



Understanding Cisco SDA Fundamentals (SDAFND) v1.0

What you'll learn in this course

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.

Course duration

- Instructor-led classroom: 3 days in the classroom with hands-on lab practice
- E-learning: Equivalent of 3 days of instruction and hands-on lab practice

How you'll benefit

This course 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)

Who should enroll

This course is intended for:

- Field engineers
- Network engineers
- Network administrators
- System engineers

Technology areas

- Software-defined access networks

Course details

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

Recommended knowledge and training

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

These are the recommended Cisco offerings that may help you meet these prerequisites:

- Implementing and Administering Cisco Solutions (CCNA®) v1.0
- Implementing Cisco Enterprise Network Core Technologies (ENCOR) v1.1

How to enroll

To enroll in the SDAFND course or explore our larger catalog of courses on Cisco Digital Learning, contact us at <LP email/URL>

Outline

- Introducing Cisco SD-Access
- Introducing Cisco DNA Center
- Exploring Cisco SD-Access Solution Components
- Exploring Cisco SD-Access Wireless Architecture
- Automating Network Changes with Cisco DNA Center
- Deploying Fabric Networks with Cisco DNA Center
- Exploring Cisco DNA Center Assurance
- Exploring Cisco DNA Center Programmability

Lab outline

NOTE: Some of these lab activities are simulations and are marked as such following the name of the lab activity.

- Explore Cisco DNA Center User Interface
- Verify Location Identifier Separation Protocol (LISP) Operation in Cisco SD-Access
- Integrate Cisco DNA Center and Cisco Identity Services Engine (Cisco ISE) [Simulation]
- Provision Access Points in Cisco DNA Center [Simulation]
- Provision Underlay Networks with Cisco DNA Center LAN Automation [Simulation]
- Provision Underlay Networks with Cisco DNA Center LAN Automation (cont.)
- Deploy Cisco SD-Access Single Site Fabric [Simulation]
- Deploy Cisco SD-Access Single Site Fabric (cont.)
- Explore Cisco DNA Center Assurance [Simulation]
- Cisco DNA Assurance Issues and Guided Remediation [Simulation]
- Interact with Cisco DNA Center Intent APIs Using Python

