

802.1X (INTRODUCTION TO 802.1X OPERATIONS FOR CISCO SECURITY PROFESSIONALS) 1.0

Objetivo

Introduction to 802.1X Operations for Cisco Security Professionals using IEEE 802.1X is a course designed to provide students with foundational knowledge in the capabilities and functions of the IEEE 802.1X protocol. This course introduces the architecture, components and features of an identity based network designed around the IEEE 802.1X and RADIUS protocols. Students will gain hands-on experience with the environment using a network pre-configured with 802.1X-based network services using the Cisco Identity Services Engine (ISE), Cisco Catalyst switches and Cisco wireless products. Upon completing this course, the learner should be able to meet these overall objectives: Provide students with foundational knowledge in the capabilities and functions of the IEEE 802.1X protocol and the ability to configure the Cisco Identity Services Engine (ISE) for 802.1X operation. The course will introduce the architecture, components, and features of a Cisco TrustSec network designed around the IEEE 802.1X and RADIUS protocols. The student will gain hands-on experience with configuring a network for 802.1X-based network services using the Cisco ISE, Cisco Catalyst switches, and Cisco wireless products.

Público Alvo

Channel Partner / Reseller Customer Employee

Pré-Requisitos

The knowledge and skills that a learner must have before attending this course are as follows: Cisco Certified Network Associate (CCNA). Attendance of Securing Networks with Routers and Switches (SNRS) or equivalent knowledge. Knowledge of Microsoft Windows Server 2008 Active Directory. Knowledge of Cisco Wireless LAN Controllers and Lightweight Access Points. Knowledge of basic command-line configuration of Cisco Catalyst switches.

Carga Horária

24 horas (3 dias).

Conteúdo Programático

- Describe Cisco TrustSec concepts
- Describe IEEE 802.1X concepts, architecture, and requirements for deployment
- Describe how the RADIUS authentication protocol is used for Cisco TrustSec
- Configure Cisco ISE for 802.1X operation
- Describe IEEE 802.1X supplicants for Microsoft, Apple, and Cisco
- Configure IEEE 802.1X for a wired network
- Configure IEEE 802.1X for a wireless network

Describe how to provide secure guest access in a Cisco TrustSec network
Build a high-level design of a Cisco TrustSec network using IEEE 802.1X.