**Document Generated: 09/12/2026**

**Learning Style: Virtual Classroom**

**Technology: Cisco**

**Difficulty: Beginner**

**Course Duration: 3 Days**

# Understanding Cisco SDA Fundamentals (SDAFND)

## About 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.

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)

## Course Objectives:

- 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

## Audience:

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

## 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

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

- Implementing and Administering Cisco Solutions (CCNA®)
- Implementing Cisco Enterprise Network Core Technologies (ENCOR)

## Course Outline:

**Course 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**

- 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)
- Provision Access Points in Cisco DNA Center
- Provision Underlay Networks with Cisco DNA Center LAN Automation
- Provision Underlay Networks with Cisco DNA Center LAN Automation (cont.)
- Deploy Cisco SD-Access Single Site Fabric
- Deploy Cisco SD-Access Single Site Fabric (cont.)
- Explore Cisco DNA Center Assurance
- Cisco DNA Assurance Issues and Guided Remediation
- Interact with Cisco DNA Center Intent APIs Using Python

## Credly Badge:

**Display your Completion Badge And Get The Recognition You Deserve.**

Add a completion and readiness badge to your Linkedin profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through Credly.

Find Out More or See List Of Badges