EUC Broker Design

Product Code: CNS-EUC-A-WRK-BRK

At-a-Glance

Stage: Design

The End User Computing (EUC) Broker Design offers IT teams in-depth and practical guidance to create a comprehensive design for an application or desktop virtualization solution. It covers various aspects such as scalability, functionality, integration, and operational needs. This engagement is beneficial during the Design stage of a hybrid multicloud journey, especially for EUC workloads.

Related Services

- EUC Discovery and Assessment
- EUC Broker Deployment

Service Scope

Highly skilled consultants with strong domain expertise and rich experience deliver A series of design sessions to ensure that the solution requirements and required outcomes are identified. Designs require collaboration with key customer stakeholders from architecture, virtualization, networking, and EUC teams. After the Design, the consultant develops a Nutanix Design Document and configuration workbook that addresses conceptual, logical, and physical NCI and EUC Broker design elements.

Essential Edition

For customers who want a basic Infrastructure design for greenfield EUC workloads.

The Essential Edition includes the following activities:

- Gather and document solution requirements, constraints, assumptions, dependencies, risks, mitigations, and decisions in a series of design sessions
- 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
- Design EUC Broker infrastructure for one supported EUC Broker
- Design security including data-at-rest encryption, SSL certificate, password complexity, and syslog
- Assess load balancing impact and requirements
- Define Gold Image configurations for either desktop VM or Remote Desktop Session Host (RDSH) VM
- Define access methods and requirements
- Define basic Profile Management and folder redirection configuration
  - Includes Citrix Profile Management

NUTANIX

- Omnissa DEM
- Microsoft FSLogix standard Profile and Office Data File Container (ODFC)
- Validate customer-provided infrastructure capacity based on sizing requirements and choice of supported hypervisors (including optional vGPU support)
- Plan Nutanix Unified Storage (NUS) Files data service architecture to support user workspace and profiles only
- Plan system functional testing for solution

Optional Activities for Essential Edition
- Validate vGPU support

Advanced Edition

For customers with advanced EUC environment requirements including application management, layering and Microsegmentation.

The Advanced Edition includes the following activities:

- Everything in the Essential Edition
- Conduct a high-level review of existing EUC environment to support sizing
- Plan EUC Broker VM and user data protection
- Plan one of the following Advanced Environment Management solutions:
  - Citrix Workplace Environment Management (WEM) agent
  - Omnissa Dynamic Environment Manager (DEM)
  - FSLogix Profile and ODFC with Cloud Cache
- Plan one of the following Application Layering solutions:
  - Citrix App Layering
  - Omnissa App Volumes
- Plan Nutanix Flow Network Security Microsegmentation within the EUC environment
- Plan user acceptance testing (UAT)
- Plan user onboarding

Site Design Topology

Each edition supports either a single site or a multisite DR topology design.

- **Single Site** - Single site EUC design in a single physical site or resource location
- **Multisite DR** – EUC DR active/active or active/passive design configuration, including user profile replication with NUS Files

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

Essential Edition

- Limited to up to 2 distinct use cases
- Limited to up to 2 EUC Gold Image configurations
- Microsoft FSLogix configuration limited to standard Profile and ODFC

Advanced Edition

- Limited to up to 10 distinct use cases
- Limited to up to 10 EUC Gold Image configurations

Site Design Topology

Single Site

- Limited to a single physical site or public cloud region for the EUC use case only
- Limited to a single EUC broker deployment design

Multisite DR

- Limited to up to 2 physical sites or public cloud region for the EUC use case only
- Limited to up to 2 disparate EUC Broker deployment designs

Supported EUC Brokers

- Citrix Virtual Apps and Desktops
- Citrix DaaS
- Omnissa Horizon

Supported Hypervisors

- Nutanix AHV
- VMware ESXi

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

- None

Required Product Licenses

- None

Delivered Artifacts

Delivered Artifact	Description
Configuration 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

Type	Essential	Advanced
Single Site	Typically up to 5 days	Typically up to 11 days
Multisite DR	Typically up to 12 days	Typically up to 15 days

Delivery Type

Delivery Type	Delivery Activities
In-person	- In-person design session - Virtual documentation - Virtual project management **Note:** Any in-person project management activities provided solely at Nutanix's discretion

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)

- End User Computing (EUC)

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