

C2C

Cisco DoD Comply-to-Connect

40 horas

Profissional

Cisco

Cisco Continuing Education Credits**32 CE Credits**

INTRODUÇÃO

The Cisco DoD Comply-to-Connect (C2C) training teaches you how to implement and deploy a Department of Defense (DoD) Comply-to-Connect network architecture using Cisco Identity Services Engine (ISE). This training covers implementation of 802.1X for both wired and wireless devices and how Cisco ISE uses that information to apply policy control and enforcement. Additionally, other topics like supplicants, non-supplicants, ISE profiler, authentication, authorization, and accounting (AAA) and public key infrastructure (PKI) support, reporting and troubleshooting are covered. Finally, C2C specific use case scenarios are covered.

This training also earns you 32 Continuing Education (CE) credits toward recertification.

How You'll Benefit

This training will help you:

- Learn how to operate, manage, configure, and troubleshoot the Cisco C2C solution
- Gain an understanding of how the Cisco ISE security components relate to the C2C architecture
- Earn 32 CE credits toward recertification

OBJETIVO DO CURSO

- Define DoD C2C, including its steps and alignment with ISE features/functions and Zero Trust
- Describe Cisco Identity-Based Networking Services
- Describe the Cisco Identity Services Engine
- Explain Cisco ISE deployment
- Describe Cisco ISE policy enforcement components
- Describe Cisco ISE policy configuration
- Explain PKI fundamentals, technology, components, roles, and software supplicants
- Describe the Cisco ISE profiler service
- Configure endpoint compliance
- Configure client posture services
- Describe profiling best practices and reporting
- Describe the four main use cases within C2C
- Explain the purpose and the configuration of integrating Cisco ISE with Tenable
- Describe the purpose and benefits of integrating Cisco ISE with MECM
- Describe the purpose and benefits of integrating Cisco ISE with Trellix
- Troubleshoot Cisco ISE policy and third-party NAD support
- Describe Cisco ISE TrustSec configurations
- Configure Cisco ISE device administration

PÚBLICO-ALVO

Network Security Engineers, Network Administrators, Security Administrators

PRÉ-REQUISITOS

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

- Familiarity with 802.1X
- Familiarity with Microsoft Windows Operating Systems
- Familiarity with Cisco IOS CLI for wired and wireless network devices
- Familiarity with Cisco Identity Service Engine

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

- Implementing and Configuring Cisco Identity Services Engine (SISE)

CONTEÚDO PROGRAMÁTICO

Course Outline

- C2C Fundamentals
- Cisco Identity-Based Networking Services
- Introducing Cisco ISE Architecture
- Introducing Cisco ISE Deployment
- Introducing Cisco ISE Policy Enforcement Components
- Introducing Cisco ISE Policy Configuration
- PKI and Advanced Supplicants
- Introducing the Cisco ISE Profiler
- Cisco ISE Endpoint Compliance Services
- Configuring Client Posture Services and Compliance
- Profiling Best Practices and Reporting
- C2C Use Cases
- C2C Third-Party Integrations (Tenable, MECM, Trellix)
- Troubleshooting Cisco ISE Policy and Third-Party NAD Support
- Exploring Cisco TrustSec
- Working with Network Access Devices

Lab Outline

- Initial Configuration and Certificate Usage
- Integrate Cisco ISE with Active Directory
- AAA Policy for MAB and 802.1X
- TEAP on Windows
- Cisco ISE Profiling Configuration
- Cisco ISE Compliance Services
- Client Provisioning
- Posture Policies
- Compliance-Based Access
- Profiling Reports
- Certificate-Based Authentication
- Cisco TrustSec
- TACACS+ Device Administration