COMPUTER LEARNING CENTRE
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CISCO PARTNER Learning

Training overview

Introduction to 802.1X Operations for Cisco Security Professionals (802.1X)

Description

The **Introduction to 802.1X Operations for Cisco Security Professionals (802.1X)** training shows you how to configure and prepare to deploy Cisco® Identity-Based Networking Services (IBNS) solutions based on Cisco Identity Services Engine (ISE), Cisco Catalyst switches, and Cisco Wireless LAN Controllers. You will learn the fundamentals of the 802.1X protocol and configuration, Cisco IBNS, configuring access for non-supplicant devices, Cisco ISE deployment options, architectural components, considerations with 802.1X, and more. You will also gain hands-on experience configuring 802.1X–based network services using the Cisco Identity Services Engine and a Cisco Catalyst switch.

This training also earns you 18 Continuing Education (CE) credits toward recertification.

How you'll benefit

Thistraining willhelp you:

- Learn about and practice configuring Cisco Identity-Based Networking Services solutions at your own pace
- Build your skills using Cisco IBNS to secure network connectivity and resources
- Earn 18 CE credits toward recertification

Who should enroll

- Security Architects
- Design Engineers
- Network Engineers
- Cisco Integrators and Partners

Technology areas

- Networking
- Security

Objectives

- Describe Cisco IBNS for providing access control to corporate networks
- Describe Extensible Authentication Protocol (EAP) authentication types and methods, and the role of Remote Authentication Dial-In User Service (RADIUS) in EAP communications
- Describe how to configure Cisco Catalyst switches, Cisco Wireless LAN Controllers (WLCs), and Cisco ISE for 802.1X operation
- Describe how to configure access for non-supplicant devices in an 802.1X deployment
- Describe how to plan and deploy Cisco IBNS Networks with Cisco ISE and 802.1X

Prerequisites

Thereareno prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Cisco wireless LAN controllers
- Basic command-line configuration of Cisco Catalyst switches
- Microsoft Windows Server Active Directory

These skills can be found in the following Cisco Learning Offering:

- Implementing and Administering Cisco Solutions (CCNA)

Outline

- Describing Cisco Identity-Based Networking Services
- Describing 802.1X EAP Authentication
- Configuring Devices for 802.1X Operation
- Configuring Access for Non-Supplicant Devices
- Designing Cisco IBNS Networks with Cisco ISE and 802.1X

Lab Outline

- Configure and Test 802.1X Operations