

Nutanix Cloud Clusters (NC2) on Google Cloud

Making Hybrid Cloud Easy for All Workloads

"Like many others, we are always on a journey to modernize and shift to achieve the best outcomes for our customers. Nutanix Cloud Clusters (NC2) on Google Cloud brings us a solid platform to continue our hybrid cloud expansion. Our ability to seamlessly run workloads on-premises and on NC2 on Google Cloud without having to re-factor is increasingly valuable as we continue our modernization journey. We look forward to continuing our strong partnership with Google Cloud and Nutanix."

– VP of IT, Global Oil & Gas Company, Oklahoma

NC2 on Google Cloud

Nutanix Cloud Clusters (NC2) is the public cloud deployment model for the Nutanix Cloud Platform (NCP) solution, and it enables the seamless deployment of Nutanix software on Google Cloud. It offers a straightforward path to migrate and modernize apps, augment on-premises capacity with cloud capacity for seasonal needs, or establish Google Cloud as a disaster recovery target for efficient business continuity.

Customers can quickly migrate apps and data across the clouds of their choice and modernize with Nutanix AI, Kubernetes, and database services and cloud-native services. They can also manage their entire infrastructure spanning across datacenters, edge locations, and Google Cloud, as one unified cloud to simplify operations and increase cloud efficiency.

With consistent IT management, processes and procedures across hybrid multicloud environments, NC2 accelerates cloud adoption quicker than other methods, reduces complexity, and lowers your total cost of ownership (TCO).

AI/ML | Enterprise Apps | Databases | K8s | Analytics | VDI

Nutanix Cloud Platform



NUTANIX
Private or Service
Provider Clouds



DBaaS



Files
Object



AI



K8s



Google Cloud



Big
Query



Cloud
Storage



Vertex
AI



GKE

Key Benefits

- Accelerate Google Cloud adoption with zero-application-change migrations for faster time-to-value.

- Modernize applications with services from Nutanix and native Google Cloud services.
- Increase density and cost efficiency on Google Cloud Engine bare metal instances, eliminating micro-waste.
- Simplify hybrid cloud with your existing Google Cloud accounts and VPCs for integration.
- Flexibly move licenses between on-premises and Google Cloud with Nutanix license portability.
- Access many Google Cloud regions and bare metal instance types for broad availability.
- Gain multi-tiered DR protection for business-critical applications with integration into Google Cloud.

Product Use Cases

Cloud Migration & Modernization	Cloud Disaster Recovery	Datacenter Extension
Migrate apps and data to Google Cloud quicker than other methods with minimal risk. Plus, modernize with Nutanix services and integrate with native Google Cloud services.	Cut the cost and complexity of maintaining on-premises DR sites with a one-click, multi-tiered solution that uses on-demand elasticity to Google Cloud.	Rapidly launch on-demand capacity for geographic expansion, VDI, seasonal workloads, dev/test, mergers and acquisitions, and services integration.

Capabilities

Hybrid Cloud Management

- Simplify cloud operations and lifecycle management across on-premises, edge, and public cloud with a unified management control plane.
- Move workloads within your hybrid cloud seamlessly without refactoring your applications.
- Utilize your existing Google Cloud accounts for streamlined migration and integration between existing apps and Google Cloud services—without complex transformation projects.
- Create multi-tiered disaster recovery (DR) between on-premises and Google Cloud with options for short Recovery Point Objectives (RPOs) and fast Recovery Time Objectives (RTOs), or leverage Google Cloud storage for apps with longer RTOs.

Infrastructure Intelligence

- 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 2 hours.
- Achieve enterprise-level application performance, resilience, and data retention with Google Cloud native bare metal.
- Networking options provide low-latency access to Google Cloud services, while Nutanix Flow Virtual Networking (FVN) enables seamless cloud-to-cloud migrations, offering integration and flexibility.

Flexibility and Efficiency

- Port flexible Nutanix licenses to the public cloud as needed to meet evolving business needs.
- Leverage existing Google Cloud Commitments to purchase Nutanix software and Google Cloud native bare metal infrastructure through your Google Cloud Marketplace account.
- Move applications between on-premises and NC2 on Google Cloud for flexible workload placement.

Google Cloud Bare-Metal Configuration Options

.metal Compute Instances Z3

Processor Cores 96 physical cores

Memory Configurations	1536 GB
Local Storage	72 TB NVMe SSD
Network	Up to 200 Gbps

Google Cloud Bare-Metal

Configuration Options

.metal Compute Instances	C4
Processor Cores	144 physical cores
Memory Configurations	1080 / 2232 GB
Local Storage	18 TB NVMe SSD
Network	Up to 200 Gbps

Seamless Procurement and Support

NC2 will be widely available across global Google Cloud regions with joint Nutanix and Google Cloud customer support. Customers will be able to transact Nutanix software via the Google Cloud marketplace and together with Google Cloud compute, leverage cloud spend commitments for a more seamless procurement process. In addition, Nutanix customers will be able to seamlessly transfer existing on-premises licenses to NC2 on Google Cloud environments.



Resources and Getting Started

Additional NC2 on Google Cloud resources can be found at the following links:

- Learn more about [NC2 on Google Cloud](#)
- Experience NC2 on Google Cloud with a complimentary [Test Drive](#)
- Start a [30-day free trial](#) of NC2 on Google Cloud
- Learn more about [Nutanix](#)

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