

# Network Convergence System 5500 Series Router (NCS5500HW)

## Description

The **Network Convergence System 5500 Series Router (NCS5500HW)** training focuses on the hardware features of Cisco® Network Convergence System (NCS) 5500 Series routers. You will learn about the features and functions of the Cisco NCS 5500 Series chassis, hardware architecture, boot process, and the 64-bit Cisco Internetwork Operating System (IOS) XR software.

This training also earns you 12 Continuing Education (CE) credits toward recertification.

## How you'll benefit

This training will help you:

- Understand the features and functions within the Cisco NCS 5500 Series of routers
- Install Cisco IOS® XR software packages
- Earn 12 CE credits toward recertification

## Who should enroll

- Systems Engineers
- Technical Support Personnel
- Channel Partners and Resellers

## Technology areas

- Service Provider
- Routing and Switching
- Enterprise Networking

## Objectives

- Describe features and functions of the Cisco NCS 5501, 5502, and 5508 routers
- Install and launch 64-bit Cisco IOS XR software packages within Cisco NCS 5500 routers
- Manage Cisco NCS 5500 routers using Cisco IOS XR model-driven programmability

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## Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Knowledge of general routing concepts
- Experience working with Command-Line Interface (CLI)-based network devices

## Outline

- Cisco NCS 5500 Series Hardware
- Cisco IOS XR 64-Bit Architecture and Features

## Lab Outline

- Identifying Router Hardware Using the CLI
- Identifying Optical Hardware Using the CLI
- Environment Monitoring Using the CLI
- Observing the NCS 5500 Boot Process
- Installation of Cisco IOS XR Packages
- Configuring Policy-Driven Telemetry
- Configuring Model-Driven Telemetry
- Model-Driven Programmability

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## Links

- [Cisco U. Learning Path](#)
- [Cisco Learning Network Store](#)