Infrastructure Modernization

HCI Disaster Recovery Deployment

BENEFITS

- Ensure best practice deployment of the Nutanix Enterprise Cloud pPlatform

- Reduce deployment risks and accelerate time to value by leveraging Nutanix Xperts

- Take advantage of comprehensive as-built documentation and a robust knowledge transfer session

OVERVIEW

Hyper-converged Infrasturcture (HCI) Disaster Recovery (DR) Deployment focuses on collaborating with customers to deploy Nutanix DR technology with a choice of Nutanix-supported Hypervisors: AHV, vSphere or Hyper-V. The clusters can be deployed on a range of supported hardware platforms from Nutanix, our OEM partners or other platform providers. This service supports Nutanix Leap (on premises), Nutanix Metro Availability, Nutanix Async DR and Nutanix NearSync technologies.

| HCI Design Workshop | → | HCI Cluster Deployment | → | Workload Migration Services | → | HCI DR Deployment |

A certified Nutanix consultant helps you configure your Nutanix clusters and DR technology according to the design documentation provided while following Nutanix- and indsutry-recommended best practices.

After the deployment, you'll receive a customized Nutanix as-built document and updated configuration workbook that documents the final configuration of the clusters.

SERVICE SCOPE

Configure Nutanix clusters by following your DR design and configuration documentation.

This fixed-outcome service is offered with 3 possible configurations, depending on the customer's needs and choice of DR technology. The service is sold in 'packs' of polices, protection domains or cluster-pairs as appropriate to the technology selected. Customers deploying more policies, domains or cluster-pairs may purchase multiple packs or deployment services to cover the inventory.

NUTANIX

REQUIREMENTS

- Existing Nutanix Clusters at each physical site
- Existing DR plan and design to be implemented
- Nutanix licensing as required by the design
- Adequate network bandwidth to support data replication
- Less than 5ms latency between data centers for Metro Availability configurations
- NGT must be installed in guest VMs for cross-hypervisor DR capabilities

Nutanix Leap

For customers deploying Nutanix Leap between 2 customer-owned clusters, leveraging runbooks and policy-based recovery.

This service is sold in packs of five 5 Leap protection policies. For customers needing to deploy more policies, additional packs should be purchased.

Deployment Includes:
- Review existing design documentation, RPO and RTO requirements
- Review sizing for Nutanix snapshots
- Review requirements for Nutanix Guest Tools (NGT)
- Based upon an existing Leap-based DR design:
  o Configure availability zones (up to 2 per pack)
  o Configure protection policies (up to 5 per pack)
  o Configure recovery plans (up to 5 per pack)
  o Configure custom IP mappings (up to 20 per pack)
- Deploy and integrate Prism Central, as required
- Install NGT on up to 5 virtual machines (VMs) (optional, requires supported guest operating systems)
- Test and validate recovery of up to 5 non-production protected VMs
- Generate as-built documentation with test results
- Conduct knowledge transfer (up to 2 hours) on the deployed configuration

Nutanix Metro Availability

For customers deploying Nutanix synchronous replication to ensure a zero-data loss configuration.

This service is sold in packs of one cluster-pair; that is, 2 Nutanix clusters configured for synchronous replication. For customers needing to deploy more cluster-pairs, additional packs should be purchased.

Deployment Includes:
- Review existing design documentation, RPO and RTO requirements
- Review sizing for Nutanix snapshots
- Review network bandwidth and latency to support synchronous replication
- Review Metro Availability operational modes (manual, automatic resume, witness)
- Based upon an existing Metro Availability-based DR design:
  o Configure remote sites on each Nutanix cluster
  o Deploy Metro Witness VM at 3rd site (optional)
  o Configure source and destination containers
  o Configure protection domain(s) between containers
  o Configure ESXi cluster, DRS affinity rules, HA settings
- Migrate test VMs onto Metro Availability containers (up to 5)
- Test and validate migration of test VMs between sites
- Test and validate DR process for failed site
- Test and validate clean-up process and migration back to primary site
- Generate as-built documentation and test results
- Conduct knowledge transfer (up to 2 hours) on the deployed configuration

DELIVERABLES

- Project plan
- Project status reports
- Deployment of Nutanix DR technology across two physical locations or clusters
- As-built documents for clusters and configurations deployed
- Remotely executed test plan and test results
- Knowledge transfer session
- Project close out

Nutanix Async and NearSync
For customers leveraging Nutanix Async DR and NearSync DR technologies

This service is sold in packs of ten (10) Protection Domains. For customers needing to deploy more protection domains, additional packs should be purchased.

Deployment includes:
- Review existing design documentation, RPO and RTO requirements
- Review sizing for Nutanix snapshots
- Review requirements for Nutanix Guest Tools (NGT)
- Based upon an existing Async- or NearSync-based DR design:
  - o Configure remote sites
  - o Configure protection domains (up to 10 per pack)
  - o Assign VMs to the protection domains
- Install NGT on up to 5 VMs (optional)
  - **NOTE:** NGT is required for cross-hypervisor DR
- Test and validate recovery of up to 5 non-production protected VMs
  - o Validate recovery from primary site protection domain
  - o Validate recovery from remote site protection domain
  - o Validate protection domain migration (planned event)
  - o Validate protection domain activation (unplanned event)
  - o Validate post-DR cleanup procedures
- Generate as-built documentation with test results
- Conduct knowledge transfer (up to 2 hours) on the deployed configuration

TASK

	Leap	Metro	Async DC
HCI Disaster Recovery Deployment	up to 3 days	up to 3 days	up to 2 days

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 that can be viewed at
https://www.nutanix.com/support-services/consulting-services/terms-and-conditions

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