

Nutanix Compute Clusters (NC2)
<https://stanislas.io>
Updated: 03 10 23

Nutanix

- Founded on September 23, 2009
 - IPO in September 2016 (NASDAQ:NTNX)
 - 6,450 employees (2022)
- Nutanix marketed its products as "hyperconverged infrastructure"
 - Leader in Gartner Magic Quadrant
 - More than 22000 customers
- As of December 2020 Nutanix founder Dheeraj Pandey handed over the CEO position to Rajiv Ramaswami after an investment from Bain Capital

Nutanix Mission

- We make hybrid multicloud infinitely simple, open and cost effective
 - with
 - Your Apps
 - Your Infrastructure
 - Your Cloud
- One platform to run apps with rich dataservices anywhere

What is NC2 ?

- On-demand Nutanix Compute clusters (NC2) running in target cloud environments using bare metal resources
 - NC2 runs the core Nutanix HCI stack
 - AOS
 - AHV
 - Prism / NCM
- Unify your private and public clouds
 - Shift from legacy infrastructure to hybrid multicloud services (public + private)
 - Benefits of hybrid multicloud infrastructure
 - Total Cost of Ownership savings
 - Reduce cost of operations
 - Use FinOps approach
 - Reduce waste
 - Benefit flexible cost models
 - Pay as you Go
 - Portable Nutanix licenses
 - Faster Time-to-value / market
 - Free your business from cloud vendor lock-in
- Reduces the operational complexity of hybrid cloud deployments and management whan extending, bursting and migrating/moving apps and workloads
 - One unified platform
 - Eliminate the complexity of management silos
 - Freedom of choice
 - Simplify management
 - The power of simplicity
 - Automate day to day tasks
- NC2 is not a managed service. Customers control when, where, and how to deploy or repatriate
- Switch from Capex to an Opex billing model

Use Cases

- Disaster recovery (DR)
 - "Elastic DR"
- Cloud Migration
 - Without refactoring or code change
 - Simple
 - Faster time to value
 - Reduce project risk
 - Cost effective
 - Application mobility
 - Lift and Shift
 - Cloud Native - Without Public Cloud vendor lock-in dilemma
- Geo Expansion / DC consolidation
- On-demand capacity bursting / Dev and Test
 - NC2 can be deployed in just a few hours
 - 40 min to 1 hour in AWS
 - 3 hours in Azure

Pricing

- Software
 - Pay-as-you-Go (PayG)
 - Cloud Commit (CC)
 - CC-35 or CC-100
 - Bring your own License (BYOL)
 - Transferring capacity from your on-premises term-based capacity-based licenses (CBL) to public cloud provide
- Hardware - Infrastructure
 - Customers are responsible for costs associated with AWS or Azure bare-metal instances and services
 - AWS
 - Additional charges (Network...)
 - Azure
 - Use Reserved Instances (1 or 3 years)
Up to 57.7% discount

NC2 on AWS

- Native AWS networking
- Regional availability
- Flexible bare-metal configurations
- Intelligent infrastructure
 - Node hibernate and resume
 - Rack awareness
 - Auto-host remediation
- Availability in AWS Marketplace
- Test drive
- More details

Hyperscalers

NC2 on Azure

- Azure Networking + Integrated Flow Virtual Networking
- Easily integrate with your choice of Azure native services
- Automatic node management
- Availability in Azure Marketplace
 - Leverage existing Microsoft Azure Consumption Commitment (MACC) to purchase both Nutanix software and Azure BareMetal Infrastructure
- Test drive
- More details