



**Document Generated: 11/05/2024**

**Learning Style: Virtual Classroom**

**Provider: Cisco**

**Difficulty: Intermediate**

**Course Duration: 3 Days**

## **Protecting Against Malware Threats with Cisco AMP for Endpoints (SSFAMP)**

### **About this course:**

The Protecting Against Malware Threats with Cisco AMP for Endpoints (SSFAMP) v5.0 is a 3 day course which shows you how to deploy and use Cisco® AMP for Endpoints, a next-generation endpoint security solution that prevents, detects, and responds to advanced threats. Through expert instruction and hands-on lab exercises, you will learn how to implement and use this powerful solution through a number of step-by-step attack scenarios. You'll learn how to build and manage a Cisco AMP for Endpoints deployment, create policies for endpoint groups, and deploy connectors. You will also analyze malware detections using the tools available in the AMP for Endpoints console.

### **Course Objective:**

Upon completing this course, the learner will be able to meet these overall objectives:

- Identify the key components and methodologies of Cisco Advanced Malware Protection (AMP)
- Recognize the key features and concepts of the AMP for Endpoints product
- Navigate the AMP for Endpoints console interface and perform first-use setup tasks
- Identify and use the primary analysis features of AMP for Endpoints
- Use the AMP for Endpoints tools to analyze a compromised host
- Describe malware terminology and recognize malware categories
- Analyze files and events by using the AMP for Endpoints console and be able to produce threat reports
- Use the AMP for Endpoints tools to analyze a malware attack and a ZeroAccess infection
- Configure and customize AMP for Endpoints to perform malware detection
- Create and configure a policy for AMP-protected endpoints
- Plan, deploy, and troubleshoot an AMP for Endpoints installation
- Describe the AMP Representational State Transfer (REST) API and the fundamentals of its use
- Describe all the features of the Accounts menu for both public and private cloud installation

## **Audience:**

The primary audience for this course is as follows:

- Security administrators
- Security consultants
- Network administrators
- Systems engineers
- Technical support personnel
- Cisco integrators, resellers, and partners

## **Prerequisite:**

The knowledge and skills that a learner should have before attending this course are as follows:

- Technical understanding of TCP/IP networking and network architecture
- Technical understanding of security concepts and protocols

## **Course Outline:**

### **Introduction to Cisco AMP Technologies**

### **AMP for Endpoints Overview and Architecture**

### **Console Interface and Navigation**

## Using AMP for Endpoints

### Detecting an Attacker — A Scenario

### Modern Malware

### Analysis

### Analysis Case Studies

### Outbreak Control

### Endpoint Policies

### AMP REST API

### Accounts

### Lab Outline

- Request Cisco AMP for Endpoints User Account (e-learning version only)
- Accessing AMP for Endpoints
- Attack Scenario
- Attack Analysis
- Analysis Tools and Reporting
- Zbot Analysis
- Outbreak Control
- Endpoint Policies
- Groups and Deployment
- Testing Your Policy Configuration
- REST API
- User Accounts (optional)

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