

**Nutanix Compute Clusters (NC2)**  
<https://stanislas.io>  
Updated: 05 04 24

**Nutanix**

- Founded on September 23, 2009
- Nutanix marketed its products as "hyperconverged infrastructure"
- 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
- 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
    - Faster Time-to-value / market
    - Free your business from cloud vendor lock-in
- Reduces the operational complexity of hybrid cloud deployments and management when extending, bursting and migrating/moving apps and workloads
  - One unified platform
  - Freedom of choice
  - The power of simplicity
- 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
- 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)
  - Licence subscription for 1/2/3yr term
  - 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
      - Use AWS Compute saving or EC2 Saving
      - 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
  - Cluster Protect
- Availability in AWS Marketplace
  - Leverage existing Enterprise Discount Program (EDP) to purchase both Nutanix software and AWS EC2 Metal resources
- 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