

## Transforming to a Cisco Intent-Based Network (IBNTRN)

### Transforming to a Cisco Intent-Based Network (IBNTRN)

The Transforming to a Cisco Intent-Based Network (IBNTRN) training teaches you the functionality of Cisco® SD-Access. Through a combination of lessons and hands-on learning, you will practice deploying, operating, and managing SD-Access networks using Cisco Catalyst Center. You will learn how Cisco delivers intent-based networking across the campus, branch, WAN, and extended enterprise and ensures that your network is operating as intended. You will explore Cisco Catalyst Center automation and assurance features, build wired and wireless fabric networks, implement segmentation and guest access, deploy multi-site and multicast services, migrate existing networks to SD-Access, and use Cisco Catalyst Center to troubleshoot common SD-Access issues.

This training also earns you 40 Continuing Education (CE) credits toward recertification.

#### How you'll benefit

This class will help you:

- Gain hands-on experience deploying, operating, and managing Cisco SD-Access networks using Cisco Catalyst Center, including wired, wireless, extended enterprise, and multi-site deployments
- Learn to implement automation and assurance features such as device discovery, network settings automation, network health monitoring, and AI analytics
- Understand and apply micro and macro segmentation, guest wireless access, and integration with Cisco ISE for enhanced network security
- Acquire skills to migrate from traditional networks to SD-Access networks and troubleshoot wired, wireless, and segmentation issues effectively
- Earn 40 CE credits toward recertification

#### Why Attend with Current Technologies CLC

- Our Instructors are in 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 primary audience for this course is as follows:

- Network Administrators
- Network Engineers
- System Engineers
- Technical Architects
- Technical Support Personnel
- Sales Engineers

#### Course Duration

5 days

#### Course Price

\$4,395.00 or 44 CLCs

#### Methods of Delivery

- Instructor Led
- Virtual ILT
- On-Site

## Prerequisites

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

- Understanding of network routing and switching principles equivalent to a CCNP® Enterprise level
- Experience with Cisco wireless technologies
- Experience with Cisco ISE, 802.1x, and Cisco TrustSec
- Understanding of segmentation technologies such as VLANs and Virtual Routing and Forwarding (VRF)
- Basic understanding of overlay technologies such as Virtual Extensible LAN (VXLAN)
- Basic understanding of Locator ID Separation Protocol (LISP)

## OUTLINE

Module 1: Introduction to Cisco Catalyst Center

Module 2: Cisco Catalyst Center SD-Access Automation

Module 3: Cisco Catalyst Center SD-Access Assurance

Module 4: Cisco SD-Access Overview

Module 5: Wired Cisco SD-Access

Module 6: Wireless Cisco SD-Access

Module 7: Cisco SD-Access Extended Enterprise

Module 8: Cisco SD-Access Segmentation

Module 9: Cisco Catalyst Center and Cisco ISE Integration

Module 10: Cisco SD-Access Segmentation Packet Flows

Module 11: Cisco SD-Access Guest Access

Module 12: Cisco SD-Access Migration

Module 13: Cisco SD-Access Multisite

Module 14: Cisco SD-Access Multicast

## LAB OUTLINE

- Lab 1: Discover and Provision Network Devices
- Lab 2: Perform LAN Automation
- Lab 3: Configure Wired Network Fabric Site
- Lab 4: Configure and Verify Host Onboarding
- Lab 5: Configure Wireless Network Fabric
- Lab 6: Configure and Verify Access Point and Host Onboarding

- Lab 7: Configure Cisco SD-Access Extended Enterprise
- Lab 8: Implement Microsegmentation
- Lab 9: Configure Wireless Guest Access
- Lab 10: Migrate Existing Site to Fabric Using Layer 2 Border
- Lab 11: Configure Multisite Fabric
- Lab 12: Configure Multicast