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## Implementing an Integrated Threat Defense Solution

DURATION: 2 DAYS

COURSE CODE: SECUR201

FORMAT: LIVE-VIRTUAL

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### COURSE DESCRIPTION

The Implementing an Integrated Threat Defense Solution (SECUR201) version 1.0 Cisco® Training on Demand course introduces you to Cisco's Integrated Threat Defense solution with a focus on product integration. The skills you learn include integration of solution components with existing network services, integration of solution components with the pxGrid (Platform Exchange Grid) framework, integration of network and endpoint-based malware protection, and observation of security data flow after the introduction of malware.

The course also teaches you how to analyze the current cybersecurity landscape and includes details about why networks today require an integrated threat defense architecture. You learn how to integrate and verify proper operation of the key Cisco integrated threat defense products, including Cisco Identity Services Engine (ISE), Cisco Stealthwatch®, Cisco Firepower® Next Generation Firewall (NGFW), and Cisco Advanced Malware Protection (AMP) for Endpoints. Verification includes the introduction of malware into the network to ensure proper identification, analysis, and quarantine.

### PREREQUISITES

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

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### WHO SHOULD ATTEND

The primary audience for this course is systems and network engineers, technical architects, and technical support and deployment personnel who deploy a Cisco integrated threat defense solution in their network environment.

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### LEARNING OBJECTIVES

Describe the current network security landscape and the Cisco Integrated Threat Defense (ITD) solution

Describe the key components of the ITD solution and their use in the network

Configure the ISE for a baseline of operation in the ITD solution

Configure the integration between the Stealthwatch and ISE platforms

Configure the integration between the Cisco Firepower and ISE platforms

Configure the integration between Cisco Firepower and AMP for Endpoints

## COURSE OUTLINE

1. **Integrated Threat Defense Introduction**
2. **ITD Products**
3. **Identity Services Engine Setup**
4. **Integration of Stealthwatch with Identity Services Engine**
5. **Integration of Firepower with Identity Services Engine**
6. **Integration of Firepower with AMP for Endpoints**
7. **Implementing Network Device Security**

## DISCOVERY LABS

- 1: **Connecting to the Lab Environment**
- 2: **Integrating ISE and Active Directory**
- 3: **Integrating ISE and ASA**
- 4: **Configuring pxGrid and Client Certificates**
- 5: **Integrating Stealthwatch with Identity Services Engine**
- 6: **Integrating NVM with AnyConnect**
- 7: **Integrating Firepower with Identity Services Engine**
- 8: **Integrating AMP for Endpoints with Firepower**