CCNA Data Center Prep Boot Camp v6.0 - CCNADCBC (Associate)

Course Details

Course Outline

1. What is a Network - Overview of OSI Model
2. Evolution of the Modern Datacenter
3. Basic Data Center Networking Concepts
4. Review NX-OS Material
5. Review Nexus Product Line
6. VDC and VRF Concepts as a Review
7. Implementing VLANs and Trunks
8. Redundant Switched Topologies
9. Advanced Data Center Networking Concepts
10. Routing Protocols on Nexus Switches
11. Layer 3 First Hop Redundancy
12. AAA on Nexus Switches
13. ACLs on Nexus Switches- Datacenter Storage Basics
14. Storage Options/Types
15. Advanced Data Center Storage
16. Cisco Data Center Network Virtualization
17. Functional Planes of Cisco Nexus Switches I
18. Function of Overlays
19. Virtualization
20. Virtual Switches
21. Cisco Data Center Network Technologies Configuration
22. Cisco FabricPath
23. Unified Port Feature of Cisco Nexus Switches
24. Cisco Unified Fabric
25. Cisco Unified Computing System
26. Data Center Automation and Orchestration
27. Cisco Application-Centric Infrastructure
    o **LABs:**
        - Use the DCICN Lab System
        - Explore the Cisco NX-OS Command Line Interface

- Explore Topology Discovery and Documentation
- Explore the Elements of Virtual Device Contexts
- Implement VLANs and Trunks
- Map a Spanning Tree and Configure Port Channels
- Implement Multilayer Switching
- Configure OSPF
- Configure EIGRP
- Configure HSRP
- Configure AAA and Secure Remote Administration
- Configure ACLs
- Configure VSANs
- Validate FLOGI and FCNS
- Configure Zoning
- Install VMware ESXi on UCS C-Series Rack Server
- Install VMware vCenter Server Appliance
- Install Cisco Virtual Switch Update Manager
- Install Cisco Nexus 1000V with VSUM
- Configure a Port Group in the DVS
- Configure the Cisco Nexus 2000 Fabric Extender
- Install and Configure the Cisco IMC Supervisor
- Navigate the Cisco UCS Manager GUI Interfaces
- Configure Local RBAC
- Configure Pools
- Configure a Service Profile Template
- Configure Cisco NX-OS with APIs
- Explore the Management Information Tree of the Cisco UCS Manager XML API
- Configure Cisco UCS Manager with the Postman REST Plugin for Google Chrome
- Install and Configure User Accounts in Cisco UCS Director
- Add Virtual and Physical Accounts to Cisco UCS Director
- Customize Cisco UCS Director
- Explore Cisco UCS Director Monitoring Capabilities
- Create Policies and VDCs
- Create a Catalog and Provision a VM using the Self-Service Portal
- Explore Cisco UCS Director Built-In Reports
- View Chargeback and Reports