

Infrastructure Deployment

Product Code: CNS-INF-A-SVC-DEP-ONP

At-a-Glance

Stage: Deploy

The Infrastructure Deployment service accelerates the deployment of hybrid cloud infrastructure to support any application and workload. Highly skilled consultants can deploy on-premises Nutanix Cloud Clusters (NCI) clusters or dedicated Nutanix Unified Storage (NUS) clusters. The clusters can be deployed to various supported hardware platforms, regardless of whether it's Nutanix, our OEM partners, or other platform providers. This offer is ideal for the Deploy stage of the hybrid multicloud journey.

Related Services

- Infrastructure Design Workshop
- NUS Design Workshop
- NUS Deployment
- Infrastructure Expansion

Service Scope

Highly skilled consultants with solid domain expertise and rich experience begin by deploying the NCI or dedicated NUS clusters according to Nutanix 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).

On-premises NCI or Dedicated NUS Clusters

The service includes deploying up to 4 individual on-premises NCI clusters at a single physical site according to customer-provided design and configuration documentation.

The service includes the following activities:

- Review customer-provided design and configuration documentation
- Deploy and configure NCI cluster, including recommended firmware (via LCM) and AOS
- Deploy and configure the hypervisor cluster on the deployed NCI cluster
 - For VMware vSphere clusters, integrate the vSphere cluster into an existing vCenter or deploy the vCenter Server Appliance (VCSA)
 - For Microsoft Hyper-V clusters, integrate Hyper-V cluster into an existing System Center Virtual Machine Manager (VMM)
 - Configure LCM for automatic updates (online, dark site bundle, or via integrated into an existing dark site LCM webserver)
- Configure layer 2 virtual networking on hypervisor hosts
 - Configure hypervisor virtual switches
- Deploy and integrate Prism Central (optional)

- Enable local key management service (KMS) for encryption (optional)
- Test and validate the deployed clusters
- Optional services (choose one):
 - Deploy and configure a dark site LCM webserver running either IIS (Windows) or Apache (supported Linux OS) on the customer-provided VM image
 - Harden Nutanix Controller VM and AHV according to the *Nutanix Security Guide*
 - Install and configure non-factory installed supported hardware (RAM, LAN, SSD, HDD, etc.)
 - Install and configure hardware and drivers for GPU
 - Install host drivers
 - Deploy GPU license server
 - Configure a single test VM for vGPU

Limitations

- For each quantity purchased, deployment is limited to a single node
- Maximum of 64 nodes distributed in up to 4 on-premises NCI or dedicated NUS clusters of a single hypervisor type at a single physical site
- Excludes creation or updates to existing design documentation
- Excludes deployment of NUS, NCI Flow Network Security, or NCI Advanced Replication
- Excludes deployment of EUC, AI/ML, or database workloads
- For VMware vSphere clusters, vCenter Server Appliance (VCSA) deployment is limited to a single standalone appliance
- Excludes integration into an external KMS
- Excludes hardening of 3rd-party components, including VMware ESXi and Microsoft Hyper-V

Supported Hypervisors

- Nutanix AHV
- VMware ESXi
- Microsoft Hyper-V

Prerequisites

- Hardware that meets all product requirements for the selected hypervisor on NCI.

Note: For information on the requirements for NCI Clusters, see Field Installation Overview in the *Field Installation Guide* on the Nutanix Support Portal.

- Customer-provided Design document
- Completed Pre-Install Questionnaire

Required Product Licenses

- Nutanix Cloud Infrastructure (NCI)

- Hypervisor licenses for NCI

Deliverables

- Project Kickoff
- Project Schedule
- Project Status Report(s)
- Test Plan
- Deployment
- As-built Guide
- Project Closeout

Duration

Typically 3 days (varies based upon the number of nodes purchased)

Related Products

- Nutanix Cloud Infrastructure (NCI)

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>

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