

## **Implementing Automation for Cisco Security Solutions (SAUI) 1.1**

### **Description**

The **Implementing Automation for Cisco Security Solutions (SAUI)** course teaches you 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.

**Duration:** 24 HRS

### **Prerequisite**

Before enrolling in this course, you should have professional level knowledge in the following areas:

- 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

The following Cisco courses can help you gain the knowledge you need to prepare for this course:

- **Introducing Automation for Cisco Solutions (CSAU)**
- **Implementing and Administering Cisco Solutions (CCNA®)**
- **Implementing and Operating Cisco Security Technologies (SCOR)**

## **Outline**

1. Introducing Cisco Security APIs
2. Consuming Cisco Advanced Malware Protection APIs
3. Using Cisco ISE
4. Using Cisco pxGrid APIs
5. Using Cisco Threat Grid APIs
6. Investigating Cisco Umbrella Security Data Programmatically
7. Exploring Cisco Umbrella Reporting and Enforcement APIs
8. Automating Security with Cisco Firepower APIs
9. Operationalizing Cisco Stealthwatch and the API Capabilities
10. Using Cisco Stealthwatch Cloud APIs
11. Describing Cisco Security Management Appliance APIs