NUS Design Workshop

Product Code: CNS-NUS-A-WRK-DSGN

At-a-Glance

Stage: Design

The Nutanix Unified Storage (NUS) Design Workshop offers IT teams comprehensive guidance and a structured approach to designing NUS on Nutanix Cloud Infrastructure (NCI). This workshop encompasses NUS Files and Nutanix Objects, addressing critical aspects such as scalability, high availability, disaster recovery, integration, and operational requirements. By focusing on collaboration and comprehensive documentation, the workshop empowers IT teams to ensure scalability, high availability (HA), and seamless integration with existing infrastructure, ultimately achieving optimal outcomes. This workshop is beneficial during the Design stage of a hybrid multicloud journey,

Related Services

- NUS Deployment
- Infrastructure Design Workshop
- Infrastructure Deployment

Service Scope

Delivered by highly skilled consultants with solid storage domain expertise and rich experience, the NUS Design Workshop service ensures that the solution requirements and required outcomes are identified. Design workshops require collaboration with key customer stakeholders from architecture, storage, virtualization, and networking teams. After the design workshop, the consultant develops a Design document and configuration workbook that addresses conceptual, logical, and physical solution design elements.

The resulting NUS design can be deployed multiple times in various environments, such as development, test, and production, assuming the business and technical requirements remain the same.

Essential Edition

For customers who want to design a single instance of NUS Files or Objects deployed to a single physical site.

The Essential Edition includes the following activities:

- Gather and document solution requirements, constraints, assumptions, dependencies, risks, mitigations, and decisions in the workshop
- Deliver an overview of high-level architecture and concepts of either NUS Files or Objects
- Review the customer's current landscape, use cases, and operations, and identify how NUS data services fit into the existing environment
- Assess resources for the existing on-premises NCI or NC2 environment, including available storage, memory, CPU, and network connectivity

- Evaluate and define the integration of other infrastructure services required for the deployment, including but not limited to Active Directory (AD), Domain Name Service (DNS), Network Time Protocol (NTP), directory services, identity services, etc.

NUS Files

- Define NUS File shares and share types based on the use case
- Identify requirements for Files Analytics or Data Lens
- Plan NUS Files Smart Tiering
- Plan security hardening and compliance as per the *Nutanix Security Operations Guide*

  Note: For security hardening and compliance requirements, see *Nutanix Security Operations Guide* on the Nutanix Support Portal.

- Develop a validation plan that addresses the access and management of NUS Files

Nutanix Objects

- Define Nutanix Objects Store and bucket/s
- Define bucket options, including policies, versioning, lifecycle, and write once, read many (WORM)
- Plan security hardening and compliance as per the *Nutanix Security Operations Guide*

Advanced Edition

For customers who want to deploy NUS Files and/or Objects to a pair of on-premises NCI or NC2 clusters deployed within a single physical site or across 2 physical sites for production and/or disaster recovery (DR) purposes.

The Advanced Edition includes the following activities:

- Everything included in the Essential Edition

NUS Files

- Design NUS Files DR options (Protection Domain or SmartDR)
- Plan NUS Files data management (Smart Tiering, Smart Sync, and self-service restore (SSR))
- Define requirements for Files Analytics or Data Lens.
- Develop a validation plan, including NUS Files failover and failback scenarios with non-production workloads.

Nutanix Objects

- Define bucket-level replication use case

Limitations

- Excludes infrastructure design for on-premises NCI, dedicated NUS, or NC2 clusters.

Essential Edition

- For each quantity purchased, design is limited to a single instance of NUS Files or Objects on an on-premises NCI or NC2 cluster deployed within a single physical site

Advanced Edition

- For each quantity purchased, deployment is limited to a pair of on-premises NCI or NC2 clusters deployed within a single physical site or across 2 physical sites

Prerequisites

- None

Required Product Licenses

- None

Deliverables

- Project Schedule
- Project Status Report(s)
- Workshops
- Configuration Workbook
- Design Document
- Project Closeout

Duration

Essential	Advanced
Typically 4 days	Typically 6 days

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)
- Nutanix Unified Storage (NUS)

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