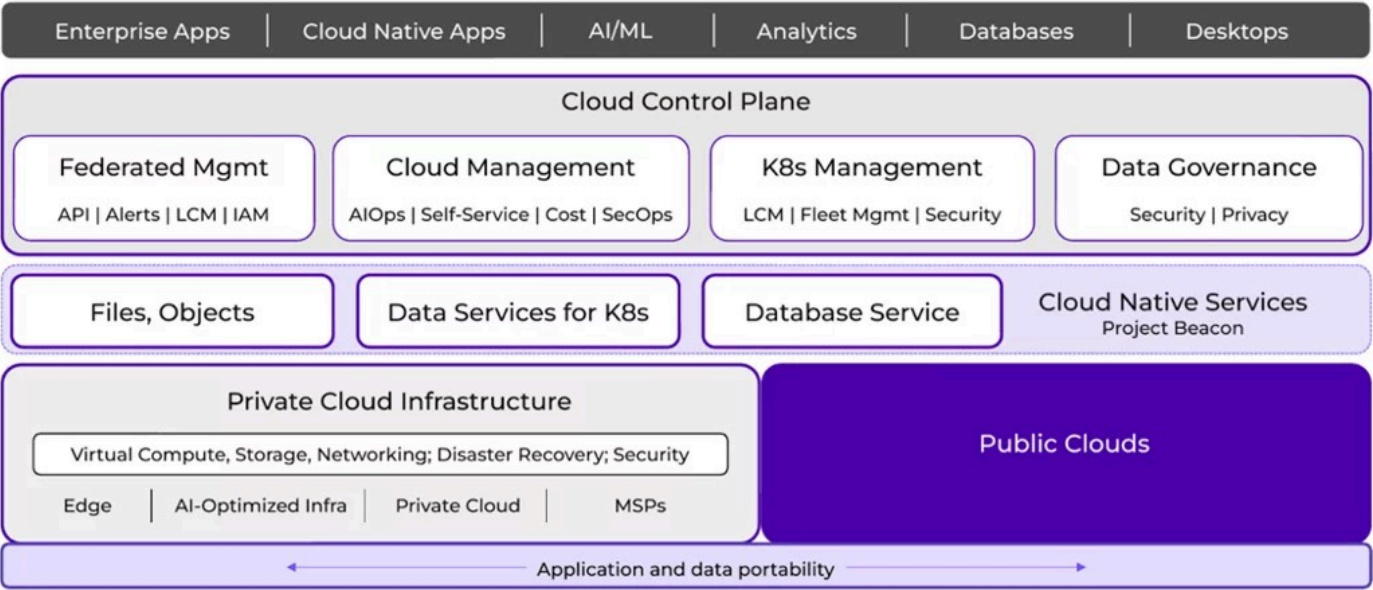
How NC2 Works

As an extension of the Nutanix Cloud Platform (NCP), NC2 replicates the core Nutanix hyperconverged infrastructure (HCI) software used on-premises in public cloud hyperscale environments. This means users benefit from the same virtualized, software-defined advantages in private and public clouds.

With NC2, NCP users can seamlessly move VM-encapsulated applications to the public cloud of their choice without refactoring, re-architecting or developing new skill sets. It's a simple way to take advantage of the strengths of private and public clouds for optimum treatment of each application.

NC2 is natively integrated with leading public cloud hyperscale services. The differences and complexities of these platforms are hidden from IT administrators by an abstraction layer. This layer makes viewing and managing a mix of Nutanix public and private clouds appear as a single, unified cloud while giving IT administrators control over where applications are deployed.

Nutanix Cloud Platform: One Platform for Hybrid Multicloud

Enterprise Apps	Cloud Native Apps	AI/ML	Analytics	Databases	Desktops

Cloud Control Plane

Federated Mgmt
API | Alerts | LCM | IAM

Cloud Management
AIOps | Self-Service | Cost | SecOps

K8s Management
LCM | Fleet Mgmt | Security

Data Governance
Security | Privacy

Files, Objects | Data Services for K8s | Database Service | **Cloud Native Services** Project Beacon

Private Cloud Infrastructure
Virtual Compute, Storage, Networking; Disaster Recovery; Security

Edge | AI-Optimized Infra | Private Cloud | MSPs

Public Clouds

Application and data portability

Resources and Getting Started

NC2 product page
NC2 on AWS
NC2 on Microsoft Azure
NC2 on Google Cloud
NC2 on OVHcloud
Learn more at www.nutanix.com

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