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# Cisco Catalyst Center Foundations (CCFND)

***WHERE GREAT TRAINING  
HAPPENS EVERYDAY!***



## Cisco Catalyst Center Foundations (CCFND)

### Course Duration

5 Days

### Course Price

\$4,395.00

44 CLCs

### Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

### About this Class

The Cisco Catalyst Center Foundations training is designed to expand your knowledge of Cisco Catalyst Center, including its basics, deployment and scalability options, initial configurations, best practices, and integration with Cisco Identity Services Engine (ISE). The training will focus on network automation, network assurance, network security, and network programmability using Cisco Catalyst Center.

Though this training is not related to a specific exam, it is highly encouraged to take this training as an introduction to topics found in the Implementing and Operating Cisco Enterprise Network Core Technologies (350-401 ENCOR) v1.1 exam.



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### How you will benefit

This class will help you:

- Expand your knowledge of Cisco Catalyst Center and networking principles
- Qualify for professional-level networking job roles
- Earn 44 CE credits toward recertification

### Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

### Who Should Attend

The job roles best suited to the material in this course are:

- Network Engineers
- Network Analysts
- Security Engineers
- IT Professionals
- Pre-Sales Engineers

### Prerequisites

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

- Basic understanding of network fundamentals
- Basic familiarity with Cisco ISE
- Basic familiarity with network automation and programmability

## Cisco Catalyst Center Foundations (CCFND)

### Objectives

After taking this course, you should be able to:

- Learn about Cisco Catalyst Center product, intent-based networking, system architecture, and key features and use cases of Cisco Catalyst Center
- Use Cisco Catalyst Center automation (NetOps and SecOps), assurance (AIOps), and platform integration with DevOps in your enterprise network
- Deploy Cisco Catalyst Center based on pre-deployment requirements, and perform first-time setup procedures
- Describe high availability and scalability options for Cisco Catalyst Center, including clustering, link redundancy, and disaster recovery
- Explain Cisco Catalyst Center system settings, basic and advanced automation, device provisioning, and compliance audit procedures
- Configure Cisco Catalyst Center to onboard devices, integrate with ISE, automate device configurations, troubleshoot health of network devices, and track clients
- Describe Cisco SD-Access architecture, including fabric networking, underlay and overlay routing, and fabric node roles, and implement policy-based segmentation with group-based, IP-based, and application policies

## Cisco Catalyst Center Foundations (CCFND)

### Course Outline

- Module 1: Cisco Catalyst Center Overview
- Module 2: Cisco Catalyst Center Deployment
- Module 3: Cisco Catalyst Center High Availability and Scalability
- Module 4: Cisco Catalyst Center System Settings and Operations
- Module 5: Cisco Catalyst Center Inventory, Discovery, and Device Manageability
- Module 6: Cisco Catalyst Center Basic Automation and Provisioning
- Module 7: Cisco Catalyst Center Advanced Automation and Day-0 Onboarding
- Module 8: Cisco Prime Infrastructure to Cisco Catalyst Center Migration
- Module 9: Cisco Catalyst Center Health and Performance Monitoring
- Module 10: Cisco Catalyst Center Assurance Device, Client, and Application Health
- Module 11: Cisco Catalyst Center Issues, Insights, and Trends Monitoring
- Module 12: Cisco Catalyst Center Wireless Networks Monitoring and Troubleshooting
- Module 13: Cisco SD-Access Overview
- Module 14: Cisco Catalyst Center Policies
- Module 15: Cisco Catalyst Center Endpoint Visibility
- Module 16: Cisco Catalyst Center Platform Overview
- Module 17: Cisco Catalyst Center Network and Assurance Automation

## Cisco Catalyst Center Foundations (CCFND)

### Lab Outline

- Lab 1: Integrate Cisco ISE and Cisco Catalyst Center
- Lab 2: Add Network Devices to Cisco Catalyst Center
- Lab 3: Automate Basic Device Configuration Using Cisco Catalyst Center
- Lab 4: Upgrade Network Device using Cisco Catalyst Center
- Lab 5: Automate Network Device Configuration Using a Template
- Lab 6: Onboard a Device Using PnP
- Lab 7: Troubleshoot the Health of Network Devices
- Lab 8: Monitor the Health of Clients and Applications
- Lab 9: Observe Assurance AI Network Analytics
- Lab 10: Monitor Wireless Networks with Advanced Assurance Tools
- Lab 11: Explore Cisco SD-Access Networks
- Lab 12: Deploy SD-Access Group-Based Access Control Policy
- Lab 13: Examine Cisco Catalyst Center APIs
- Lab 14: Examine Cisco Catalyst Center Webhooks
- Lab 15: Deploy IaasC Using Cisco Catalyst Center and Terraform
- Lab 16: Automate Cisco Catalyst Center Assurance Using Ansible