Implementing Cisco Secure Access Solutions (SISAS)

Duration: 5 days

Who should attend?

The primary audience for this course is as follows:

1. Network Security Engineers

Prerequisites

This section lists the skills and knowledge that learners must possess to benefit fully from the course. This section includes recommended Cisco learning offerings that the learners may complete to benefit fully from this course, including the following:

1. Cisco Certified Network Associate (CCNA®) certification
2. Cisco Certified Network Associate (CCNA®) Security certification
3. Knowledge of Microsoft Windows operating system

Course Objectives

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

1. Understand Cisco Identity Services Engine architecture and access control capabilities
2. Understand 802.1X architecture, implementation and operation
3. Understand commonly implemented Extensible Authentication Protocols (EAP)
4. Implement Public-Key Infrastructure with ISE
5. Understand the implement Internal and External authentication databases
6. Implement MAC Authentication Bypass
7. Implement identity based authorization policies
8. Understand Cisco TrustSec features
9. Implement Web Authentication and Guest Access
10. Implement ISE Posture service
11. Implement ISE Profiling
12. Understand Bring Your Own Device (BYOD) with ISE
13. Troubleshoot ISE

Course Content

Implementing Cisco Secure Access Solutions (SISAS) v1.0 is a newly created five-day instructor-led training (vILT) course is part of the curriculum path leading to the Cisco Certified Network Professional Security (CCNP© Security) certification. Additionally, it is designed to prepare security engineers with the knowledge and hands-on experience so that they can deploy Cisco's Identity Services Engine and 802.1X secure

network access. The goal of the course is to provide you with foundational knowledge and the capabilities to implement and managed network access security by utilizing Cisco ISE appliance product solution. You will gain hands-on experience with configuring various advance Cisco security solutions for mitigating outside threats and securing devices connecting to the network. At the end of the course, you will be able to reduce the risk to their IT infrastructures and applications using Cisco's ISE appliance feature and provide operational support identity and network access control.