

## Implementing an Integrated Threat Defense Solution

Course#: SECUR201

Duration: 3 Days

Price: 0.00

### Course Description

The course begins with an analysis of the current cybersecurity landscape and includes details on why networks today need an integrated threat defense architecture. You will integrate and verify proper operation of the key Cisco integrated threat defense products including Cisco Identity Services Engine (ISE), Cisco Stealthwatch, Cisco Firepower NGFW, and Cisco AMP for endpoints. Verification includes the introduction of malware into the network to ensure proper identification, analysis, and quarantine.

### Objectives

- Integration of solution components with existing network services
- Integration of solution components with the pxGrid framework
- Integration of network and endpoint-based malware protection
- Observation of security data flow after introduction of malware

### Audience

This course is designed for technical professionals who need to know how to deploy a Cisco Integrated Threat Defense solution in their network environment.

- Systems and network engineers
- Technical architects
- Technical support personnel
- Channel partners and resellers

### Prerequisites

It is recommended that you have the following knowledge and skills before taking this course.

Technical understanding of TCP/IP networking and network architecture  
Technical understanding of security concepts and protocols  
Familiarity with Cisco ISE, Stealthwatch, Firepower, and AMP is an advantage

## Understanding Networking Fundamentals

### TCP/IP Networking

## **Content**

### Virtual Classroom Live Outline

Module 1: Integrated Threat Defense Introduction

Module 2: ITD Products

Module 3: Identity Services Engine Setup

Module 4: Integration of Stealthwatch with Identity Services Engine

Module 5: Integration of Firepower with Identity Services Engine

Module 6 Integration of Firepower with AMP for Endpoints

### Virtual Classroom Live Labs

Lab 1: Connecting to the Lab Environment

Lab 2: Integrating ISE and Active Directory

Lab 3: ISE and ASA Integration

Lab 4: Configuring pxGrid and Client Certificates

Lab 5: Integrating Stealthwatch with Identity Services Engine