

# SDAFND - UNDERSTANDING CISCO SDA FUNDAMENTALS V1.0

Course Code: 860038

The **Understanding Cisco SDA Fundamentals (SDAFND)** 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. The course will also introduce Cisco DNA Center as the single pane of glass for deploying and operating Cisco SD-Access enterprise networks. Students will explore automation, assurance and programmability features of Cisco DNA center both in theory and through practical labs.

This course will help you:

- Deploy Cisco SD-Access networks
- Explain Cisco Software-Designed Access
- Operate, manage, and integrate Cisco DNA Center™

## What You'll Learn

Upon successful completion of 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

## Who Needs to Attend

Anyone involved in the implementation and administration of an SDA solution.

## Prerequisites

Attendees should meet the following prerequisites:

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

Recommended prerequisites:

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VIRTUAL CLASSROOM LIVE

\$3,595 CAD

3 Day

## Virtual Classroom Live Outline

### Introducing Cisco SD-Access

- Cisco SD-Access Overview
- Cisco SD-Access Components and Roles

### Introducing Cisco DNA Center

- Cisco Networking Overview
- Cisco DNA Center Deployment Models Overview
- Cisco SD-Access in Cisco DNA Center

### Exploring Cisco SD-Access Solution Components

- Cisco SD-Access Protocols and Roles
- Cisco SD-Access Control Plane
- Cisco SD-Access Data Plane
- Cisco SD-Access Policy Plane
- Cisco DNA Center and Cisco ISE Integration

### Exploring Cisco SD-Access Wireless Architecture

- Cisco SD-Access Wireless Overview
- Cisco SD-Access - Legacy Wireless Overview
- Deploying Cisco SD-Access - Fabric Enabled Wireless
- Cisco SD-Access - Guest Wireless Access Overview

### Automating Network Changes with Cisco DNA Center

- Exploring Cisco DNA Center Design Workflow
- Exploring Cisco DNA Center Day 0 Onboarding
- Automating Device Onboarding with Cisco Network Plug and Play

### Deploying Fabric Networks with Cisco DNA Center

- Deploying Cisco SD-Access Fabric - Policy Window

- Deploying Cisco SD-Access Fabric - Provision Workflow
- Cisco SD-Access Fusion Devices

### **Exploring Cisco DNA Center Assurance**

- Cisco DNA Center Assurance Components, Analytics and Metrics
- Cisco DNA Center Assurance Health, Issues and Time Travel
- Monitoring Health and Performance with Cisco DNA Center Assurance
- Troubleshooting Cisco SD-Access with Cisco DNA Center Assurance

### **Exploring Cisco DNA Center Programmability**

- Enterprise Network Programmability Overview
- Exploring Cisco DNA Center REST APIs
- Exploring Cisco DNA Center Python Libraries
- Introducing Cisco DNA Center Assurance Workflows

Nov 17 - 19, 2025 | 8:30 AM - 4:30 PM EST

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ON-DEMAND

\$800 CAD

## On-Demand Outline

### Introducing Cisco SD-Access

- Cisco SD-Access Overview
- Cisco SD-Access Components and Roles

### Introducing Cisco DNA Center

- Cisco Networking Overview
- Cisco DNA Center Deployment Models Overview
- Cisco SD-Access in Cisco DNA Center

### Exploring Cisco SD-Access Solution Components

- Cisco SD-Access Protocols and Roles
- Cisco SD-Access Control Plane
- Cisco SD-Access Data Plane
- Cisco SD-Access Policy Plane
- Cisco DNA Center and Cisco ISE Integration

### Exploring Cisco SD-Access Wireless Architecture

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### **Exploring Cisco DNA Center Programmability**

- Enterprise Network Programmability Overview
- Exploring Cisco DNA Center REST APIs
- Exploring Cisco DNA Center Python Libraries
- Introducing Cisco DNA Center Assurance Workflows

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Date created: 7/30/2025 8:42:40 PM

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