

Cisco NCS 6000 System Architecture and Hardware Overview - On Demand

Modality: On Demand

Duration: 2 Hours

CLC: 2 Units

Course Information

About this course:

This course introduces you to the NCS 6000 features and functions by providing a wholistic overview of the system architecture and hardware. You will learn the function of system architecture and hardware components of NCS 6000.

The course will also cover a general system introduction, switch fabric architecture, how data makes its way through the NCS 6000 system, a discussion of the line card architecture, a review of the new optics utilized by the NCS 6000, and a review of the overall system mechanical components.

Duration

The hardware overview is a 2 hours video training comprised of 9 lessons.

Course Objective:

You will have the following skills after completing this course:

- List and describe the major features and benefits of the Cisco NCS 6000 and its associated components
- Describe the physical layout of the NCS 6000 system
- Describe the physical layout and available ports on the NCS 6000 route processors, line cards, and fabric cards
- Describe the features and functions of the NCS 6000 craft interface
- Describe solutions for 10-Gbps, 40-Gbps, and 100-Gbps optics
- Describe the high-level architecture of the single chassis, back-to-back, and multi-chassis switch fabric
- Provide a detailed description of the path that a packet takes through the NCS 6000 from ingress port to egress port

Audience:

- This course is intended for those who are involved with the deployment, operations, and maintenance of the Cisco NCS 6000 Network Convergence System, which may include network professionals including designers, implementation staff, network operations center personnel, and support staff

Prerequisite:

- This course requires No prerequisites

Course Outline:

- Lesson 1: NCS 6000 Platform Overview
- Lesson 2: NCS 6000 Line Cards
- Lesson 3: NCS 6000 Switch Fabric
- Lesson 4: Life of a Packet
- Lesson 5: CPAK Optics
- Lesson 6: NCS 6000 Software Architecture
- Lesson 7: Troubleshooting - OS and Common Hardware
- Lesson 8: Troubleshooting - Data Path
- Lesson 9: NCS 6000 Mechanicals