Migrating HyperFlex to Nutanix on Hyperconverged Cisco (MHNHC)

COURSE OVERVIEW
This 3-day course will help you understand and perform the migration to Nutanix on Cisco UCS. The course includes several hands-on labs and instructor demos.

WHO WILL BENEFIT FROM THIS COURSE?
- Data Center Engineers
- Nutanix Engineers and Administrators
- Cisco Server Engineers
- Data Center Architects
- Consulting System Engineers
- Cisco Integrators and Partners

COURSE OBJECTIVES
- Understand Cisco UCS Server Administration
- Describe UCS Manager
- Understand Nutanix Cloud Solutions
- Understand Nutanix Prism Central
- Understand Nutanix AHV concepts
- Use Prism Central to create and monitor cluster networks
- Understand and perform migration of workloads with Nutanix Move

COURSE OUTLINE
Module 1: Cisco UCS Server Installation and Administration
- Section 1: Describing Cisco UCS Server Hardware
- Section 2: Describing Cisco UCS Connectivity
- Section 3: Describing the Cisco HyperFlex HX Data Platform
- Section 4: Configuring Cisco UCS Service Profiles
- Section 5: Configuring Cisco UCS Service Profile Templates
- Section 6: Describing Cisco UCS Policies for Service Profiles
- Section 7: Implementing Cisco Intersight

Module 2: Cisco UCS Operations
- Section 8: Implementing External Authentication Providers
- Section 9: Implementing Key Management on Cisco UCS Manager
- Section 10: Implementing RBAC on Cisco UCS
- Section 11: Implementing Cisco UCS Firmware Updates
- Section 12: Describing the Scripting Options for Cisco UCS Manager
- Section 13: Implementing Monitoring on Cisco UCS Manager

Module 3: Nutanix Prism and Migration
- Section 14: Getting Started with a Nutanix Cluster
- Section 15: Configuring Cluster Networking
- Section 16: Managing Images
- Section 17: Creating Virtual Machines
- Section 18: Managing Virtual Machines
- Section 19: Configuring and Managing Cluster Storage
- Section 20: Migrating Workloads with Nutanix Move

Labs:
- Installation of UCS servers from Service Profile Templates (Instructor Demo)
- Verification of Cisco UCS blades.
- Verification of VMware ESXi and Microsoft Hyper-V based source Virtual Machines for migration
- Installation of Nutanix Cluster on Cisco UCS (Instructor Demo)
- Verification of Nutanix Cluster
- Configuring Nutanix Cluster Networking
- Managing Images with Nutanix
- Creating Virtual Machines in Nutanix
- Managing Virtual Machines in Nutanix
- Configuring and Managing Nutanix Cluster Storage
- Migrating VMs from ESXi and Hyper-V with Nutanix Move

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