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Learning Style: Virtual Classroom

Provider: Cisco

Difficulty: Intermediate

Course Duration: 5 Days

Implementing Cisco Secure Access Solutions (SISAS)

About this course:

This is a Five-day course. The course will be delivered by an instructor in the form of lectures. Implementing Cisco Secure Access Solutions (SISAS) v1.0 is a recently made course which provides the certification of Cisco Certified Network Professional Security (CCNP Security) towards the end of the course. The course has a proper curriculum which needs to be completed in order to gain the certification. This training course has been devised and designed for those security engineers who have to set up Cisco's Identity Services Engine and 802.1X secure network access. This course is highly suitable for the security engineers to gain the certification because it provides in-depth knowledge and extensive hands-on experience. In this course, students will be taught the foundational techniques with the help of which they will be able to grow and incorporate and regulate network access security through the usage of Cisco ISE appliance product solution. The learners will get the opportunity of gaining hands-on experience in setting up different advance-level Cisco security solutions for dealing with external threats and protecting devices connected to the network. Towards the end of this course, students will get to train in reducing the risk to their IT infrastructures and applications using Cisco's ISE appliance feature, and subsequently provide operational support identity and network access control.

On average, a Cisco Systems Information Security Analyst earns $119,458-$128,778 per annum.

Learning objectives:

The course has the following learning objectives:

- Gaining comprehension of Cisco Identity Services Engine architecture and access control features
- Gaining comprehension of 802.1X architecture, incorporation and functioning
- Gaining comprehension of normally incorporated Extensible Authentication Protocols (EAP) in the system
- Incorporating Public-Key Infrastructure with ISE in the system
- Gaining comprehension and then incorporating the Internal and External authentication databases
- Incorporating authorization regulations on the basis of identity for access
- Incorporating MAC Authentication Bypass
- Gaining comprehension of Cisco TrustSec components
- Incorporating Web Authentication and Guest Access
- Incorporating ISE Posture service
- Incorporating I SE Profiling
- Gaining understanding of Bring Your Own Device (BYOD) with ISE
- Learning to troubleshoot ISE

Audience:

The course has been designed for channel partners/resellers, customers, and employees.

Requirements:

The course requires you to have CCNA Security or valid CCSP prior to the start of the course. Else, any CCIE certification will also work.

Course Outline:

- **Course Introduction**
- **Lab Guide**
- **Threat Mitigation through Identity Services**
- **Cisco ISE Fundamentals**
- **Advance Access Control**
- **Web Authentication and Guest Access**
- **Endpoint Access Control**
- **Troubleshooting Network Access Control**

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