Learning Services

Network Convergence System 5000 Series Router (NCS5000HW) v1.0

Overview
The Network Convergence System 5000 Series Router (NCS5000HW) version 1.0 Cisco® Training on Demand course focuses on the Cisco Network Convergence System 5000 Series hardware features. You learn about the features and functions of the NCS 5001, 5002, and 5011 routers.

This course provides you with knowledge about the Cisco NCS 5000 Series optical interfaces for 40 and 100 Gigabit Ethernet optics and the NCS 5000 Series architecture and packet flow. Also, you learn about support for dense wavelength division multiplexing (DWDM) optics on the NCS 5001 and NCS 5002 routers and NCS 5000 Series cooling and power systems. In addition, you gain knowledge of the control packet processing and features of Cisco IOS® XR Software Release 6.0.

Duration
The NCS5000HW Training on Demand course consists of 1 module comprising 9 video lessons with more than 2 hours of video instruction, and 3 hands-on lab exercises.

Target Audience
The primary audience for this course is systems engineers and technical support personnel.

Objective
After completing this course, you should be able to:

- Describe the Cisco NCS 5000 Series features and functions
- List and describe the various chassis types and control cards
- Understand additional features specific to the NCS 5000 Series routers
Course Prerequisites

The knowledge and skills recommended before attending this course are as follows:

- General routing concepts and experience working with command-line interface (CLI)-based network devices

Course Outline

- Module 1: Network Convergence System 5000 Series

Labs Outline

This course contains 3 hands-on virtual lab exercises, powered by Cisco Learning Labs and Cisco IOL (Cisco IOS on Linux).

Topology for all labs in the course:

![NCS 5000 Series Diagram]

The labs included in this course are:

- NCS5000HW Lab 1: Identifying Router Hardware from the CLI
- NCS5000HW Lab 2: Environmental Monitoring from the CLI
- NCS5000HW Lab 3: Observing the NCS 5000 Boot Process

Instructor Bio

Ben Parrish has more than 20 years of experience in the networking field, with over 12 of those at Cisco in multiple roles, including supporting the Technical Assistance Center (TAC) for escalations and supporting both enterprise and service provider customers within the Advanced Services organization. Since 2015, Ben has been traveling the world teaching full time, focusing on service provider routing technologies and hardware. In addition to holding a Cisco CCDE® certification, Ben has been a Cisco CCIE® in Routing and Switching for over 10 years.
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