

# NCI Bundle Basic Edition

Product Code: CNS-NCI-B-BAS-ONP

## At-a-Glance

Stage: Design, Deploy, and Migrate

The Nutanix Cloud Infrastructure (NCI) Bundle Basic Edition is an all-in-one solution empowers IT teams to design, deploy, and migrate on-premises NCI clusters with ease. Whether you're modernizing your infrastructure or moving virtualization workloads, NCI Basic Edition delivers a seamless path to the cloud—fast, flexible, and future-ready.

## Service Scope

A series of design sessions is led by experienced consultants with deep technical expertise to define solution requirements and desired outcomes. These sessions involve close collaboration with key customer stakeholders, including architecture, virtualization, and networking teams.

Following the design sessions, the consultant develops two core deliverables:

- Nutanix Configuration Workbook – capturing environment-specific configuration details
- Design Document – outlining the conceptual, logical, and physical design of the solution

The consultant then deploys the on-premises Nutanix Cloud Infrastructure (NCI) clusters in alignment with Nutanix recommended practices. Upon completion, the final configuration is documented in:

- A customized As-built Guide
- An updated Configuration Workbook

To support virtual machine (VM) migration, the consultant conducts an enablement session for Nutanix Move. After the session, Nutanix Move is deployed and configured, including a source and destination VM pair, to validate and streamline the migration process.

This service includes the following activities:

### Infrastructure Design

- Gather and document solution requirements, constraints, assumptions, dependencies, and decisions in a series of design sessions
- Develop NCI architecture, including interoperability, security, and scalability for future growth
- Define integration with Active Directory (AD)/lightweight directory access protocol (LDAP) and IP address management (IPAM)/ domain name system (DNS) environments
- Develop on-premises NCI cluster design
- Design virtual networking, including integration with the physical network
- Design virtual storage, including container layout and associated storage optimization features
- Validate cluster sizing based on workload details provided by the customer
- Design the management plane and operations dependencies
- Develop a plan for system functional validation testing

- Design security, including data-at-rest encryption, SSL certificate, password complexity, and syslog

## Infrastructure Deployment

- Deploy and configure NCI cluster, including recommended firmware (via Nutanix Life Cycle Manager (LCM)) and Nutanix Acropolis operating system (AOS)
- Deploy and configure the hypervisor cluster on the deployed NCI cluster
  - Configure LCM for automatic updates (online, dark site bundle, or via integration into an existing dark site LCM web server)
- Configure layer 2 virtual networking on hypervisor hosts
  - Configure hypervisor virtual switches
- Test and validate the deployed clusters
- Optional activities:
  - Deploy and integrate Prism Central
  - Enable local key management service (KMS) for encryption
  - Choose one of the following optional services:
    - Deploy and configure a dark site LCM web server running either IIS (Windows) or Apache (supported Linux OS) on the customer-provided VM image
    - Harden Nutanix Controller VM and AHV according to the Nutanix Security Guide
    - Install and configure non-factory-installed supported hardware (RAM, LAN, SSD, HDD, etc.)
    - Install and configure hardware and drivers for the GPU, including installing host drivers, deploying the GPU license server and configuring a single test VM for vGPU

## FastTrack for Nutanix Move

- Conduct a Nutanix Move enablement session
  - Review integration among AOS and hypervisors
  - Provide a Nutanix Move features and functionality overview
- Deploy the Nutanix Move appliance
  - Configure Nutanix Move to connect to the VM source environment
  - Configure Nutanix Move to connect to the target cluster
  - Demonstrate migration of VMs

## Site Design Topology

### Single Site

Single-site design in a single physical site.

### Multisite DR

DR active/active, active/passive, or hub-spoke design configuration

- Gather recovery point objective (RPO) and recovery time objective (RTO) requirements for workloads, including DR and replication considerations

## 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

- Excludes 1 and 2 node NCI-Edge clusters
- Excludes the Cisco HCI UCS platform

## Infrastructure Design

- Limited to general virtualization design. Workload-specific designs are available that include on-premises NCI Design, including:
  - Database Design
  - EUC Broker Design
  - AI/ML Design
- Excludes detailed migration planning.

**Note:** Detailed planning, including migration wave planning, is available in the Virtual Machine Migration Planning.

## Infrastructure Deployment

- Excludes deployment of NUS, NCI Flow Network Security, or NCI Advanced Replication
- Excludes deployment of EUC, AI/ML, Kubernetes, or database workloads
- Excludes integration into an external KMS
- Excludes hardening of 3rd-party components

## FastTrack for Nutanix Move

- Connect to a single existing supported target cluster
- Connect to a single existing supported VM source environment
- Migration limited to 5 non-production VMs

- Excludes in-guest VM reconfiguration
- Nutanix Move must support the OS of the source and target VMs
- Excludes the migration of business-critical databases and EUC workloads due to performance and technical risk to the workload

**Note:** For migrating databases, see the *Database Migration* offer. For migrating EUC workloads, see the *EUC Migration* offers.

## Single Site Design Topology

- Design is limited to a single production environment at one physical site,
- For each quantity purchased, deployment is limited to 1 node. A maximum of 64 nodes distributed in up to 4 on-premises NCI clusters of a single hypervisor type at a single physical site.

## Multisite DR Design Topology

- Design is limited to a single production environment spanning multiple physical sites
- Design is limited to 2 distinct site patterns, though multiple instances of each pattern can be deployed (common for hub-spoke or branch office architectures)
- For each quantity purchased, deployment is limited to 1 node. A maximum of 64 nodes distributed in up to 4 on-premises NCI clusters of a single hypervisor type at a single physical site. The quantity of nodes will be deployed per physical site, with a maximum of 2 physical sites.

## Supported Source Hypervisors

- Nutanix AHV
- VMware ESXi
- Microsoft Hyper-V
- Microsoft Azure
- Amazon Web Service EC2

## Supported Target Hypervisors

- Nutanix AHV

## 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

- Hardware that meets all product requirements for the selected hypervisor on NCI.

**Note:** For information on the requirements for NCI Clusters, see Field Installation Overview in the *Field Installation Guide* on the Nutanix Support Portal.

- Completed Pre-delivery Questionnaire
- Fully supported and functional source environment

**Note:** For information on the requirements for using Nutanix Move, see the *Move User Guide* on the Nutanix Support Portal.

## Related Product Licenses

- Nutanix Cloud Infrastructure (NCI)
- Hypervisor licenses for 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	Updated during deployment, the workbook captures all required configuration settings and decisions gathered during the design session to support accurate and consistent solution deployment.
Design Document (Standard Documentation only)	Captures the customer’s solution architecture based on design session outcomes, detailing both high-level and low-level designs. It documents requirements, constraints, assumptions, and risks, and provides clear rationale for design decisions to ensure the solution meets performance, availability, scalability, and other critical objectives.

## Level of Effort

Site Topology/ Documentation Type	Basic (varies based on the number of nodes purchased)
Single Site Workshop Documentation	Typically up to 7 days
Single Site Standard Documentation	Typically up to 10 days
Multisite DR Workshop Documentation	Typically up to 14 days
Multisite DR Standard Documentation	Typically up to 18 days

## Delivery Type

Delivery Type	Basic
Virtual	<ul style="list-style-type: none"> <li>• Virtual design session</li> <li>• Virtual documentation</li> <li>• Virtual deployment</li> <li>• Virtual migration</li> <li>• Virtual project management</li> </ul> <p><b>Note:</b> Any in-person project management activities provided solely at Nutanix's discretion</p>
In-person	<ul style="list-style-type: none"> <li>• In-person design session</li> <li>• Virtual documentation</li> <li>• Virtual deployment</li> <li>• Virtual migration</li> <li>• Virtual project management</li> </ul> <p><b>Note:</b> Any in-person project management activities provided solely at Nutanix's discretion</p>

## Related Products

- Nutanix Cloud Infrastructure (NCI)

## Terms and Conditions

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