

802.1X - INTRODUCTION TO 802.1X OPERATIONS FOR CISCO SECURITY PROFESSIONALS V3.0

Course Code: 860082

Gain knowledge about Configuring and managing IBNS across Catalyst switches, 9800 Controllers, and Meraki environments.

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-suppliant devices, architectural components, and considerations with 802.1X. This training also earns you 12 Continuing Education (CE) credits toward recertification.

What You'll Learn

After completion of this course, you 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

Who Needs to Attend

This class is intended for the following participants:

- Security Administrators
- Security Consultants
- Network Administrators
- System Engineers
- Technical Support Personnel
- Channel Partners and Resellers

Prerequisites

There are no prerequisites for this training. However, the knowledge and skills you are recommended to have before attending this training are:

- Basic routing and switching knowledge

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



802.1X - INTRODUCTION TO 802.1X OPERATIONS FOR CISCO SECURITY PROFESSIONALS V3.0

Course Code: 860082

CLASSROOM LIVE

\$3,695 CAD

3 Day

Classroom Live Outline

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

Classroom Live Labs

Lab Outline

- Configure an 802.1X 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

802.1X - INTRODUCTION TO 802.1X OPERATIONS FOR CISCO SECURITY PROFESSIONALS V3.0

Course Code: 860082

VIRTUAL CLASSROOM LIVE

\$3,695 CAD

3 Day

Virtual Classroom Live Outline

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

Virtual Classroom Live Labs

Lab Outline

- Configure an 802.1X 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



802.1X - INTRODUCTION TO 802.1X OPERATIONS FOR CISCO SECURITY PROFESSIONALS V3.0

Course Code: 860082

ON-DEMAND

\$800 CAD

On-Demand Outline

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

On-Demand Labs

Lab Outline

- Configure an 802.1X 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

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

Date created: 7/9/2026 4:12:31 AM

Copyright © 2026 Global Knowledge Training LLC. All Rights Reserved.