

Catalyst Center and Catalyst 9K Programmability Integration Fundamentals (CATCPF)

Price: 3395

Duration: 3 days

Delivery Methods: Virtual

Overview

Cisco Catalyst Center (formerly Cisco DNA Center) enables programmable interactions and integrations through APIs (Application Programming Interfaces) and event notifications. This feature allows network administrators and developers to build custom integrations, automate tasks, and enhance network operations within the platform. By leveraging programmability in Catalyst Center, users can extend the functionality of the platform, achieve innovation, business agility, and improved visibility across their network infrastructure by creating custom solutions tailored to their specific needs, driving operational efficiency within their network environments.

CATCPF (Cisco Catalyst Center Programmability Integration Fundamentals) is a 3-day, instructor-led, Cisco Catalyst Center course that will help you to become familiar with programmable infrastructure concepts and integrations that support Catalyst Center and the Cisco Catalyst 9000 Series switch programming. In this course you will learn about production solutions that run on or interact with IOS-XE on the Catalyst 9000 switches and with Software Defined Access fabrics as well.

Who Should Enroll

The primary audience for this course is as follows:

- Network Operations team with SD-Access solution
- Network admin staff that deal with Software Defined Networking
- Network Administrators
- Network Architects
- Network Engineers

COURSE OBJECTIVES

Upon completing this course, the learner will be able to meet these overall objectives:

- Describe what is SDN and Network Programmability
- Understand SD-Access
- Discuss how to apply Cisco Software-Defined Access programmatically
- Understand the Use Cases and Problems Solved with SDN programmability
- Explain an overview of OpenFlow and Network Controllers
- Describe use cases and examples of Catalyst 9000 programmability
- Learn about Python and how it automates the Catalyst 9000
- Understand object-oriented programming
- Explain an overview of Human Interaction DevOps-Style

Learning Path Prerequisites

The knowledge and skills that a learner must have before attending this course are as follows:

- Familiarity with Catalyst 9k Switches
- Familiarity with Catalyst Center (formerly DNA Center) and SD-Access

COURSE OUTLINE

Module 1: Catalyst Center (formerly DNA Center) Introduction

Module 2: Cisco Catalyst 9K Introduction

Module 3: SD-Access Overview

Module 4: Catalyst 9K and Cisco Application Framework

Module 5: Fabric and Non-Fabric Wireless Architecture

Module 6: Catalyst Center Ecosystems Integrations

Module 7: Python Programming

Module 8: Programming Catalyst Center

Module 9: Catalyst 9K EEM Python Module

Module 10: DNA Assurance

Module 11: Data Models & Model Driven Programmability

Module 12: Model Driven Telemetry

Module 13: 3rd Party Integrations

Course Schedule

Date	Time	Price	Options
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