



Understanding Cisco SDA Fundamentals (SDAFND)

Description

Introduction to Cisco SDAFND: Understanding the Basics of Cisco SD-Access

The course “Understanding the Basics of Cisco SDA (SDAFND)” is ideal for those looking to master the deployment and management of enterprise networks through Cisco SD-Access. With a comprehensive approach, you will learn how to automate network management, optimize performance, and enhance security using Cisco DNA Center. This course will guide you through the components of the Cisco SD-Access architecture, and teach you how to integrate them effectively into complex environments.

By participating in this course, you'll have the opportunity to explore SDAFND, work with industry experts, and strengthen your skills in network automation. You will also be guided in using powerful tools like DNA Center, which greatly simplifies network administration and troubleshooting.

Course Content

Module 1: Introduction to Cisco SD-Access

- Introduction to Cisco SD-Access
- Components and roles of Cisco SD-Access

Module 2: Introduction to Cisco DNA Center

- Introduction to Cisco Networking
- Introduction to Cisco DNA Center deployment models
- SD-Access in Cisco DNA Center

Module 3: Exploring Cisco SD-Access Components

- Roles and protocols in Cisco SD-Access
- SD-Access control plane
- SD-Access data plane
- SD-Access policy plane
- Integration of Cisco DNA Center and Cisco ISE

Module 4: Exploring Cisco SD-Access Wireless Architecture

- Introduction to Cisco SD-Access wireless architecture
- Introduction to Cisco SD-Access Legacy Wireless architecture
- Deploying Cisco SD-Access Fabric Enabled Wireless architecture
- Cisco SD-Access – Wireless guest access overview

Module 5: Automating Network Changes with Cisco DNA Center

- Exploring Cisco DNA Center design workflow
- Exploring Cisco DNA Center day 0 integration
- Automating device integration with Cisco Network Plug and Play

Module 6: Deploying Networks with Cisco DNA Center

- Deploying Cisco SD-Access Fabric – Policy window
- Deploying Cisco SD-Access Fabric – Provisioning workflow
- Cisco SD-Access Fusion devices

Module 7: Exploring Cisco DNA Center Assurance

- Components, analytics, and metrics in Cisco DNA Center Assurance
- Health, issues, and time travel in Cisco DNA Center Assurance
- Monitoring network health and performance with Cisco DNA Center Assurance
- Troubleshooting Cisco SD-Access with Cisco DNA Center Assurance

Module 8: Exploring Cisco DNA Center Programmability

- Introduction to Enterprise Network Programmability
- Exploring Cisco DNA Center REST APIs
- Exploring Cisco DNA Center Python libraries
- Introduction to Cisco DNA Center Assurance workflows

Lab / Exercises

- Explore the Cisco DNA Center user interface
- Verify LISP protocol operation in Cisco SD-Access
- Integrate Cisco DNA Center and Cisco ISE
- Provision access points in Cisco DNA Center
- Provision underlying networks with Cisco DNA Center LAN Automation
- Deploy Cisco SD-Access Single Site Fabric
- Discover Cisco DNA Center Assurance
- Interact with Cisco DNA Center Intent APIs using Python

Documentation

- Digital course material included

Participant profiles

- Network Engineers
- System Administrators
- IT Infrastructure Consultants
- Network Architects

Prerequisites

- Basic networking knowledge at CCNP level
- Proficiency with CLI tools on Windows and Linux
- Basic understanding of network automation
- Understanding of SDN concepts

Objectives

- Deploy Cisco SD-Access networks
- Master network automation via Cisco DNA Center
- Leverage SD-Access architecture and components
- Monitor network health with DNA Center Assurance
- Automate device integration
- Interact with Cisco DNA Center Intent APIs

Description

Understanding Cisco SDA Fundamentals (SDAFND) training

Niveau

Fondamental

Classroom Registration Price (CHF)

2610

Virtual Classroom Registration Price (CHF)

2610

Duration (in Days)

3

Reference

SDAFND