NCI Design Workshop

Product Code: CNS-INF-A-WRK-DES

At-a-Glance

Stage: Design

The Nutanix Cloud Infrastructure (NCI) Design Workshop offers IT teams in-depth and practical guidance to create a comprehensive design for on-premises NCI clusters. It covers various aspects such as scalability, functionality, integration, and operational needs. This workshop is beneficial during the Design stage of a hybrid multicloud journey, especially for complex solutions that involve third-party applications and automation.

Service Scope

A series of design workshops are delivered by highly skilled consultants with strong domain expertise and rich experience to ensure that the solution requirements and required outcomes are identified. Design workshops require collaboration with key customer stakeholders from architecture, virtualization, and networking teams. After the design workshop, the consultant develops a Nutanix Design document and configuration workbook that addresses conceptual, logical, and physical NCI design elements. It also details requirements, constraints, assumptions, design decisions, identified risks, and mitigations.

Starter Edition

For customers who want a basic Infrastructure design to run greenfield workloads.

The Starter Edition includes the following activities:

- 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 AD/LDAP and IPAM/DNS environments
- Develop NCI cluster design
- Design virtual networking, including integration with the physical network
- Design virtual storage, including container layout, compression, and de-duplication
- Validate NCI sizing based on workload details provided by the customer
- Develop a plan for system functional validation testing
- Design security including data-at-rest encryption, SSL certificate, password complexity, and syslog

Pro Edition

For customers looking for a more comprehensive design that focuses on migrating existing workloads and storage. Choose the Pro Edition if designing for multisite architectures and disaster recovery (DR) capabilities or Nutanix Unified Storage (NUS).

The Pro Edition includes the following activities:

- Everything included in the Starter Edition
- Develop and plan a multisite on-premises design

- Design for one of the NUS data services (Objects, Volumes, or Files) (optional)
- Plan security hardening and compliance as per the *Nutanix Security Operations Guide*
- Assess datacenter infrastructure and rack design
- Gather RPO and RTO requirements for workloads, including DR and replication considerations
- Plan for VM and data protection
- Design to support the migration of existing workloads and storage into the new environment
  - Review the existing environment at a high level to support sizing
  - Develop migration methodology

Ultimate Edition

For customers looking to fully transform and secure infrastructure with advanced RBAC, Flow Virtual Networking, or Flow Network Security. Choose the Ultimate Edition if designing for advanced networking, multisite architectures, disaster recovery (DR) capabilities, or Nutanix Unified Storage (NUS).

The Ultimate Edition includes the following activities:

- Everything included in Starter and Pro Editions
- Assess the current state of elements included in the design
- Design RBAC and Nutanix categories/tagging
- Design for all NUS data services (Objects, Volumes, and Files) (optional)
- Design for Nutanix Flow Virtual Networking (VPC) or Nutanix Flow Network Security Microsegmentation

Limitations

- Limited to general virtualization and database workloads; end user computing (EUC) workload designs are available via workload-specific offers
- Excludes detailed migration planning. However, detailed planning is available as part of the Virtual Machine Migration Workshop

Starter Edition

- For each quantity purchased, design is limited to a single production environment at one physical site for a single supported hypervisor

Pro Edition

- For each quantity purchased, design is limited to a single production environment spanning multiple physical sites for a single supported hypervisor

Ultimate Edition

- For each quantity purchased, design is limited to a single production environment spanning multiple physical sites for a single supported hypervisor

Supported Hypervisors

- Nutanix AHV
- VMware ESXi
- Microsoft Hyper-V

Prerequisites

- None

Related Product Licenses

- None

Deliverables

- Project Kickoff
- Project Schedule
- Project Status Report(s)
- Workshop
- Configuration Workbook
- Design Document (Standard or Enhanced Documentation only)
- Project Closeout

Note: This offer is available with several documentation options, defined here https://www.nutanix.com/support-services/consulting-services/documentation-tiers

Duration

Starter	Pro	Ultimate
Typically up to 5 days	Typically up to 10 Days	Typically up to 15 days

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Manager (NCM)
- Nutanix Database Services (NDB)

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