

CISCO CCNP SECURITY

Implementing and Configuring Cisco Identity Services Engine (SISE)

Our Learning Exclusive

- Custom exam prep software and materials
- Exam delivery in classroom with 98% success
- Course specific thinQtank® Learning publications to promote fun exciting learning
- Extended hours of training including immersive hands-on exercises
- WE DO NOT "TEACH THE TEST" We always deliver valuable hands-on experience
- Receive all reading material and study guides when you register
- All courses taught by CCIE expert instructors

Course Duration

- Four days of instructor-led learning
- 60% lecture, 40% hands-on labs

Prerequisites

- Skills and knowledge equivalent to CCNA
- Familiarity with Ethernet and TCP/IP networking
- Knowledge of the Windows operating system
- Knowledge of IOS networking and concepts
- Basics of networking security concepts
- Foundation-level wireless knowledge and skills
- Familiarity with 802.1X and Cisco ASA

Target Audience

- Security and Network Engineer
- Network Designer
- Network Administrator
- Systems and Consulting Systems Engineer
- Technical Solutions Architect
- Installers and implementers Cisco ISE
- End users installing, configuring, and deploy Cisco ISE

Exam Information

- 300-715 – Implementing and Configuring Cisco Identity Services Engine (SISE)

Delivery Methods

- Instructor-Led Training
- Immersive Live-Online Training
- On-Site and Custom Delivery

Exclusive Tools and Learning Package

- Comprehensive video training package
- Virtual builds of all labs and hand-on learning objectives so learners can continue their hands on experience after the completion of the course
- Industry unique training course to achieve multiple certifications in one training camp

Course Overview

thinQtank® Learning is offering a unique four-day training camp for Configuring Cisco Identity Service Engine (SISE). As with all of our Cisco Training Experiences – exams are delivered in the classroom.

This portion of the course is an intensive experience with enhanced hands-on labs that cover all facets of Cisco Identity Services Engine (ISE) version 2.4. The training provides students with the knowledge and skills to enforce security compliance for wired and wireless endpoints and enhance infrastructure security using the Cisco ISE.

In this course, students will learn about the Cisco ISE, a next-generation identity and access control policy platform that provides a single policy plane across the entire organization. The ISE combines multiple services including authentication, authorization, and accounting (AAA) using 802.1X, MAB, web authentication, posture, profiling, device on-boarding, guest services, and VPN access into a single context-aware identity-based platform.

Course Objectives

After taking this course, students should be able to:

- ISE deployment options including node types, personas, and licensing
- Install certificates into ISE using a Windows 2012 Certificate Authority
- Configure Local and Active Directory Based Identity Store and use of Identity Source Sequences
- Configure AAA clients and network device groups
- Implement Policy Sets for Authentication and Authorization
- Deploy EasyConnect as alternative to 802.1X port-based authentication
- Implement 802.1X for wired and wireless networks using the AnyConnect 4.x NAM module, the latest dot1x commands on a catalyst switch, and version 8.4 of the vWLC
- Configure policies to allow MAC Authentication Bypass of endpoints
- Use central web authentication for redirection of legitimate domain users who need to register devices on network using MAC addresses
- Configure guest, self-registration guest access, sponsored guest access
- Configure profiler services in ISE and use newer probes available in IOS switch code 15.x as well as vWLC 8.4 code
- Work with profiling feeds, logical profiles, and building profiling conditions to match network endpoints
- Configure posture assessments using the new Cisco AnyConnect Secure Mobility 4.x posture module
- Configure ISE TACACS+ for Device Admin with Command Authorization
- Configure Cisco ISE to integrate with a 5500-X ASA and a Catalyst Switch for TrustSec and implement end-to-end Security Group Tagging (SGT) and Security Group Access Control (SGACL)
- Maintenance, best practices, and logging

CISCO CCNP SECURITY

Implementing and Configuring Cisco Identity Services Engine (ISE)

SISE Course Topics

1	<ul style="list-style-type: none"> Introducing Cisco ISE Architecture and Deployment Cisco ISE Features and Services Cisco ISE Deployment Models
2	<ul style="list-style-type: none"> Cisco ISE Policy Enforcement Introducing 802.1X and MAB Access: Wired and Wireless Introducing Cisco ISE Identity Management Configuring Cisco ISE Certificate Services Introducing Cisco ISE Policy Sets Configuring Cisco ISE Authentication and Authorization Policy Implementing Third-Party Network Access Device Support Overview of Cisco TrustSec using Cisco ISE Introducing Cisco ISE EasyConnect
3	<ul style="list-style-type: none"> Web Auth and Guest Services Introducing Web Access with Cisco ISE Introducing Cisco ISE Guest Access Components Configuring Guest Access Settings Configuring Portals: Sponsors and Guests
4	<ul style="list-style-type: none"> Cisco ISE Profiler Introducing Cisco ISE Profiler Configuring Cisco ISE Profiling
5	<ul style="list-style-type: none"> Cisco ISE BYOD Introducing the Cisco ISE BYOD Process Describing BYOD Flow Configuring My Devices Portal Settings Configuring Certificates in BYOD Scenarios
6	<ul style="list-style-type: none"> Cisco ISE Endpoint Compliance Introducing Cisco ISE Endpoint Compliance Configuring Client Posture Services and Provisioning in Cisco ISE
7	<ul style="list-style-type: none"> Working with Network Access Devices Configuring TACACS+ for Cisco ISE Device Administration

SISE Labs and Demonstrations

L	<ul style="list-style-type: none"> ISE Familiarization and Certificate Usage Active Directory and Identity Source Sequences Policy Sets, Conditions Studio, and Network Devices Passive Identity 802.1X-Wired Networks - PEAP 802.1X-Wired Networks - EAP-FAST 802.1X-Wireless Networks 802.1X-MAC Authentication Bypass (MAB) Centralized Web Authentication (CWA) Guest Access and Reports Endpoint Profiling and Reports BYOD and My Devices Portal Posture Compliance and Reports Compliance Based VPN Access TACACS+ Device Administration Additional Guest Scenarios Posture Compliance Using the Temporal Agent pxGrid Integration with Firepower TrustSec Security Group Access ISE Distributed Deployment pxGrid Integration with Stealthwatch
---	--

CISCO CCNP SECURITY

Implementing and Configuring Cisco Identity Services Engine (SISE)



thinQtank® Global, Inc. dba thinQtank® Learning P.O. Box 803215, Valencia, CA 91380 USA
Tel 855-TO-THINQ Fax 208-979-0668 www.thinqtanklearning.com

© 2020 thinQtank® Global, Inc. All rights reserved. The product or learning materials are protected by U.S. and intellectual property laws. thinQtank Global, thinQtank Learning and the Q-Man logo are registered trademarks of thinQtank Global, Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

thinQtank Global, Inc. warrants that it will perform these training services in a reasonable manner using generally accepted industry standards and practices. THE EXPRESS WARRANTY SET FORTH IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SERVICES AND DELIVERABLES PROVIDED BY THINQTANK GLOBAL, INC., OR AS TO THE RESULTS WHICH MAY BE OBTAINED THEREFROM. THINQTANK GLOBAL, INC. WILL NOT BE LIABLE FOR ANY THIRD-PARTY SERVICES OR PRODUCTS IDENTIFIED OR REFERRED TO CUSTOMER. All materials provided in this training are copyrighted by thinQtank Global, Inc. ("Learning Materials"). thinQtank Global, Inc. grants the customer of this learning a license to use Learning Materials strictly for the purpose of facilitating such company's internal understanding, utilization and operation of the technology covered herein. Except as set forth expressly in the sentence above, there is no transfer of any intellectual property rights or any other license granted under the terms of this training.