
Understanding Cisco SDA Fundamentals (SDAFND) V1.0

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HAPPENS EVERYDAY!***



Understanding Cisco SDA Fundamentals (SDAFND) V1.0

Course Duration

3 days

Course Price

\$2,795.00

28 CLCs

Methods of Delivery

In-Person ILT

Virtual ILT

Onsite ILT

About this Class

The Understanding Cisco SDA Fundamentals (SDAFND) v1.0 course introduces you to Cisco® Software-Defined Access and teaches you, through a combination of lectures and labs, how to implement simple, single-site fabric networks.

You will learn the benefits of leveraging Software-Defined Access in the Cisco-powered Enterprise Campus network. SDAFND will introduce the solution, its architecture and components, and guide you through labs to design and deploy simple Cisco SD-Access networks.



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How you will benefit

This class will help you:

- Deploy Cisco SD-Access networks
- Explain Cisco Software-Designed Access
- Operate, manage, and integrate Cisco DNA Center™
- Prepare for various Cisco certifications: Cisco Certified Specialist–Enterprise Core (ENCOR), and Cisco Certified Specialist–Enterprise Design (ENSLD)

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:

- Field Engineers
- Network Engineers
- Network Administrators
- System Engineers

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Objectives

After taking this course, you should be able to:

- Describe Cisco SD-Access architecture and its components
- Explain Cisco DNA Center deployment models, scaling, and high availability
- Identify Cisco SD-Access fabric protocols and node roles
- Understand the Cisco SD-Access Wireless deployment models
- Automate Day 0 device onboarding with Cisco DNA Center LAN Automation and Network PnP
- Deploy simple Cisco SD-Access fabric networks
- Monitor health and performance of the network with Cisco DNA Center Assurance
- Interact with the Cisco DNA Center Platform Intent APIs

Prerequisites

To fully benefit from this course, you should have the following knowledge and skills:

- CCNP® level core networking knowledge
- Ability to use Windows and Linux CLI tools such as ping, SSH, or running scripts

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Course Outline

Module 1: Introducing Cisco SD-Access

Module 2: Introducing Cisco DNA Center

Module 3: Exploring Cisco SD-Access Solution Components

Module 4: Exploring Cisco SD-Access Wireless Architecture

Module 5: Automating Network Changes with Cisco DNA Center

Module 6: Deploying Fabric Networks with Cisco DNA Center

Module 7: Exploring Cisco DNA Center Assurance

Module 8: Exploring Cisco DNA Center Programmability

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Lab Outline

Lab 1: Explore Cisco DNA Center User Interface

Lab 2: Verify Location Identifier Separation Protocol (LISP) Operation in Cisco SD-Access

Lab 3: Integrate Cisco DNA Center and Cisco Identity Services Engine (Cisco ISE)

Lab 4: Provision Access Points in Cisco DNA Center

Lab 5: Provision Underlay Networks with Cisco DNA Center LAN Automation

Lab 6: Provision Underlay Networks with Cisco DNA Center LAN Automation (cont.)

Lab 7: Deploy Cisco SD-Access Single Site Fabric

Lab 8: Deploy Cisco SD-Access Single Site Fabric (cont.)

Lab 9: Explore Cisco DNA Center Assurance

Lab 10: Cisco DNA Assurance Issues and Guided Remediation

Lab 11: Interact with Cisco DNA Center Intent APIs Using Python