

Nutanix Cloud Clusters (NC2) on AWS

A Simpler, Faster and More Cost-Effective Hybrid Cloud with AWS.

Organizations can accelerate the adoption of hybrid cloud on AWS and deliver a more cost-effective solution for cloud migration, cloud disaster recovery, datacenter extension, and app modernization with Nutanix Cloud Clusters (NC2) on AWS.

NC2 is the public cloud deployment model for Nutanix Cloud Platform (NCP), and it enables the seamless deployment of Nutanix Cloud Infrastructure (NCI) software on AWS. With consistent IT management, processes and procedures across hybrid cloud environments, NC2 enables customers to accelerate their cloud journey, simplify cloud operations and increase cloud efficiency.

Product Use Cases

Cloud Migration

Accelerate your cloud journey with intelligent workload placement using lift-and-shift to simply move apps and data without the complexity and cost of refactoring.

Cloud Disaster Recovery (DR)

Cut the cost and complexity of maintaining on-premises DR sites with a one-click multitiered solution that uses on-demand elasticity to the public cloud.

Datacenter Extension

Rapidly expand on-demand capacity for geographic expansion, VDI workloads, seasonal workloads, dev/test, M&A, and services integration.

Application Modernization

Modernize your apps with Nutanix Kubernetes, database services and AI across the cloud, datacenter and edge with a unified operating model, and integrate with native cloud services.

Features and Capabilities

Hybrid Cloud Management

- Simplify app, data, and security management across clouds with a unified management control plane.
- Move workloads within your hybrid cloud seamlessly without code changes.
- Utilize AWS accounts for streamlined migration and integration between apps and AWS services without complex setups.
- Create multi-tiered disaster recovery (DR) between on-premises and AWS with options for short Recovery Point Objectives (RPOs) and fast Recovery Time Objectives (RTOs), or leverage AWS S3 storage for apps with longer RTOs.
- Scale cluster storage on-demand with AWS EBS integration.

Key Benefits

- Accelerate AWS adoption with zero-application-change migrations for faster time-to-value.
- Modernize applications with services from Nutanix, such as Kubernetes, database services, and AI, and integrate with native cloud services.
- Increase density and cost efficiency on AWS bare-metal, eliminating micro-waste.
- Simplify hybrid cloud with existing AWS accounts and VPCs for integration.
- Portability enables Nutanix licenses to be flexibly moved between on-premises and AWS.
- Access 30+ AWS regions and nine bare-metal instance types for broad availability.
- Lower TCO with just-in-time disaster recovery capacity buildout, enabled by multicloud snapshot technology.
- Gain multi-tiered disaster recovery protection for business-critical apps with integration into AWS S3/EBS.

Infrastructure Intelligence

- Simplify cloud operations and lifecycle management across on-premises, edge and public cloud.
- Eliminate manual cluster builds in AWS and deliver time-to-value with API-driven NC2 automation.
- Ensure infrastructure resilience against unplanned outages with intelligent rack awareness and auto host remediation, with automatic node recovery during failures.
- Procure clusters in minutes, with build times under an hour.
- Achieve enterprise-level application performance, resilience, and data retention with AWS bare-metal.
- Networking options provide low-latency access to AWS services, while Nutanix Flow Virtual Networking enhances seamless cloud-to-cloud migrations, offering integration and flexibility.

Flexibility and Efficiency

- Port flexible Nutanix licenses to the public cloud as needed for evolving business needs.
- Move applications between on-premises and NC2 on AWS for flexible workload placement.
- Use Nutanix Cloud Manager (NCM) for cost visibility and governance across on-premises, native cloud and NC2 on AWS.
- Minimize cloud silos with large cluster sizes of up to 28 nodes.
- Choose from nine bare-metal instance types offering varied CPUs, memory, storage, and GPU availability.

“Nutanix Cloud Clusters has been a real game changer, allowing us to move crucial services needed on AWS in just a few hours rather than having to re-architect or replace them. At the same time, it has also enabled us to strengthen disaster recovery protection for all of our business-critical applications while simplifying management operations and, by leveraging existing skill sets, saving both time and money.”

Alexander Milnikel
Principal Architect & Technical Lead,
HAPEV

AWS Bare-Metal	Configuration Options
Compute Instances	i4i, m6id, m5d, i3, i3en, z1d, g4dn, i7i, i7ie
Processor Cores	24-64 physical cores
Memory Configurations	384-1,024 GB
Local Storage	1.8-60 TB NVMe SSD
Optional EBS Storage	15-150 TB (up to 4x local storage)

Seamless Procurement and Support

NC2 is widely available across global [AWS regions](#) with joint Nutanix and AWS customer support.

Transact on Nutanix software via the AWS marketplace and together with AWS bare-metal, leverage AWS spend commitments for a more seamless procurement process. Nutanix customers can also seamlessly transfer on-premises edge licenses to NC2 on AWS environments.

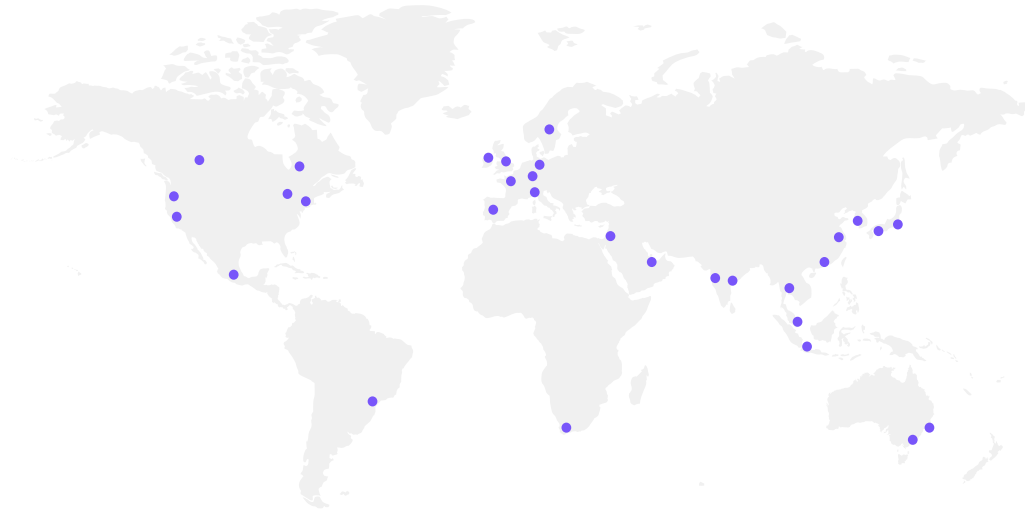


Figure 1: Choice of available NC2 on AWS regions¹

Resources and Getting Started

Additional NC2 on AWS resources, education and more can be found at the following links:

- Learn more about NC2 on AWS [here](#)
- Experience NC2 on AWS with a complimentary test drive [here](#)
- Start a [30-day free trial](#) of NC2 with AWS
- Learn more [about Nutanix](#)
- Optimize your cloud migration strategy with a [Migration Optimization Assessment](#) (Evolve Services)

¹View the [NC2 on AWS Deployment and User Guide](#) for specific node configuration limits and supported AWS regions.

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info@nutanix.com | www.nutanix.com | [@nutanix](https://twitter.com/nutanix)

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