

# Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS)

**Duration:** 40.00 hours (5 days)

**32.5 CPD Hours**

**Rating:** ★ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

This 5-day deep dive training course explores the capabilities of the Cisco Software-Defined Access (SDA) solution. Students will learn how to implement SDA for different solution verticals. It also addresses the details of how to operate and troubleshoot the different capabilities of the underlying solution components.

## About This Course

This 5-day deep dive training course explores the capabilities of the Cisco Software-Defined Access (SDA) solution. Students will learn how to implement SDA for different solution verticals. It also addresses the details of how to operate and troubleshoot the different capabilities of the underlying solution components.

## Who Should Attend

---

The primary audience for this course is as follows:

IT management, to understand how to address key business requirements with greater efficiency and flexibility in network service delivery

IT solution architects, to understand the role that SDA plays in enabling such efficiency and flexibility for network services in the context of IT solution delivery

IT and network security architects, to understand how the integrated capabilities of the SDA solution are used to design and implement network segmentation-based security

IT operations engineers, integrating network and application visibility and root cause analysis into integrated IT case handling workflows

Networking Admin and Operations installing, integrating, configuring and operating Cisco DNA Center, Cisco Identity Services Engine (ISE), and other solution components, in the context of Cisco SDA based network services.

# Learning Outcomes

---

## **Upon successful completion of this course, participants will be able to:**

Upon completing this course, the learner will be able to meet these overall objectives:

Articulate the value of Cisco SDA Use Cases including, for example: saving operational and management cost to maintain and support ever growing network infrastructure; central security policy to comply to regional or global regulatory requirements and enterprise security policy; deliver best-in-class services to end-users; leveraging networking insights and trends to optimize business process and workflows. Some real scenarios such as supporting multi-mode collaboration within shared workspaces in life sciences; accelerating the deployment of “pop-up” sites for emergency medical purposes; creating integrated building management solutions; zero-touch day 0 network turn-up of additional sites, rapid response to network threat and vulnerabilities, and similar.

Describe the technical capabilities of Cisco DNA Center and how they are applied in SDA Use Cases. This includes the lifecycle stages of network device discovery, assigning network devices to sites, network design options, provisioning, software image management, building a fabric, segmentation design, assurance, application policy, etc.

Set up an SDA environment, integrating Cisco Identity Services Engine (ISE) and other solution components as required.

Apply troubleshooting methods, processes, tips to resolve implementation and maintenance issues of the following aspects of the technical solution:

Device Onboarding, including device discovery, Plug-and-Play and LAN Automation

Network design settings, including sites, AAA, SNMP, Syslog, IP address pools, image management, network profiles, and authentication templates

Policies for access control, applications and virtual networks

Provisioning, including template-based provisioning for day 0 and day N operations

Network Segmentation, including the application of Cisco TrustSec security with Scalable Group Tags (SGTs) and Virtual Networks

Assurance to monitor network, endpoint, and applications to ensure best user experience

Integration of ServiceNow for an integrated IT service management lifecycle

Integration of InfoBlox for integrated IPAM

## Additional Course Details

---

Nexus Humans Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward. This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

---

## **Q: What delivery options are available for Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS)?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
- 

## **Q: How many CPD hours does this course provide?**

The 5-day Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

---

## **Q: What is the duration of the Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS) training?**

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

---

## **Q: Do you provide corporate training for Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS)?**

Yes, we provide corporate training, dedicated training, and closed classes for Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

---

## Q: Why choose Nexus Human for Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

---

## Q: Are there any discount codes available?

Yes! Use discount code **PENPALS** when booking your Cisco Software-Defined Access (SDA): Use Case Implementation, Operations, & Troubleshooting (SDAOTS) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

## Nexus Human

### Professional Training & Development

✉ Email: [info@nexushuman.com](mailto:info@nexushuman.com)

🌐 Website: [www.nexushuman.com](http://www.nexushuman.com)

☎ Phone: +353 1 XXX XXXX (Ireland) | +44 20 XXXX XXXX (UK)