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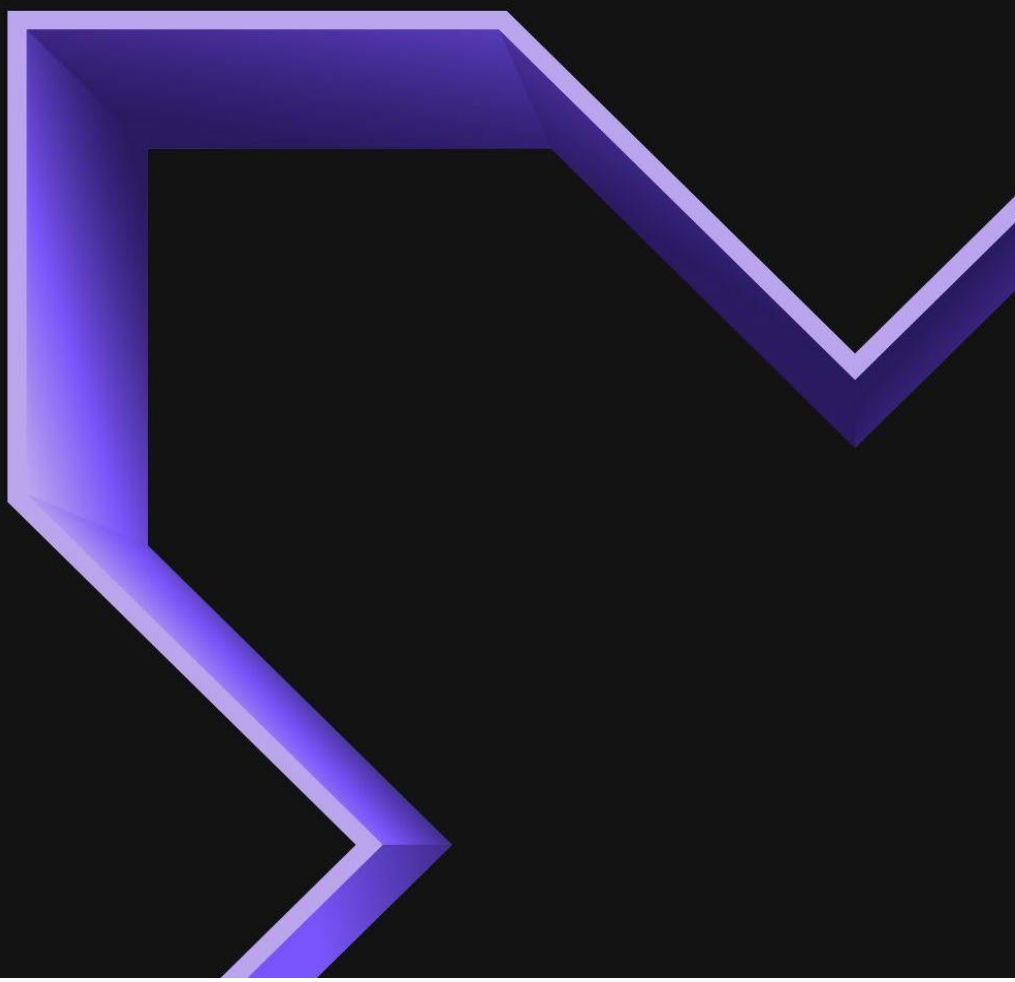
Nutanix Professional Services

Service Descriptions



NUTANIX

Services by Product

Nutanix Cloud Infrastructure (NCI) Services

NUTANIX

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 workshops 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 workshops, 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 workshops
- 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 rivers, 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 point objective (RTO) requirements for workloads, including DR and replication considerations

Limitations

Infrastructure Design

- Limited to general virtualization design. Workload-specific designs are available that include on-premises NCI Design, including:
  - Database Design Workshop
  - EUC Broker Design Workshop.
  - AI/ML Design Workshop
- Excludes detailed migration planning. Detailed planning, including migration wave planning, is available in the Virtual Machine Migration Workshop.

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 workloads

Note: If migrating databases, see the Database Migration offer. If 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

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-Install 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

- Configuration Workbook
- Design Document (Standard Documentation only)
- Test Plan
- As-built Guide

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 Workshop Documentation	Typically up to 18 days

Delivery Type

Delivery Type	Basic
Virtual	• Virtual workshop • Virtual documentation • Virtual deployment • Virtual migration
In-person	• In-person workshop • Virtual documentation • Virtual deployment • Virtual migration

Related Products

- Nutanix Cloud Infrastructure (NCI)

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