Nutanix Cloud Clusters on Microsoft Azure

A Simpler, Faster and More Cost-Effective Hybrid Cloud for Microsoft Azure

Nutanix Cloud Clusters (NC2) is the hybrid multicloud deployment model for the Nutanix Cloud Platform (NCP). It enables the seamless deployment of on-premises and edge environment applications into Microsoft Azure without any changes in code.

Leveraging the same Nutanix Cloud Infrastructure (NCI) software with consistent IT management, processes and procedures across the entire hybrid multicloud delivers a faster time-to-cloud value with reduced complexity and lower total cost of ownership (TCO).

Product Use Cases

Cloud Migration

Deploy and migrate apps and data to Azure quickly and simply with no code changes between environments.

Eliminate upfront development time required to refactor apps for the cloud, then modernize them with Azure services post-migration if required.

Cloud Disaster Recovery

Use Azure regions as a secondary site for business continuity and disaster recovery (BCDR) preparedness. Benefit from global availability and geographic expansion of your DR solution without owning or managing a secondary datacenter yet recover in minutes if a disaster failover event occurs.

Data Center Extension

Eliminate wasteful on-premises resource requirements for geographic expansion, VDI workloads, seasonal apps, and dev/test environments by leveraging Azure bare-metal nodes on-demand. Rapidly spin-up apps when required, then shrink down when they're not.

Features and Capabilities

Hybrid Cloud Management

- Unified management control plane to manage, move and secure apps and data across clouds.
- Intelligent workload placement anywhere in the hybrid cloud without code changes.
- Use existing Azure customer accounts to simplify integration with existing customer apps or Azure services without the need for complex network or security constructs between Azure accounts.
- Elastic DR to the cloud scales when you need it and keeps cloud costs low.

Key Benefits

- Faster time-to-value: Accelerate Microsoft Azure adoption with zero-change app migrations.
- Increased cost efficiency: Up to 53% improved cost efficiency than deploying native cloud VM instances.
- Hybrid cloud simplicity: Leverage existing Azure customer accounts for the simplest integration.
- Flexible licensing: Nutanix license portability enables licenses to be moved between on-premises and Azure clouds.
- Availability via Azure Marketplace: Streamline your path to the cloud by leveraging Microsoft Azure Consumption Commitment (MACC) to pay for Nutanix software and Azure bare-metal nodes.
- Microsoft Azure hybrid benefits: Leverage Azure cost savings, flexibility and extended security update benefits for Windows and SQL servers moved to NC2 on Azure.
- High performance: Deploy and run all workload types across high-performance compute and storage.
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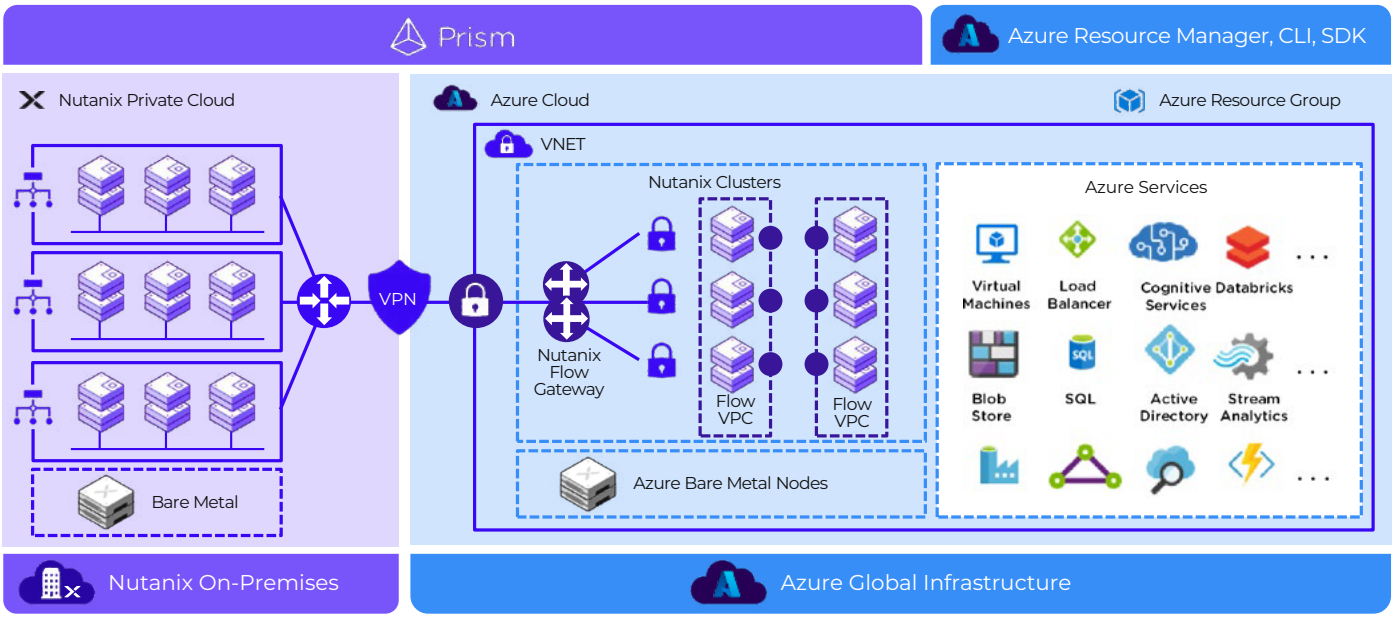
Infrastructure Intelligence

- Automatic rack awareness ensures that clusters are built using Azure bare-metal nodes from different racks for best resilience.
- Auto host remediation detects unplanned node outages and failures with workload recovery to other nodes and cluster insertion of a new node.
- Procurement in minutes via the Azure marketplace and automatic cluster build times in a few hours.
- Superior data retention with bare-metal-as-a-service co-developed with Microsoft Azure improves data integrity and retention during planned upgrades or unplanned outages.
- Integrated Flow Virtual Networking from Nutanix simplifies deployments in Azure VNets with built-in networking integration to stretch on-premises networks and eliminate the complexity of using Azure ExpressRoute between other VNets.

> NC2 gave us a real insight into just what we could save by not having to recode and acquire new specialist skills.
>
> Nick Mahlitz,
> Senior Digital Infrastructure Manager
> Forestry and Land Scotland



Cost Savings

- Flexible Nutanix license portability between on-premises and NC2 on Azure environments.
- Nutanix Cloud Manager (NCM) provides cost visibility and governance for line-of-sight views into cloud infrastructure costs across on-premises, native cloud and NC2 on Azure.
- Large cluster sizes of up to 28 nodes minimize cloud silos to reduce TCO.

Azure Model	AN36	AN36P
Compute Platform	Dual Intel Skylake	Dual Intel Cascade Lake
Processor Cores	18 Cores (per CPU socket)	18 Cores (per CPU socket)
Maximum Memory	576 GB	768 GB
Storage Type	NVMe and SSD	NVMe and Intel Optane
Maximum Storage Capacity	18.56 TB	20.7 TB

Seamless Procurement and Support

NC2 on Azure is available in these regions and with joint customer support.

Azure users can subscribe via the Azure marketplace using their MACC for Nutanix software and Azure nodes. Nutanix customers can seamlessly transfer licenses to Azure across on-premises, edge and public cloud environments.

Resources and Getting Started

Additional resources about NC2 on Azure are available at the links below.

- Learn more about NC2 on AWS here
- Experience NC2 on Azure with a complimentary test drive here
- Start a 30-day free trial of NC2 with Microsoft Azure here

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