Learning Services

Network Convergence System 5500 Series Router

The Network Convergence System 5500 Series Router course is an instructor-led, lab-based, hands-on course offered by Cisco Learning Services.

This course focuses on the hardware features of the Cisco Network Convergence System (NCS) 5500 Series. It covers the features and functions of the Cisco NCS 5500 Series chassis, hardware architecture, and boot process and features of the 64-bit Cisco IOS XR software.

Duration

Virtual instructor-led training (VILT): 2 days.

Target Audience

This course is designed for technical professionals who need to learn about the NCS 5500 Series hardware.

Targeted roles include:

- Systems engineers
- Technical support personnel
- Channel partners and resellers

Tasks and Features Covered

- Examining the Cisco NCS 5501, 5502, and 5508 routers
- Working with 64-bit Cisco IOS XR
- Installation of Cisco IOS XR packages
- Telemetry
- Cisco IOS XR model-driven programmability

Course content is dynamic and subject to change without notice.
Course Prerequisites

- None

Recommended Prerequisites

Cisco recommends that you have the following prerequisite knowledge and skills:

- Knowledge of general routing concepts
- Experience working with command-line interface (CLI)-based network devices

Course Outline

- Module 1: Cisco NCS 5500 Series Hardware
  - Examining the Cisco NCS 5500 Series Chassis
  - Examining the Cisco NCS 5500 Series Modular Hardware
  - Examining Environmental Monitoring
- Module 2: Cisco IOS XR 64-Bit Architecture and Features
  - Examining the Cisco IOS XR Architecture
  - Examining Cisco IOS XR 64-Bit Features

Lab Outline

- Lab 1: Identifying Router Hardware Using the CLI
- Lab 2: Identifying Optical Hardware Using the CLI
- Lab 3: Environment Monitoring Using the CLI
- Lab 4: Observing the NCS 5500 Boot Process
- Lab 5: Installation of Cisco IOS XR Packages
- Lab 6: Configuring Policy-Driven Telemetry
- Lab 7: Configuring Model-Driven Telemetry
- Lab 8: Model-Driven Programmability

Figure 1. Lab Topology
Registration Email

For more information about schedules and registration for this course, contact aeskt_registration@cisco.com.

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Website Addresses for More Information

For more information, visit the following websites:

- Cisco Learning Services for Cisco products and technologies: http://www.cisco.com/go/cls