Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0

Category: Networking & Security | **Vendor:** Cisco

Duration: 3.00 hours (1 days) **2.4 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: vILT

Course Overview

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 Catalyst switches, Cisco 9800 LAN Controllers, and Cisco Meraki deployments. You will learn the fundamentals of the 802.1X protocol and configuration, Cisco IBNS, configuring access for non-supplicant devices, architectural components, and considerations with 802.1X.

About This Course

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Who Should Attend

Implementing and Administering Cisco Solutions (CCNA) v2.2

Prerequisites & Entry Requirements

General Prerequisites:

Basic routing and switching knowledge

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Identify Cisco IBNS operation and how 802.1X functions as part of the IBNS solution

Compare the different types of EAP authentication to select the best method for a solution deployment

Configure Cisco Catalyst switches for 802.1X access

Configure Cisco Wireless LAN Controllers for 802.1X access

Configure Meraki devices for 802.1X access

Apply MAB and guest services to integrate devices without direct 802.1X support to the network

Explain network design considerations and troubleshooting for Cisco IBNS

Detailed Course Outline

Introduction to Cisco IBNS

802.1X EAP Authentication

802.1X on Cisco Catalyst Switches

802.1X on Cisco Wireless LAN Controllers

802.1X on Meraki Devices

Network Access for Non-Supplicant Devices

Design Considerations and Troubleshooting for Cisco IBNS Networks

Lab Outline

Configure an 8021.X Supplicant for Tunneled EAP (TEAP)

Configure Cisco Catalyst Switch for IEEE 802.1X

802.1X Configuration on Cisco Wireless LAN Controllers

802.1X Configuration on Meraki Devices

Configure MAC Authentication Bypass on Cisco Network Devices

Troubleshoot Cisco IBNS Networks

Frequently Asked Questions

Q: What delivery options are available for Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0 course provides up to 2.4 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0 training?

The training takes place over 1 day(s), with each day lasting approximately 3.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0?

Yes, we provide corporate training, dedicated training, and closed classes for Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0, Cisco, vILT

Q: Why choose Nexus Human for Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Introduction to 802.1X Operations for Cisco Security Professionals (802.1X) v3.0 training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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