

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:



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.

Cisco Capital

Financing to Help You Achieve Your Objectives

Cisco Capital can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. [Learn more.](#)




Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

 Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)