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Nutanix Professional Services

Service Descriptions

NUTANIX



Services by Product

Nutanix Cloud Infrastructure (NCI) Services	4
NCI Bundle Basic Edition	5
NCP Migration and Operations Workshop	10
Infrastructure Design	13
NCI Design Workshop for Cisco	19
NCI Disaster Recovery Design Workshop	23
NCI Flow Network Security Microsegmentation Design Workshop	26
Infrastructure Deployment	29
Infrastructure Deployment for NCI-Edge	33
Infrastructure Expansion	37
NCI Cluster Deployment or Expansion for Cisco	41
NCI Disaster Recovery Deployment	45
NCI Flow Network Security Microsegmentation Deployment	49
FastTrack for NCI Flow Network Security Microsegmentation	52
FastTrack for NCI Flow Virtual Networking VPC	55
Virtual Machine Migration Workshop	58
Virtual Machine Migration	60
Physical-to-Virtual Conversion	63
FastTrack for Nutanix Move	65
NCI Operations Workshop	68
NCI Cluster FitCheck	72
Nutanix Cloud Infrastructure – Compute (NCI-C) Services	75
NCI-C Bundle Dell PowerFlex Essential Edition	76
NCI-C Dell PowerFlex Readiness Workshop	83
NCI-C Dell PowerFlex Integration	86
Nutanix Cloud Clusters (NC2) Services	89
NC2 Design	90
NC2 on AWS Deployment	96
NC2 on Azure Deployment	99
VMC on AWS to NC2 Migration Bundle Enterprise Edition	102
Nutanix Kubernetes Platform (NKP) & Kubernetes Platform Services	109
NKP Design Workshop	110
NKP Deployment	115
Kubernetes Platform Design Workshop for Red Hat OpenShift	120
Kubernetes Platform Deployment for Red Hat OpenShift	123
Nutanix AI (NAI) & AI/ML Services	126
NAI GPT Pro Bundle	127
NAI GPT Ultimate Bundle	135
AI/ML Planning Workshop	144
AI/ML Design Workshop	146
NAI GPT Deployment	149
AI/ML Strategy and Optimization Workshop Series	152
Nutanix Cloud Management (NCM) & Automation Services	155
NCM Intelligent Operations Design Workshop	156

NCM Self-Service Design Workshop.....	158
NCM Intelligent Operations Deployment	161
FastTrack for NCM Intelligent Operations.....	164
FastTrack for NCM Self-Service.....	166
FastTrack for NCM Cost Governance	169
Automation Design Workshop.....	171
Automation Development Sprint.....	174
Nutanix Unified Storage (NUS) Services.....	178
NUS Design Workshop	179
NUS Deployment.....	182
FastTrack for NUS Files	186
NUS Migration Workshop.....	189
NUS Files Migration.....	191
NUS Files Operations Workshop	193
Nutanix Database Service (NDB) & Database Services.....	197
Database Recommended Practices	198
Database Planning and Assessment Workshop	200
Database Design Workshop	202
NDB Deployment and Database Migration.....	205
NDB Deployment	208
NDB Expansion	211
NDB Database Patching.....	213
NDB Database Cloning.....	216
Database Migration Workshop	219
Database Migration.....	222
Database FitCheck.....	224
End User Computing (EUC) Services.....	227
EUC Discovery and Assessment Workshop.....	228
EUC Broker Design Workshop.....	230
EUC Multisite Design Workshop	234
EUC Broker Deployment	237
EUC Advanced Application Layering Deployment	241
EUC Advanced Environment Management Deployment.....	244
EUC Disaster Recovery and Multisite Integration	248
EUC Gold Image Creation.....	252
EUC Workload Expansion	255
EUC Migration Workshop	258
EUC Workload and Gold Image Migration	260
EUC User Data Migration	263
EUC FitCheck.....	266
Flexible Credits.....	270
Flexible Credits.....	271

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Nutanix Cloud Infrastructure (NCI) Services

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 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 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	<ul style="list-style-type: none">• Virtual workshop• Virtual documentation• Virtual deployment• Virtual migration
In-person	<ul style="list-style-type: none">• In-person workshop• Virtual documentation• Virtual deployment• Virtual migration

Related Products

- Nutanix Cloud Infrastructure (NCI)

Terms and Conditions

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