



# Implementing Automation for Cisco Security Solutions (SAUI)

Course ID #: 7000-237-ZZ-Z

Hours: 21

## Course Content

### Course Description:

Implementing Automation for Cisco Security Solutions (SAUI) is a 3-day course which teaches students how to design advanced automated security solutions for your network. Through a combination of lessons and hands-on labs, you will master the use of modern programming concepts, RESTful Application Program Interfaces (APIs), data models, protocols, firewalls, web, Domain Name System (DNS), cloud, email security, and Cisco® Identity Services Engine (ISE) to strengthen cybersecurity for your web services, network, and devices. You will learn to work within the following platforms: Cisco Firepower® Management Center, Cisco Firepower Threat Defense, Cisco ISE, Cisco pxGrid, Cisco Stealthwatch Enterprise, Cisco Stealthwatch Cloud, Cisco Umbrella, Cisco Advanced Malware Protection (AMP), Cisco Threat grid, and Cisco Security Management Appliances. This course will teach you when to use the API for each Cisco security solution to drive network efficiency and reduce complexity.

### At Course Completion:

After completing this course, student will be able to:

- Describe the overall architecture of the Cisco security solutions and how APIs help enable security
- Know how to use Cisco Firepower APIs
- Explain how pxGrid APIs function and their benefits
- Demonstrate what capabilities the Cisco Stealthwatch APIs offer and construct API requests to them for configuration changes and auditing purposes
- Describe the features and benefits of using Cisco Stealthwatch Cloud APIs
- Learn how to use the Cisco Umbrella Investigate API
- Explain the functionality provided by Cisco AMP and its APIs
- Describe how to use Cisco Threat Grid APIs to analyze, search, and dispose of threats

### Prerequisites:

- Basic programming language concepts
- Basic understanding of virtualization
- Ability to use Linux and Command Line Interface (CLI) tools, such as Secure Shell (SSH) and bash
- CCNP level core networking knowledge
- CCNP level security networking knowledge

### Target Student:

- Network engineer
- Systems engineer



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- Wireless engineer
- Consulting systems engineer
- Technical solutions architect
- Network administrator
- Wireless design engineer
- Network manager
- Sales engineer
- Account manager
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## Topics:

**Introducing Cisco Security APIs**

**Consuming Cisco Advanced Malware Protection APIs**

**Using Cisco ISE**

**Using Cisco pxGrid APIs**

**Using Cisco Threat Grid APIs**

**Investigating Cisco Umbrella Security Data Programmatically**

**Exploring Cisco Umbrella Reporting and Enforcement APIs**

**Automating Security with Cisco Firepower APIs**

**Operationalizing Cisco Stealthwatch and the API Capabilities**

**Using Cisco Stealthwatch Cloud APIs**

**Describing Cisco Security Management Appliance APIs**