

HYPERFLEX LIMITED DEPLOYMENT (LD)

Service Overview:

At Netnology, we specialize in Cisco enablement and implementation services to expedite the adoption of Cisco HyperFlex (HX). As part of this Limited Deployment (LD) service offer, our subject matter experts (SME) partner with your team to ensure a smooth deployment of the HX solution in the production environment and provide knowledge transfer to equip your staff with the necessary skills to configure and manage the HX environment.

Cisco HX Solution:

Cisco HX provides an integrated end to end solution for compute, storage and networking of services. The solution can be administered from the cloud-based Cisco Intersight solution for an intelligent anywhere on demand-based organization. Cisco HX solution empowers organizations utilizing a wide range of hypervisor solutions to take advantage of the HX high-performance, distributed file system.

- Multisite Edge Deployments
- Complete Hyperconvergence
- Continuous Data Optimization
- Independent Resource Scaling
- Orchestrated Deployment

Service Benefits:

Netnology has a team of world class engineers who specialize in the Cisco HX solutions and are passionate about customer success. Netnology will partner with you to provide:

- Step-by-step guidance from an SME on HX solution deployment.
- Configuration and documentation of HX solution.
- Knowledge transfer to ensure customer is ready to configure and manage the production environment.

Scope of Services:

As part of the 10-day LD engagement, Netnology will help with the following:

- Solution Overview
- HX Single Data Center Solution Deployment (up to 16 converged and /or compute only non-Edge Nodes, can be split up to 2 clusters)
- VMware Based Deployment Solution and Features
- UCSM Deployment (Single Pair of Fabric Interconnects)
- HX Connect Features and Monitoring
- HX Data Platform Installer Configuration

- Data Store Creation (up to 6 Data Stores)
- Virtual Switching and vNIC Creation (up to 2 additional Virtual Switch with 4 additional vNIC (per node))
- Migration (up to 5 existing workloads)
- Knowledge Transfer

Target Audience:

This service is designed for Network Architects, Network Engineers, Systems Engineers, Security Engineers and Administrators configuring, deploying and managing the Cisco HX solution in production environments.

Prerequisites:

Customer needs to ensure that all equipment and devices are racked & stacked, cabled and powered-up prior to the kick-off. Customer also needs to acquire the necessary software licenses for the deployment of HX solution.

Customers must have a pre-existing VMware vCenter Server Environment of 6.0 or newer.

Service Deliverables:

No	Deliverable	Service Details
1.	Project Kickoff	<ul style="list-style-type: none"> • Project Overview • Solution Overview
2.	UCSM Deployment	<ul style="list-style-type: none"> • Install and setup Fabric Interconnect Cluster • NTP, DNS, Other Services and Policy • Firmware Upgrades • HX Server Discovery
3.	HX Data Platform Installer Configuration	<ul style="list-style-type: none"> • Discover Existing vCenter Infrastructure <ul style="list-style-type: none"> ○ Deploy HX Data Platform Installer VM • Configure Settings for HX Deployment <ul style="list-style-type: none"> ○ Subnets ○ VLANs
4.	HX Data Platform Installer Configuration	<ul style="list-style-type: none"> • Orchestrated Deployment of HX Cluster <ul style="list-style-type: none"> ○ vCenter Integration <ul style="list-style-type: none"> • vSwitch & VMK Port Creations ○ UCSM Policy Creation <ul style="list-style-type: none"> • vNICs, BIOS, KVM ○ Disk Capacity Discovery <ul style="list-style-type: none"> • Raw Storage • Cluster Formation • Caching
5.	Data Store Creation	<ul style="list-style-type: none"> • Create Data Stores for Hypervisor Utilization <ul style="list-style-type: none"> ○ Provisions Data Stores for the Nodes
6.	Compute Only Node Deployment	<ul style="list-style-type: none"> • Adding Compute Only Node to Cluster (if applicable) <ul style="list-style-type: none"> ○ UCSM Policy ○ Hypervisor Deployment ○ Utilizing Converged Node Shared Data Stores
7.	Virtual Switching and vNIC Creation	<ul style="list-style-type: none"> • Add Virtual or Distributed Virtual Switches • Add vNIC Templates to the UCSM <ul style="list-style-type: none"> ○ Apply to HX Nodes
8.	Migration	<ul style="list-style-type: none"> • Migrate workload from existing environment to the HX solution (up to 5 existing workloads)
9.	Knowledge Transfer	<ul style="list-style-type: none"> • Explain to the customer how to configure and manage the deployed solution in the production environment.