Cisco Catalyst Center Foundations (CCFND)

COURSE OVERVIEW

The Cisco Catalyst Center Foundations (CCFND) 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. This training also earns you 44 Continuing Education (CE) credits toward recertification.

WHO WILL BENEFIT FROM THIS COURSE?

- 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

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

- Implementing and Administering Cisco Solutions (CCNA)
- Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR)
- Implementing and Configuring Cisco Identity Services Engine (SISE)
- Developing Applications and Automating Workflows using Cisco Core Platforms (DEVASC)

COURSE OBJECTIVES

- 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

COURSE OUTLINE

- Cisco Catalyst Center Overview
- Cisco Catalyst Center Deployment
- Cisco Catalyst Center High Availability and Scalability
- Cisco Catalyst Center System Settings and Operations
- Cisco Catalyst Center Inventory, Discovery, and Device Manageability
- Cisco Catalyst Center Basic Automation and Provisioning
- Cisco Catalyst Center Advanced Automation and Day-0 Onboarding
- Cisco Prime Infrastructure to Cisco Catalyst Center Migration
- Cisco Catalyst Center Health and Performance Monitoring
- Cisco Catalyst Center Assurance Device, Client, and Application Health
- Cisco Catalyst Center Issues, Insights, and Trends Monitoring
- Cisco Catalyst Center Wireless Networks Monitoring and Troubleshooting
- Cisco SD-Access Overview
- Cisco Catalyst Center Policies
- Cisco Catalyst Center Endpoint Visibility
- Cisco Catalyst Center Platform Overview
- Cisco Catalyst Center Network and Assurance Automation

Lab Outline

- Integrate Cisco ISE and Cisco Catalyst Center
- Add Network Devices to Cisco Catalyst Center
- Automate Basic Device Configuration Using Cisco Catalyst Center
- Upgrade Network Device using Cisco Catalyst Center
- Automate Network Device Configuration Using a Template
- Onboard a Device Using PnP
- Troubleshoot the Health of Network Devices
- Monitor the Health of Clients and Applications
- Observe Assurance AI Network Analytics
- Monitor Wireless Networks with Advanced Assurance Tools
- Explore Cisco SD-Access Networks

- Deploy SD-Access Group-Based Access Control Policy
- Examine Cisco Catalyst Center APIs
- Examine Cisco Catalyst Center Webhooks
- Deploy IaaC Using Cisco Catalyst Center and Terraform
- Automate Cisco Catalyst Center Assurance Using Ansible

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Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team
- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience
- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience
- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

Outstanding Customer Service
- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

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