

# Cisco Operations and Troubleshooting Bootcamp for SDA



Cisco Training Bootcamps for individuals and small teams

## What you'll learn in this course

The Cisco Operations and Troubleshooting Bootcamp for the SD-Access (Cisco® SDA) 5-Day training course teaches you how the functionality of Cisco® SDA fits into Cisco Digital Network Architecture (Cisco DNA™). Through a combination of lessons and hands-on learning, you will learn about programmable network infrastructure and Cisco SDA fundamentals and practice operating, managing, and integrating Cisco DNA Center. You will learn how Cisco delivers intent-based networking across the campus, branch, WAN, and extended enterprise while ensuring your network is operating as intended.

This course is based on experience with a wide range of production deployments. Therefore, you'll gain real-world knowledge and skills to deploy and manage an SDA fabric and boost operational efficiencies in your own deployment.

In the deep-dive lab session, you will focus on deploying and configuring a fully functional Cisco SDA environment from start to finish and engage in practical management and monitoring as well as troubleshooting exercises.

## Benefits of attending Bootcamp:

### This course will help you:

- Configure an open, software-driven approach that makes the network simpler, more agile, and responsive to business needs
- Leverage the functionality of Cisco DNA Center to streamline operations, reduce costs, detect and contain threats, and continuously align the network to business needs
- Gain the skills and hands-on practice required for quicker application deployment
- Quickly ramp up Cisco SDA operational knowledge and skills and instill best practices honed through real-world production deployments
- Gain hands-on troubleshooting techniques
- Develop confidence in configuring, managing, monitoring, and troubleshooting Cisco SDA environments

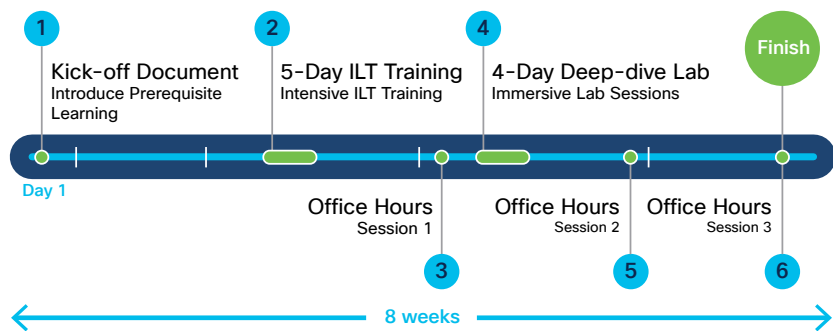
## Prerequisites

Before taking this course, you should have the following knowledge and skills:

- Understanding of network routing and switching principles equivalent to a CCNP® Enterprise level
- Experience with Cisco Unified Wireless Network technologies

## Bootcamp components

- Kick-off document  
Self-study pre-requisite materials provided to help you get a head start and prepare for the training
- 5-day instructor-led training  
In-depth Cisco training, including hands-on labs that focus on the foundational concepts you need to know
- Self-study materials  
To help reinforce the knowledge from the 5-day training and help you prepare for the deep-dive lab
- 4-day instructor-led, deep-dive lab  
Dynamic, hands-on training using end-to-end, deep-dive labs to build your confidence and skills
- Office hours support  
Three 2-hour support sessions conducted using a Webex space



## Technology areas

- Networking

## Continuing Education credits

Your team can earn Cisco [Continuing Education Credits](#) with any Cisco Training Bootcamp and use Cisco Learning Credits toward recertification. The Cisco Training Bootcamp for SDA is worth 40 Continuing Education credits.

## Cancellation Policy

Cancellation of enrollment within 30 days of the course start date will result in a charge of 100% of the listed class price.

### 5-day ILT: Outline

#### Day 1

- Section 1: Introducing Cisco Software-Defined Access
- Section 2: Introducing Cisco DNA Architecture
- Section 3: Cisco DNA Center Design
- Section 4: Cisco DNA Center Inventory
- Section 5: Introducing Cisco DNA Automation
- Section 6: Explore Cisco DNA Center and Automate Network Changes
  - Lab: Explore Cisco DNA Center and Automate Network Changes

#### Day 2

- Section 7: Deploying Cisco Software-Defined Access
- Section 8: Deploy Wired Fabric Networks with Cisco DNA Center
  - Lab: Deploy Wired Fabric Networks with Cisco DNA Center

#### Day 3

- Section 9: Cisco SD-Access for Wireless
- Section 10: Cisco SD-Access for IoT
- Section 11: Deploy Fabric Wireless Network with Cisco DNA Center
  - Lab: Deploy Fabric Wireless Network with Cisco DNA Center

#### Day 4

- Section 12: Migrating to Cisco SD-Access
- Section 13: Cisco SD-Access Multicast
- Section 14: Integrating Cisco DNA Center
- Section 15: Deploy SD-Access Layer 2 Borders and Multicast and Integrate Cisco DNA Center with External Services or Applications
  - Lab: Deploy SD-Access Layer 2 Borders and Multicast and Integrate Cisco DNA Center with External Services or Applications

#### Day 5

- Section 16: Operating and Managing Cisco DNA Infrastructure
- Section 17: Understanding Programmable Network Infrastructure
- Section 18: Test Drive Cisco DNA Center APIs
  - Lab: Test Drive Cisco DNA Center APIs

## Order Bootcamps

To order your team  
Cisco Operations and  
Troubleshooting Bootcamp  
for SDA, contact your BDM  
at [learning-bdm@cisco.com](mailto:learning-bdm@cisco.com).



### 4-day deep-dive lab: Outline

#### Day 1

- Section 1: Cisco SD-Access Overview and Deployment
  - Lab: Deploying Cisco SD-Access

#### Day 2

- Section 2: Introducing Cisco ISE Authentication, Authorization and Accounting (AAA)
- Section 3: Introducing LISP
- Section 4: Introducing Fusion Devices
  - Lab: Troubleshoot Cisco SD-Access

#### Day 3

- Section 5: Fabric Enabled Wireless Refresher
- Section 6: Wireless Endpoint Onboarding and Registration
  - Lab: Troubleshoot Fabric-Enabled Wireless

#### Day 4

- Section 7: Cisco DNA Center Programmability
  - Lab: Troubleshoot Cisco SD-Access with Cisco DNA Assurance and Cisco DNA Center Platform