

# NC2 Deployment for Azure Multicloud Snapshot Technology

Product Code: CNS-NC2-A-SVC-DEP-MST-AZURE

## At-a-Glance

### Stage: Deploy

The Nutanix Cloud Clusters (NC2) Deployment for Azure Multicloud Snapshot Technology (MST) accelerates the enablement of Azure-based disaster recovery for Nutanix environments using MST. Designed to support the Deploy phase of the customer's DR strategy, this service focuses on:

- Configuring Multicloud Snapshot Technology to replicate protected VMs to Azure Blob Storage
- Deploying or validating the Azure-based NC2 Zero Compute or Pilot Light recovery environment
- Establishing required Azure components including S3 buckets, IAM users and policies, VPCs, subnets, gateways, and routing
- Integrating Azure infrastructure with customer networking such as VPN or Direct Connect
- Validating DR readiness by testing recovery of non-production VMs to NC2 on Azure

Certified Nutanix consultants lead all deployment activities, ensuring MST is configured according to Nutanix recommended practices and the customer's DR design. The result is a validated recovery workflow with clear documentation supporting ongoing operations and future DR scalability.

### Related Services

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

## Service Scope

Certified Nutanix consultants leverage deep MST and NC2 on Azure expertise to deliver a validated, production-ready DR configuration based on the customer's chosen deployment model—Zero Compute or Pilot Light. The service includes configuring Azure Blob Storage for snapshot storage, preparing required IAM, networking, and landing zone elements in Azure, integrating customer connectivity, and enabling MST-based protection policies and recovery plans aligned with the customer's RPO/RTO requirements.

- For Zero Compute deployments, consultants additionally provision and validate an on-demand NC2 cluster used for recovery testing.
- For Pilot Light deployments, consultants configure MST to target the customer's already-running NC2 on Azure environment.

Upon completion, the consultant delivers:

- As-Built Guide documenting the final deployed configuration
- Updated Configuration Workbook capturing all validated deployment parameters

- Documented Test Plan results confirming that recovery workflows and NC2 on Azure validation have been successfully completed

## Zero Compute Edition

For customers deploying MST with a Zero Compute architecture, this enables on-demand deployment of NC2 on Azure and the restoration of virtual machines from snapshots stored in Azure Blob Storage. This model deploys and configures a Zero Compute NC2 on Azure recovery cluster.

The Zero Compute Edition includes the following activities:

- Validate the existing disaster recovery (DR) source on-premises NCI or NC2 cluster and the associated Prism Central deployment
- Review customer-provided DR design document including RPO and RTO requirements
- Validate sizing for Azure Blob Storage and Nutanix Snapshots
- Deploy Azure Blob Storage Container for MST data including configuring IAM users, access keys, and access policies
- Configure vNet and subnets for MST
- Deploy MST on the existing source cluster
- Based upon customer-provided DR design:
  - Create categories and DR mappings for VMs
  - Create Protection Policies with an Azure Blob Storage target
- Test and validate the recovery of non-production VMs by deploying and configuring a Zero Compute NC2 on Azure recovery cluster
  - Provide guidance for configuring a cloud account, including subscriptions and allowlisting
  - Create Azure entities for NC2 landing zone
  - Create an Azure resource group
  - Create Azure vNets
  - Create subnets with appropriate delegation
  - Deploy and assign NAT gateway to subnets
  - Create Azure app registrations
  - Register Azure resource providers
  - Configure my.nutanix.com workspace and subscribe to the NC2 solution using on-demand billing
  - Add the Azure subscription as a cloud account in the NC2 Management Console
  - Deploy a three-node NC2 cluster in Azure through the NC2 console including Prism Central
  - Deploy and configure Flow Virtual Networking
  - Deploy and integrate Nutanix Flow Gateway with an existing virtual private network (VPN) or Express Route
  - Clone Azure Blob Container or disable MST on source cluster
  - Deploy MST on Zero Compute NC2

- Restore test VMs to the Recovery Cluster using recovery points stored in Azure Blob Storage Containers
- Perform cluster cleanup

## Pilot Light Edition

For customers using MST with a pilot light deployment model that leverages an existing NC2 on Azure cluster. This model assumes an NC2 on Azure cluster with a minimum of three nodes is already deployed and available for MST configuration, along with an associated Prism Central instance running in NC2.

The Pilot Light Edition includes the following activities:

- Validate the existing disaster recovery (DR) source on-premises NCI or NC2 cluster and the associated Prism Central deployment
- Validate existing NC2 cluster and Prism Central deployment to be used as a disaster recovery target
- Review customer-provided DR design document including RPO and RTO requirements
- Validate Sizing for Azure Blob Storage and Nutanix Snapshots
- Review requirements for Nutanix Guest Tools (NGT)
- Deploy Azure Blob Storage Container for MST data including configuring IAM users, access keys, and access policies
- Configure vNet and subnets for MST
- Deploy MST on the NC2 Cluster
- Based upon customer-provided DR design
  - Configure availability zones
  - Create categories and DR mappings for VMs
  - Create Protection Policies with NC2 Pilot Light cluster and Azure Blob Storage as a target
  - Configure recovery plans
  - Configure custom IP mappings
- Install NGT, as needed
- Test and validate recovery of non-production VMs to the Pilot Light 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/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 one source cluster and one target cluster. Source cluster can be an on-premises NCI or NC2 cluster while the target must be an NC2 on Azure cluster
- Each additional source-and-target cluster pair requires the purchase of an additional quantity
- Excludes Nutanix On-premises Multicloud Snapshot Technology (MST) deployment.

**Note:** *NCI Deployment for On-premises MST* is available to deploy Nutanix On-premises Multicloud Snapshot Technology

## Zero Compute Edition

- Zero Compute configuration is limited to:
  - 1 Zero Compute NC2 cluster deployment
  - 10 DR-related categories
  - 5 protection policies
- MST storage deployment is limited to Azure Blob Storage. Excludes Nutanix Objects deployment
- Test and validation of recovery is limited to 5 non-production VMs
- Excludes hibernation of Zero Compute NC2 on Azure cluster, as it is not supported on NC2 on Azure

## Pilot Light Edition

- Pilot Light configuration is limited to
  - 2 availability zones
  - 10 categories related to DR
  - 5 protection policies
  - 5 recovery plans
  - 20 custom IP mappings
- MST storage deployment is limited to Azure Blob Storage. Excludes Nutanix Objects deployment
- NGT installation limited to 5 VMs
- Test and validation of recovery is limited to 5 non-production VMs
- Excludes deployment of the target NC2 cluster

**Note:** *NC2 Deployment on Azure* is available to deploy the target NC2 cluster

## Supported Hypervisors

- Nutanix AHV

## Supported Public Cloud Platforms

- Microsoft Azure

## 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

## Prerequisites

- Customer-provided DR Design Document including RPO and RTO requirements
- Completed Pre-delivery Questionnaire
- Microsoft Azure account with sufficient vCPU quota
- Azure Entra ID and permissions to create an app registration in Azure AD with access to the new subscription

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

## Zero Compute Edition

- Fully supported and functional on-premises NCI or NC2 on Azure source cluster that meets all product requirements for MST

**Note:** For information on the requirements for configuring MST, see DR Using Multicloud Snapshot Technology in the *Nutanix Disaster Recovery Guide* on the Nutanix Support Portal.

- For on-premises NCI source clusters, network connectivity between source on-premises datacenter and Azure

## Pilot Light Edition

- Fully supported and functional on-premises NCI or NC2 on Azure source cluster and NC2 target cluster that meets all product requirements for MST

**Note:** For information on the requirements for configuring MST, see Disaster Recovery Requirements in the *Nutanix Disaster Recovery 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.

Delivered Artifact	Description
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.
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

Zero Compute Edition	Pilot Light Edition
Typically up to 5 Days	Typically up to 3 days

## Related Products

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

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