

802.1X

Introduction to 802.1X Operations for Cisco Security Professionals

This course provides participants with the basic knowledge of the functions and capabilities of the IEEE 802.1X protocol. It introduces the architecture, components and features of a network that are required for identity verification in the network using IEEE 802.1X and RADIUS. In practical exercises, participants will gain experience in an IEEE 802.1x-based network consisting of Cisco Catalyst switches, Cisco WLAN components and Cisco Identity Services Engine (ISE).

Course Contents

- 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.

E-Book You will receive the original course documentation from Cisco in English language as a Cisco E-Book. In the Cisco Digital Learning Version, the content of the courseware is integrated into the learning interface instead.

Target Group

The course is aimed at network engineers who want to learn about the possible applications of the IEEE 802.1x protocol.

Prerequisites

The participants should have the knowledge of a CCNA certification and know the security functions of routers and switches. They should also have knowledge of Microsoft Windows Server Active Directory, Cisco WLAN Controller and the basics of command line configuration of Cisco Catalyst switches.

Processing time

approx. 18 hours

This Course in the Web



You can find the up-to-date information and options for ordering under the following link:

www.expertech-training.com/go/CS8X

Reservation

On our Website, you can reserve a course seat for 7 days free of charge and in a non-committal manner. This can also be done by phone under +49 6074/4868-0.

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Cisco Digital Learning

This course is available in the Cisco Digital Learning Library. These recently developed, multi-modal training events include HD videos moderated by lecturers with stored searchable text and subtitles, as well as exercises, labs, and explanatory text and graphics. We provide this offer to you via our myExpertech learning portal. Effective of the activation of the account, access to the courses will be granted for a duration of 6 months. In the case of packet solutions (Cisco Digital Learning Subscriptions), this time period will amount to 12 months.

Cisco Digital Learning	Prices, excl. of V.A.T.
	€ 200

Training	Prices, excl. of V.A.T.
Classes in Germany	3 Days € 2,995
Online Training	3 Days € 2,995
Date/course venue	Course language English
28/07-30/07/25 Online	22/09-24/09/25 Online
04/08-06/08/25 Online	27/10-29/10/25 Online

Status 06/07/2025



Our Training Offer for You:



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