Supporting Cisco Devices for Field Technicians (FLDTEC)

Description

The **Supporting Cisco Devices for Field Technicians (FLDTEC)** training teaches you knowledge and skills related to on-site replacement of Cisco technologies across routing, switching, data center, unified computing system (UCS), and collaboration platforms. This includes hardware identification, cabling, configuration backup and restoration, and software upgrades/downgrades.

This training prepares you for the 800-150 FLDTEC v1.0 exam. If passed, you earn the Cisco Certified Technician (CCT) Field Technician certification.

How you'll benefit

This training will help you:

- Gain the knowledge you need to maintain on-site Cisco technologies
- Qualify for professional-level job roles in collaboration, data center, and routing and switching
- Prepare for the 800-150 FLDTEC 1.0 exam

Who should enroll

- Field Engineers
- Cisco Virtual Internetworking Support Engineers (VISE)
- Cisco Technical Assistance Center (TAC) Engineers
- High Touch Operations Managers (HTOM)
- Consulting Engineers
- Network Engineers
- Technical Program Managers

Technology areas

- Networking
- Data Center
- Collaboration

Objectives

- Evaluate common network devices, components, and basic functionality
- Describe Cisco hardware families, their roles, and functions in a typical enterprise deployment
- Discover operating systems and command line interface (CLI) commands used to service Cisco products
- Compare common tasks and tools used to support Cisco equipment service tasks in field deployment scenarios
- Identify key tools and processes used when installing Cisco hardware components and devices
- Compare various processes and tools used to support deployment of Cisco software images and device configurations
- Identify the placement of key infrastructure components, common endpoints, and collaboration devices in an enterprise network
- Differentiate between on-premises, cloud, and hybrid collaboration deployment models
- Explain the five main components of Cisco on-premises collaboration deployments, including their functions and key features
- Describe the role of collaboration infrastructure in supporting video endpoints, including Cisco Telepresence Management Suite, Cisco Meeting Server, and Cisco Meeting Management
- Explain how Cisco Webex integrates meetings, team collaboration, and calling features
- Identify the high-level steps for replacing Cisco infrastructure devices, Cisco UCS infrastructure components, and their field replaceable units
- Identify the form factors and field replaceable units found in Cisco Catalyst switches, Cisco ISR, Cisco 8000 Series, and Cisco NCS routers, and Cisco Catalyst Edge platforms
- Identify the interfaces and replaceable components in Cisco Meraki switches as well as follow tasks when replacing the switch itself
- Identify the main product series, field replaceable units, and management platforms for Cisco Secure Firewall devices and Cisco ASR routers
- Identify the high-level steps for replacing Cisco collaboration endpoints and hardware components
- Locate key network devices and their function in a common data center topology
- Indicate which data center components are virtualized in a common data center topology
- Match the UCS devices to their common placement in a customer network
- Match UCS management tools to their common use case
- Identify the high-level steps for replacing Cisco Nexus and MDS switches their field replaceable units
- Identify the configuration steps required in NX-OS when replacing data center network devices
- Summarize the high-level steps for replacing hardware components in UCS B-series, C-series, E-series, and X-series devices
- Differentiate the node replacement process in the Cisco UCS 5108 Blade Server Chassis from the Cisco UCS X9508 Server Chassis

Prerequisites

There are no prerequisites for this training. However, you should have an understanding of the exam topics before taking the exam, including:

- Network Foundations
- Common Service Tasks and Tools
- Cisco Software
- Cisco Infrastructure and Collaboration Architecture
- Cisco Hardware Replacement

- Cisco UCS and Data Center Architecture

These skills can be found in the following Cisco Learning Offerings:

- [Implementing and Administering Cisco Solutions (CCNA)](#)
- [Implementing and Operating Cisco Data Center Core Technologies (DCCOR)](#)
- [Troubleshooting Cisco Data Center Infrastructure (DCIT)](#)

Outline

- Networking Foundations
- Cisco Equipment and Hardware Foundations
- Cisco IOS Software Foundations
- Common Services Tasks & Tools
- Installing Replacement Hardware
- Implementing Cisco Software and Configurations
- Campus Design Considerations
- Cisco Equipment and Hardware
- Service Knowledge and Process
- Cisco UCS & DC Architecture & Management
- Cisco Data Center Hardware Replacement
- Cisco UCS Hardware Replacement

What to expect on the exam

Supporting Cisco Devices for Field Technicians (800-150 FLDTEC) v1.0 is a 120-minute exam associated with the CCT Field Technician certification.

This exam tests your knowledge and skills related to on-site replacement of Cisco technologies across routing, switching, data center, UCS, and collaboration platforms, including:

- Hardware identification
- Cabling
- Configuration backup and restoration
- Software upgrades/downgrades

Links

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