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**WHERE GREAT TRAINING HAPPENS EVERYDAY!**

# Cisco Catalyst Center Foundations (CCFND) v1.0

## Cisco Catalyst Center Foundations (CCFND) v1.0

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.

**How you'll 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 in 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 primary audience for this course is as follows:

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

| **Course Duration** |
| --- |
| 5 days |
| **Course Price** |
| $4,395.00 or 44 CLCs |
| **Methods of Delivery** |
| • Instructor Led |
| • Virtual ILT |
| • On-Site |

**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

**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

**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

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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 IaaC Using Cisco Catalyst Center and Terraform

Lab 16: Automate Cisco Catalyst Center Assurance Using Ansible