Cisco Software-Defined Access Implementation and Troubleshooting (SDAIT)

ID SDAIT   **Price** 3,590.— €(excl. tax)   **Duration** 5 days

Course Overview

The SDAIT course is part of Cisco Black Belt Academy Aligned Content. It belongs to the EN - Cisco DNA Support Stage 3 & Cisco DNA Deployment Stage 2.

Who should attend

- Solution Architects
- Network Designers
- Pre-Sales Engineers
- Technical Marketing Engineers
- Technical Decision Makers
- Network Engineers

Prerequisites

The following list describes the assumed knowledge required to successfully undertake this course:

- Cisco Certified Network Associate (CCNA) certification, or equivalent working experience/knowledge
- Cisco Certified Network Professional Enterprise (CCNP), or equivalent working experience/knowledge
- Working knowledge or experience with Cisco DNA Center
- Working knowledge or experience with Cisco ISE
- Working knowledge or experience with Cisco wireless solutions

Course Objectives

At the conclusion of this course, learners will be able to:

- Discuss the Cisco Software-Defined Access solution and describe the solution components and architecture
- Understand the functions and role of Cisco DNA Center and Cisco ISE, in particular their integration
- Understand Cisco's Intent-Based Networking solution, in particular DNA Automation and Assurance
- Deploy a network segmentation policy using Cisco

Software-Defined Access solutions, namely Cisco TrustSec
- Deploy a Cisco Software-Defined Access solution and connect it to external domains such as data centers and remote/branch offices using IP, Cisco Software- Defined Access and SD-WAN transits
- Deploy Cisco Software-Defined Access wireless in both traditional OTT and fabric operational modes
- Troubleshoot a Cisco Software-Defined Access solution using appropriate CLI and DNA Center tools

Course Content

The Cisco Software-Defined Access Implementation and Troubleshooting (SDAIT) course enables learners to deploy, implement and troubleshoot a Cisco Software-Defined Access solution, based on Cisco DNA Center version 2.3. Learners will deploy wired and wireless access based on Cisco's best practices and configuration guidelines. The course includes both discussion content and a comprehensive set of hands-on labs aimed at preparing learners to becoming proficient at implementing and troubleshooting Software-Defined Access solutions.

Detailed Course Outline

Module 1: Introducing Cisco Software-Defined Access

- Lesson 1: Intent-Based Networking
- Lesson 2: DNA Center Overview
- Lesson 3: Introducing Cisco Software-Defined Access
- Lesson 4: Cisco Software-Defined Access Architecture
- Lesson 5: Fabric Overview
- Lesson 6: Cisco ISE in Cisco Software-Defined Access
- Lesson 7: Deploying Cisco Software-Defined Access

Module 2: Securing Cisco Software-Defined Access Solutions

- Lesson 1: Cisco TrustSec Overview
- Lesson 2: Cisco Software-Defined Access Segmentation & Security
- Lesson 3: Encrypted Traffic Analytics

Module 3: Connecting to External Domains

- Lesson 1: Cisco Software-Defined Access Border
- Lesson 2: Cisco Software-Defined Access Distributed Campus
- Lesson 3: Multi-domain Integration

Module 4: Deploying Cisco Software-Defined Access Wireless

- Lesson 1: Cisco Software-Defined Access Wireless Deployment Models
- Lesson 2: Cisco Next Generation Wireless
- Lesson 3: Wireless Assurance & Automation
- Lesson 4:L Deploying Cisco Software-Defined Access Wireless
- Lesson 5: Deploying Gust Wireless

Module 5: Troubleshooting Cisco Software-Defined Access Networks

- Lesson 1: Troubleshooting Methodology & Tools
- Lesson 2: Troubleshooting Wired Cisco Software-Defined Access
- Lesson 3: Troubleshooting Wireless Cisco Software-Defined Access
- Lesson 4: Troubleshooting External Connectivity

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