Course Name : CCNA Data Center (640-916)
Course Time : 40 Hrs.
Course Prerequisites : Routing and Switching Professional
Title :

1.0 Cisco Data Center Fundamentals Concepts

1.1 Describe network architectures for the Data Center describe the purpose and functions of various network devices

- 1.1.a LAN
- 1.1.b SAN

1.2 Describe the Modular Approach in Network Design

1.3 Describe the data center core layer

1.4 Describe the data center aggregation layer

1.5 Describe the data center access layer

1.6 Describe the collapse core model

1.7 Describe FabricPath

1.8 Identify key differentiator between DCI and network interconnectivity

1.9 Describe, configure, and verify vPC

1.10 Describe the functionality of and configuration of port channels

1.11 Describe and configure virtual device context (VDC)

1.12 Describe the edge/core layers of the SAN

1.13 Describe the Cisco Nexus product family

1.14 Configure and verify network connectivity

1.15 Identify control and data plane traffic

1.16 Perform initial set up

2.0 Data Center Unified Fabric

2.1 Describe FCoE

2.2 Describe FCoEmultihop

2.3 Describe VIFs

2.4 Describe FEX products

2.5 Perform initial set up

3.0 Storage Networking

3.1 Describe initiator target

3.2 Verify SAN switch operations

3.3 Describe basic SAN connectivity

3.4 Describe the different storage array connectivity

3.5 Verify name server login

3.6 Describe, configure, and verify zoning

3.7 Perform initial set up

3.8 Describe, configure, and verify VSAN

4.0 DC Virtualization

4.1 Describe device Virtualization

4.2 Describe Server Virtualization

4.3 Describe Nexus 1000v
4.4 Verify initial set up and operation for Nexus 1k

5.0 Unified Computing

5.1 Describe and verify discovery operation

5.2 Describe, configure, and verify connectivity

5.3 Perform initial set up
5.4 Describe the key features of UCSM

6.0 Data Center Network Services

6.1 Describe standard ACE features for load balancing

6.2 Describe server load balancing virtual context and HA

6.3 Describe server load balancing management options

6.4 Describe the benefits of Cisco Global Load Balancing Solution

6.5 Describe how the Cisco global load balancing solution integrates with local Cisco load
balancers

6.6 Describe Cisco WAAS needs and advantages in the Data Center.