Current Technologies
Computer Learning Centers

cisco Partner
Platinum Learning

# Cisco DoD Comply-to-Connect (C2C)

***WHERE GREAT TRAINING HAPPENS EVERYDAY!***

+1 (219) 764-3800
6210 Central Ave, Portage IN
sales@ctclc.com
www.ctclc.com



# Cisco DoD Comply-to-Connect (C2C)

## Course Duration

5 Days

## Course Price

$4595.00
50 CLCs

## Methods of Delivery

In-Person ILT
Virtual ILT
Onsite ILT

## About this Class

In this Cisco DoD Comply-to-Connect (C2C) comprehensive, hands-on course 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.

Students begin by examining Cisco Identity-Based Networking Services and Cisco ISE architecture and deployment models, establishing a strong foundation in how authentication, authorization, and accounting are enforced across wired and wireless networks. The curriculum then advances into policy configuration, PKI and certificate-based authentication, endpoint profiling, and posture compliance, emphasizing how identity, device context, and security posture drive dynamic access decisions.

The course also explores real-world C2C use cases and third-party integrations with platforms such as Tenable, MECM, and Trellix, demonstrating how external security and endpoint intelligence enhances policy enforcement. Cisco TrustSec and TACACS+ device administration modules extend identity-based control into segmentation and infrastructure access management. Extensive hands-on labs reinforce each topic, preparing students to deploy, integrate, and troubleshoot enterprise-grade Cisco ISE and C2C solutions with confidence.

# Cisco DoD Comply-to-Connect (C2C)

## How you will benefit

This class 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
- Leverage Splunk's advanced analytics and reporting capabilities to ensure endpoint compliance, streamline reporting workflows, and meet DoD C2C mandates
- Earn 32 CE credits toward recertification

## Why Attend with Current Technologies CLC

- Our Instructors are the top 10% rated by Cisco
- Our Lab has a dedicated 1 Gig Fiber Connection for our Labs
- Our Labs run up to Date Code for all our courses

## Who Should Attend

The job roles best suited to the material in this course are:

- Network Security Engineers
- Network Administrators
- Security Administrators

## Prerequisites

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

# Cisco DoD Comply-to-Connect (C2C)

## Objectives

After taking this course, you should be able to:

- 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

+1 (219) 764-3800
6210 Central Ave, Portage IN
sales@ctclc.com
www.ctclc.com



# Cisco DoD Comply-to-Connect (C2C)

## Course Outline

Module 1: C2C Fundamentals

Module 2: Cisco Identity-Based Networking Services

Module 3: Introducing Cisco ISE Architecture

Module 4: Introducing Cisco ISE Deployment

Module 5: Introducing Cisco ISE Policy Enforcement Components

Module 6: Introducing Cisco ISE Policy Configuration

Module 7: PKI and Advanced Supplicants

Module 8: Introducing the Cisco ISE Profiler

Module 9: Introducing Cisco ISE Endpoint Compliance Services

Module 10: Configuring Client Posture Services and Compliance

Module 11: Introducing Profiling Best Practices and Reporting

Module 12: C2C Use Cases

Module 13: C2C Splunk Dashboards & Reporting

Module 14: C2C Third-Party Integrations—Tenable

Module 15: C2C Third-Party Integrations—MECM

Module 16: C2C Third-Party Integrations—Trellix

Module 17: Troubleshooting Cisco ISE Policy and Third-Party NAD Support

Module 18: Exploring Cisco TrustSec

Module 19: Working with Network Access Devices

+1 (219) 764-3800
6210 Central Ave, Portage IN
sales@ctclc.com
www.ctclc.com



# Cisco DoD Comply-to-Connect (C2C)

## Lab Outline

- Lab 1: Initial Configuration and Certificate Usage
- Lab 2: Integrate Cisco ISE with Active Directory
- Lab 3: AAA Policy for MAB
- Lab 4: AAA Policy for 802.1X
- Lab 5: TEAP on Windows
- Lab 6: Cisco ISE Profiling Configuration
- Lab 7: Profiling Customization
- Lab 8: Cisco ISE Compliance Services
- Lab 9: Client Provisioning
- Lab 10: Posture Policies
- Lab 11: Compliance-Based Access
- Lab 12: Profiling Reports
- Lab 13: Certificate-Based Authentication for Cisco ISE Administration
- Lab 14: C2C Capstone Discovery
- Lab 15: Cisco ISE to Tenable Integration Simulation
- Lab 16: Cisco ISE to MECM Integration Simulation
- Lab 17: Cisco ISE to Trellix Integration Simulation
- Lab 18: Cisco TrustSec
- Lab 19: TACACS+ Basic Device Administration
- Lab 20: TACACS+ Command Authorization