

GC2 on AWS GovCloud Deployment

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

At-a-Glance

Stage: Deploy

The Nutanix Government Cloud Clusters (GC2) on AWS GovCloud Deployment accelerates the setup of a secure, scalable multicloud infrastructure tailored for regulated environments. Designed to support your hybrid cloud journey—particularly during the Deploy phase—this service focuses on:

- Establishing a validated GC2 cluster on AWS GovCloud, aligned with Nutanix recommended practices
- Configuring core AWS infrastructure components, including virtual private clouds (VPCs), subnets, gateways, and route tables
- Integrating with existing enterprise systems such as virtual private network (VPN), domain name server (DNS), and Active Directory (AD)
- Enabling operational readiness through subscription setup, license reservation, and cluster validation

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

Related Services

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

Service Scope

Certified Nutanix consultants, equipped with deep domain expertise and hands-on experience, lead the deployment of GC2 on AWS GovCloud. Following Nutanix-recommended practices and customer-specific requirements, the consultants ensure a secure, scalable, and validated multicloud environment tailored for regulated workloads.

Upon completion, the consultant delivers:

- A customized As-built Guide detailing the final deployed configuration
- An updated Configuration Workbook to support ongoing operations and future scalability

The service includes the following activities

- Deploy and configure a GC2 cluster on AWS GovCloud:
- Provide guidance for configuring the cloud account, including identification of AWS account/VPC
- Create AWS entities for GC2 landing zone
- Create a new VPC
- Create subnets
- Create network address translation (NAT) and internet gateway (IGW)

- Configure route tables
- Deploy a GC2 cluster to an existing VPC
- Deploy Prism Central to or integrate with an existing compatible Prism Central
- Deploy AWS Route 53 DNS resolvers to integrate on-premises DNS, as required
- Deploy and integrate with existing VPN or Direct Connect
- Integrate with the following existing infrastructure components:
 - Lightweight directory access protocol (LDAP) using existing AD
- Complete GC2 subscription and license reservation, if applicable
- Test and validate the deployed GC2 cluster

Optional Activities

- Integrate with simple mail transfer protocol (SMTP) using an existing mail relay

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/technical readiness meeting(s)
- Integrate customer resources into the high-level project timeline
- Send status update(s)
- Manage timeline(s)
- Deliver created artifacts to the customer
- Facilitate project closeout activities

Limitations

- For each quantity purchased, deployment is limited to a single GC2 cluster on AWS GovCloud 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 Flow Virtual Network (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

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

- Amazon AWS GovCloud

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-Deployment Questionnaire
- AWS account with sufficient CPU quota

Note: For information on the GC2 deployment prerequisites, see GC2 Cluster Deployment Prerequisites in the *Nutanix Government Cloud Clusters on AWS Deployment and User Guide* on the Nutanix Support Portal.

Related Product Licenses

- Nutanix Cloud Infrastructure (NCI)

Delivered Artifacts

Delivered Artifact	Description
Test Plan	Documents test results for the deployed solution to ensure the solution is production ready using Nutanix standard test plans.
As-built Guide	Captures all the configuration settings to ensure what is deployed matches the customer- provided design document.
Configuration Workbook	Captures all necessary settings gathered during design workshops to support solution deployment.

Level of Effort

Typically up to 4 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)

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