

NC2 on GCP Deployment

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

At-a-Glance

Stage: Deploy

The Nutanix Cloud Clusters (NC2) on Google Cloud Deployment accelerates the creation of a secure, scalable hybrid multicloud foundation on Google Cloud Platform. Purpose built to support your hybrid cloud journey—particularly during the Deploy phase—this service focuses on:

- Standing up a validated NC2 cluster on GCP using Nutanix recommended practices
- Configuring foundational GCP networking components including VPCs, regional subnets, firewall rules, Cloud NAT, and Cloud Router
- Building required GCP landing zone entities and integrating existing enterprise infrastructure such as VPN, Cloud Interconnect, DNS, and Active Directory
- Preparing the environment for operations by configuring accounts, performing subscription setup, reserving licenses, and validating cluster readiness

Certified Nutanix consultants lead the deployment end-to-end, ensuring a seamless experience and delivering complete documentation to support ongoing operations, governance, and scalability.

Related Services

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

Service Scope

Certified Nutanix consultants—equipped with extensive NC2 and GCP expertise—deliver a fully validated NC2 environment aligned to Nutanix recommended practices and your organization's architectural requirements. The deployment includes establishing the required GCP landing zone, configuring cloud networking, integrating with existing identity and connectivity services, and deploying all required NC2 components for production readiness.

Upon completion, the consultant delivers:

- A customized As-built Guide capturing all final deployed configuration details
- An updated Configuration Workbook reflecting all validated settings used during deployment
- Documented Test Plan results verifying successful NC2 deployment and operational readiness

The service includes the following activities

- Provide guidance for configuring the Cloud account, including identification of GCP project ID / virtual private cloud (VPC) and IAM accounts
- Create GCP entities for NC2 landing zone
- Create a new VPC

- Create regional subnets
- Configure cloud NAT and cloud router for internet connectivity
- Configure VPC routes and firewall rules
- Configure my.nutanix.com workspace and subscribe to the NC2 solution
- Add the GCP account as a cloud account in the NC2 management console and run deployment automation
- Deploy a Nutanix cluster on GCP via the NC2 console to an existing VPC
- Deploy Prism Central or integrate to an existing compatible Prism Central
- Deploy and configure Flow Virtual Networking as required for NC2 on GCP
- Deploy cloud domain name server (DNS) resolvers to integrate on-premises DNS, if required
- Deploy and integrate with existing cloud VPN or cloud Interconnect
- 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

Project Management

Nutanix Project Management (PM) oversees Nutanix resources and aligns execution with your goals, scope, and timelines.

Core Project Management activities may include the following:

- Serve as a single point of contact for all project communication
- End-to-end Nutanix resource management
- Coordinate change window(s) and implementation schedules with customer
- Track and facilitate readiness and prerequisite completion
- Conduct Project Kickoff/Tech Readiness meeting(s)
- Integrate customer resources into the high-level project timeline
- Send Status Update(s)
- Manage timeline(s)
- Deliver created artifacts to customer
- Facilitate project close-out activities

Limitations

- For each quantity purchased, deployment is limited to a single NC2 cluster on GCP with a maximum of 28 nodes and:
 - 2 cloud DNS resolvers
 - 2 Cloud VPN gateways with up to 6 static or 6 dynamic routes
 - Up to 6 Nutanix Flow Virtual networking overlay subnets (NAT or NoNAT)

- Excludes creation of or updates to customer-provided Design Documents
- Excludes on-premises routing and VPN endpoint/firewall configuration

Project Management

- Excludes scheduling customer resources and activities
- Excludes detailed project plan (schedule) development and management
- Excludes responsibility for creating, managing, or delivering change management communications

Supported Hypervisors

- Nutanix AHV

Supported Cloud platforms

- Google Cloud Platform

Prerequisites

- Environment that meets Deployment Readiness Checklist

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

- Existing deployed cloud VPN or Cloud Interconnect
- Customer-provided Design Document
- Completed Pre-delivery Questionnaire
- GCP account with sufficient CPU quota

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

Related Product Licenses

- Nutanix Cloud Infrastructure (NCI)

Delivered Artifacts

Delivered Artifact	Description
Test Plan	Documents the Nutanix standard tests executed on the deployed solution and records the results of those tests to confirm the environment is ready for production use.
As-built Guide	Captures the final, deployed configuration of the solution, detailing how the environment was actually built and configured in comparison to the customer-provided design.
Configuration Workbook	Captures all required configuration settings and decisions gathered during the design workshop to support accurate and consistent solution deployment.

Delivered Artifact	Description
Updated Configuration Workbook	Updated during deployment, the workbook captures all required configuration settings and decisions gathered during the design workshop to support accurate and consistent solution deployment.

Level of Effort

Typically up to 3 days

Delivery Type

Delivery Type	Delivery Activities
Virtual	<ul style="list-style-type: none"> Virtual deployment Virtual project management <p>Note: Any in-person project management activities provided solely at Nutanix's discretion</p>
In-person	<ul style="list-style-type: none"> In-person deployment Virtual project management <p>Note: Any in-person project management activities provided solely at Nutanix's discretion</p>

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)

Terms and Conditions

This document contains the entire scope of the service offer. Anything not explicitly included above is out of scope. This service offer is subject to the Nutanix Services General Terms and Conditions, which can be viewed at <https://www.nutanix.com/support-services/consulting-services/terms-and-conditions>

©2024 Nutanix, Inc. All rights reserved. Nutanix, the Nutanix logo, and all Nutanix product and service names mentioned herein are registered trademarks or trademarks of Nutanix, Inc. in the United States and other countries. Nutanix, Inc. is not affiliated with VMware by Broadcom or Broadcom. VMware and the various VMware product names recited herein are registered or unregistered trademarks of Broadcom in the United States and/or other countries. All other brand names mentioned herein are for identification purposes only and may be the trademarks of their respective holder(s).