



# Cisco HyperFlex

## 'COURSE CONTENT'



---

**StringzNet Solutions**

Bangalore (INDIA)

# (+91) 9999-828-928

[www.stringznet.com](http://www.stringznet.com)

[email@stringznet.com](mailto:email@stringznet.com)



# Implementing Cisco HyperFlex

## Course Outline

### Introducing Hyperconvergence and Cisco HyperFlex

- Traditional Data Center Design
- What Is Hyperconvergence?
- What Is Cisco HyperFlex?
- Cisco HyperFlex Primer
- Evolution of Cisco HyperFlex

### Describing Cisco UCS: The Foundation of Cisco HyperFlex

- Cisco Server Deployment Models: Standalone Versus Managed
- Cisco UCS Managed Model Benefits
- Cisco UCS M5 Overview
- Cisco UCS M5 Server Types ◦ Cisco Virtual Interface Cards (VICs) and their Benefits
- Cisco UCS Fabric Interconnects
- Cisco UCS Manager

### Describing Cisco HyperFlex Hardware Components

- Introducing Cisco HyperFlex Servers
- Storage Technologies in Cisco HyperFlex
- Storage Components of Cisco HyperFlex Converged Nodes
- Non-Storage Components of Cisco HyperFlex Converged Nodes
- Cisco UCS Fabric Interconnects
- Compute-Only Nodes



## Installing and Expanding Standard ESXi Cisco HyperFlex

- Installation Summary
- Software Prerequisites
- Hardware Prerequisites
- Cisco HyperFlex Networking
- Required Deployment Information
- Installing Physical Components
- Configure Upstream Switches
- Prepare Fabric Interconnects
- Deploy the Installer Virtual Machine (VM)
- HyperFlex Installation
- Post-Installation Script
- Cluster Expansion
- Additional Installation Options

### Lab outline

- Investigate Software Components of HyperFlex
- Investigate Cisco UCS Parts of HyperFlex
- Investigate VMware vSphere Parts of HyperFlex
- Cisco HyperFlex Installation
- Cisco HyperFlex Expansion
- Cisco HyperFlex Replication, VM Migration and Failover
- Manage Cisco HyperFlex
- Protect Your HyperFlex VMs
- Investigate Stretched Cluster
- Install and Manage Stretched Cluster
- Investigate Hyper-V Cluster
- Cisco Workload Optimization Manager (CWOM)
- Investigate Cisco Intersight
- Investigate HyperFlex Edge
- Operation with HyperFlex Plugin for vSphere