

NC2 on AWS Deployment

Product Code: CNS-NC2-A-SVC-DEP-AWS

At-a-Glance

Stage: Deploy

The Nutanix Cloud Clusters (NC2) on Amazon Web Services (AWS) Deployment Service streamlines the deployment of NC2 to support enterprise applications and workloads on AWS EC2 Bare Metal instances. This service includes seamless integration with existing infrastructure components, ensuring a cohesive hybrid environment. It is ideally suited for the Deploy phase of the hybrid multicloud journey, enabling faster time-to-value and operational readiness.

Related Services

- NC2 Design Workshop
- Infrastructure Design Workshop
- NCI Disaster Recovery Deployment

Service Scope

Expert consultants with deep domain expertise and industry experience begin by deploying the NC2 on AWS cluster in accordance with Nutanix best practices and the customer-approved design document. Following deployment, the consultant delivers a customized As-built Guide and updates the Configuration Workbook to accurately document the final NC2 cluster configuration, ensuring clarity and consistency for ongoing operations.

The service includes the following activities

- Deploy and configure an NC2 cluster on AWS:
- Provide guidance for configuring the Cloud account, including identification of AWS account / virtual private cloud (VPC)
- Create AWS entities for NC2 landing zone
- Create a new VPC
- Create subnets
- Create network address translation (NAT) and internet gateway (IGW)
- Configure route tables
- Configure my.nutanix.com workspace and subscribe to the NC2 solution
- Add the AWS account as a cloud account in the NC2 management console and run Cloud Formation template
- Deploy a Nutanix cluster on AWS via the NC2 Console to an existing VPC
- Deploy Prism Central or integrate to an existing compatible Prism Central
- Deploy AWS Route 53 domain name server (DNS) resolvers to integrate on-premises DNS, if required

- Deploy and integrate with existing virtual private network (VPN) or Direct Connect
- Integrate with the following existing infrastructure components:
 - Lightweight directory access protocol (LDAP) using existing Active Directory (AD)
- Complete NC2 subscription and license reservation, if applicable
- Test and validate the deployed NC2 cluster

Limitations

- For each quantity purchased, deployment is limited to a single NC2 cluster on AWS with a maximum of 28 nodes and:
 - 2 AWS Route 53 DNS resolvers
 - 2 AWS virtual private gateways with up to 6 static or 6 dynamic routes
 - Up to 6 native AWS subnets or Nutanix FVN overlay subnets (NAT or NoNAT)
- Excludes creation of or updates to customer-provided Design Documents
- Excludes on-premises routing and VPN endpoint/firewall configuration

Prerequisites

- Environment that meets Deployment Readiness Checklist

Note: The Deployment Readiness Checklist is delivered as part of the NC2 Design Workshop or the Infrastructure Design Workshop. Activities identified in the checklist must be completed prior to deployment.

- Existing deployed VPN or Direct Connect
- Customer-provided Design Document
- Completed Pre-Install Questionnaire
- AWS account with sufficient CPU quota

Note: For information on the NC2 deployment prerequisites, see NC2 on AWS Requirements in the *Nutanix Cloud Clusters on AWS Deployment and User Guide* on the Nutanix Support Portal.

Related Product Licenses

- Nutanix Cloud Infrastructure (NCI)

Delivered Artifacts

- Test Plan
- As-built Guide
- Configuration Workbook

Level of Effort

Typically up to 3 days

Delivery Type

Delivery Type	Delivery Activities
Virtual	<ul style="list-style-type: none">• Virtual deployment
In-person	<ul style="list-style-type: none">• In-person deployment

Related Products

- Nutanix Cloud Infrastructure (NCI)

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