

EUC Disaster Recovery and Multisite Integration

Product Code: CNS-EUC-A-SVC-DEP-MSDR

At-a-Glance

Stage: Deploy

End User Computing (EUC) Disaster Recovery (DR) and Multisite Integration accelerate the integration for existing application or desktop virtualization solutions with Nutanix Cloud Infrastructure (NCI) Disaster Recovery solutions, including Asynchronous, NearSync, Synchronous DR, and Metro Availability. This offer is ideal for the Deploy stage of the hybrid multicloud journey for EUC workloads.

Related Services

- EUC Multisite Design Workshop
- EUC Broker Design Workshop

Service Scope

Highly skilled consultants with solid domain expertise and rich experience begin by reviewing the customer-provided EUC DR Design Document and requirements. The consultant then deploys and configures one of the supported DR solutions according to Nutanix's recommended practices and the customer-provided Design Document. After the deployment, the consultant creates a customized As-built document and updated configuration workbook to document the final configuration of the cluster(s).

The service includes two configuration options.

Active-Passive Disaster Recovery

For customers who want a DR solution with a DR site taking over from a primary site via a failover process. Active-passive DR is primarily used to support persistent desktop environments.

The Active-Passive Disaster Recovery option includes the following activities:

- Review and validate EUC Disaster Recovery Design Document
- Review requirements, constraints, risks, assumptions
- Review recovery point objective (RPO) and recovery time objective (RTO) requirements
- Review inventory of virtual machines (VMs) to be protected
- Review IP address remapping requirements
- Configure Nutanix DR solution between 2 sites
 - Configure the NCI cluster at the target site
 - Configure Async or NearSync protection domains (PDs)
 - Configure Prism Central availability zones
 - Configure Nutanix DR protection policies
 - Configure Nutanix DR recovery plans

- Review protection of Microsoft SQL Server databases
- Configure protection of EUC control plane VMs
- Protect Citrix Virtual Apps & Desktops (CVAD) Delivery Controllers, StoreFront servers, Workspace Environment Management (WEM) brokers, and Enterprise Layer Manager (ELM)
- Protect Omnissa Horizon connection servers, composer servers, app volume managers, and Unified Access Gateway (UAG) appliances
- Configure protection for existing EUC template VMs
- Configure replication for NUS Files
- Protection configured by PD-based Async/Smart DR
- Validate failover plan for the control plane, user desktop, and remote desktop session host (RDSH) VMs
- Test failover of control plane, desktop, and RDSH VMs
- Test fail-back of the control plane, desktop, and RDSH VMs
- Verify existing SQL Server infrastructure to support control plane infrastructure

Optional Activities for Active-Passive DR

- Assist customer in configuring SQL mirroring, always-on availability group (AAG), or basic AAG (BAG)
- Protect NVIDIA License System

Active-Active Disaster Recovery

For customers who want to deploy multisite architectures with each site simultaneously supporting a subset of the users. Active-active DR is primarily used to support large-scale, non-persistent desktop environments.

The Active-Active Disaster Recovery option includes the following activities:

- Review and validate EUC multisite design
- Review requirements, constraints, risks, assumptions
- Review cross-site user failover requirements
- Review RPO and RTO requirements for user data
- Review inventory of VMs to be replicated
- Configure Nutanix DR solution between 2 sites
 - Configure disaster recovery settings on the NCI cluster at the target site
 - Configure Prism Central availability zones
 - Configure Async or NearSync PDs
 - Configure Nutanix DR protection policies
 - Configure Nutanix DR recovery plans
- Configure replication for existing EUC Gold Image
- Configure replication for NUS Files using either PD-based Async DR, Smart DR, or PeerGFS, if required by design

- Review replication of Microsoft SQL Server databases, if required by design
- Configure Omnisia Horizon cloud-pod architecture and global entitlements
 - Configure App Volumes volume groups to support AppStack replication, if required by the design
- Configure Citrix Virtual Apps and Desktops StoreFront aggregation
- Review the configuration of global server load balancing (GSLB)
- Assist customer in configuring NetScaler features, as required by existing design
- Validate site failover plan for desktop users
- Test failover of users from one site to the other
- Failover of users to a different non-persistent desktop
- Test failover for NUS Files between sites
- Test failover for SQL Server databases, if required

Optional Activities for Active-Active DR

- Protect NVIDIA license system
- Assist customer in configuring Microsoft SQL mirroring, AAG, or BAG

Limitations

- For each quantity purchased, EUC DR Multisite integration is limited to one source physical site or public cloud region and one target physical site or public cloud region.

Note: Larger environments require a custom statement of work (SOW)

- EUC-related workloads only
- Custom scripting to support failover or migration of persistent desktops between control plane instances is not in scope but may be accommodated via a custom SOW.

Supported EUC Brokers

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

Prerequisites

- Fully supported and functional on-premises NCI or Nutanix Cloud Clusters (NC2) source cluster and on-premises NCI or NC2 target cluster that meets all product requirements for the selected DR solution.

Note: For information on the requirements for configuring Nutanix Disaster Recovery, see Disaster Recovery Requirements in the *Nutanix Disaster Recovery Guide* on the Nutanix Support Portal.

- Customer-provided Design Document detailing the EUC multisite design
- Completed Pre-Install Questionnaire

Required Product Licenses

- Nutanix Cloud Infrastructure (NCI)
- Hypervisor licenses for NCI
- EUC Broker licensing
- Microsoft SQL Server licensing (if required)
- Peer Software PeerGFS licensing (if required)

Delivered Artifacts

- As-built Guide

Level of Effort

Typically 8 days

Delivery Type

Delivery Type	Delivery Activities
Virtual	<ul style="list-style-type: none">• Virtual integration

Related Products

- Nutanix Cloud Infrastructure (NCI)
- Nutanix Cloud Clusters (NC2)
- End User Computing (EUC)

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