

Nutanix Cloud Clusters (NC2)

Accelerate your cloud journey and optimize workloads while reducing risk.

Organizations can quickly move workloads across the clouds of their choice while managing their entire infrastructure spanning across data centers, edge locations, and multiple public clouds, as a single cloud to improve cloud simplicity and increase cloud efficiency.

Nutanix Cloud Clusters (NC2) delivers a common user interface (UI), operations, and automation for virtual machines (VMs) and containers, along with unified networking and security across all cloud environments. This approach enables IT operators to leverage their skills universally, regardless of infrastructure location. Additionally, NC2 provides the same level of resilience, intelligent operations, lifecycle management, and security that Nutanix is known for.

Product Advantages

Achieve your cloud objectives faster by accelerating the migration of apps and data from on-premises environments to the public cloud.

Accelerated deployment

Cut deployment times from 18-24 months to 3-6 months, based on ESG and customer feedback.

Efficient scaling

Quickly deploy and scale EUC environments by leveraging the rapid scale out of a common cloud platform across both on-premises and the public cloud locations.

Consistent management

Use the same interfaces (Prism) to manage day-to-day operations, reporting, and analytics across all your locations.

Unified policies

Apply consistent security, encryption, replication, deduplication, BCDR policies through Prism and Nutanix Cloud Manager for all locations.

Seamless EUC management

Unify EUC desktop image management across on-premises and public clouds without needing to modify any location or cloud architecture, ensuring faster and easier image consistency.

Cost-effective BCDR

Reduce your BCDR solution costs by leveraging the public cloud as a recovery site, eliminating the like-for-like need of 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.

Key Benefits

- **Faster time to value:** Accelerate cloud and digital transformation initiatives so your business can start benefiting from them as quickly as possible.
- **Integrated visibility and control:** Use a single, unified management control plane to see, manage, move, and secure data and apps across diverse cloud environments.
- **App mobility:** Quickly migrate applications to public clouds without needing modification, facing risks, or relicensing software.
- **Cloud-native integration:** Gain direct access to the cloud-native services and features of AWS and Microsoft Azure.
- **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.

Simplified IT modernization

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

Optimized resource utilization

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

What You Get With NC2

Speed to Cloud

Deploy or move existing applications to public clouds more quickly than other methods.

Cloud Simplicity

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

Cloud Efficiency

Receive consistent automation and lifecycle management for VMs and containers through a unified control plane, increasing operational efficiency. Its capabilities for right-sizing 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 HCI software used on-premises in a public cloud hyperscale environment. 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 retooling, code changes or 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.

Furthermore, NC2 is natively integrated with leading public cloud hyperscale services. The differences and complexities of these platforms are hidden from IT operators 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.

“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 datacentre to Microsoft Azure without the time, effort and expense of re-engineering applications for native deployment.

Nick Mahlitz
Senior Digital Infrastructure Manager,
Forestry & Land Scotland



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

www.nutanix.com/nc2

AWS alliance partner page on Nutanix

www.nutanix.com/products/nutanix-cloud-clusters/aws

Microsoft alliance partner page on Nutanix

www.nutanix.com/library/datasheets/nc2-on-azure

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