Introducing Cisco Data Center Networking (DCICN)

Course ID#: 1575-901-ZZ-W

Hours: 35

Course Content

Course Description:

In this course you will be introduced to the three primary technologies that are used in the Cisco data center. Through hands-on labs, you will focus on viewing configurations, but not making configuration changes or creating new topologies. This course is targeted for individuals that will perform only basic configuration tasks.

Topics:

Module 1:
Building a Simple Network
- Functions of Networking.
- Host-to-Host Communications Model.
- Ethernet Connections.
- Ethernet Communications Standards.
- OSI Network Layer Addressing.
- TCP/IP Transport Layer.
- Packet Delivery Process

Module 2:
Switched Network Implementation
- Switching.
- Packet Delivery Process.
- Cisco NX-OS Software.
- Operating Cisco NX-OS Software.
- Implementing VLANs and Trunks.
- Building a Redundant Switched Topology

Module 3:
IP Addressing
- IP Addressing Scheme.
- Transitioning to IPv6.

Module 4:
Routing on the Cisco Nexus Switch
- Packet Delivery Process.
- Routing Process on Cisco Nexus Switches.
- Routing Protocols on Cisco Nexus Switches
- Access Control Lists on Cisco Nexus Switches