Deploying Intrusion Detection and Prevention Services with the Cisco Catalyst 6500 IDSM

Length
1 day

Format
Lecture/lab

Track
Design/
Support

Version
1.0

CAT6K

Course Description

As network security threats continue to increase in complexity, multi-gigabit environments and efficient network intrusion security solutions have become critical for maintaining a high level of protection. The Cisco Intrusion Detection Services Module (IDSM-2) works in concert with other Cisco IDS and IPS components to efficiently protect your data infrastructure.

In this course, you will learn how to design and deploy IDSM solutions. You will learn how capture traffic, configure blocking rules, and tune IDS signatures.

Who Should Attend

This course is designed for Systems Engineers and Field Engineers who need to design and implement intrusion detection and prevention services using the IDSM-2.

Recommended Prerequisites

- CCNP certification or equivalent experience
- Familiarity with the architecture of the Catalyst 6500 platform
- Basic familiarity with network security vulnerabilities and protection methods

Related Training

- *Deploying Firewall Services with the Cisco Catalyst 6500 FWSM (CATK-FWSM)*

Learning Objectives

After you complete this course, you will be able to:

- Design and implement intrusion detection and prevention solutions with the Catalyst 6500 IDSM-2
- Explain how to deploy and manage the IDSM-2 in a Catalyst 6500 network
- Explain how to implement advanced intrusion detection and protection services features
- Capture and analyze traffic through the IDSM-2

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Course Outline

Lesson 1: Introduction to the IDSM-2
IP Protocol Stack Review
IDS and IPS Fundamentals
Intrusion Detection Techniques
Overview of the IDSM-2

Lesson 2: Deploying the IDSM-2
Configuring VLANs
Initializing the IDSM-2
Managing Configuration Files
Initial Configuration
Configuring Management Access
Configuring Interfaces
Upgrading Software
Installing License Keys

Lesson 3: Using Advanced Features
Using Blocking
Using Signatures
Using Event Action Rules
Configuring High Availability

Lesson 4: Gathering Evidence
Analyzing Live Traffic
IP Logging

Course Labs

Lab 1: Deploying the IDSM-2
Lab 2: Configuring Advanced Features
Lab 3: Gathering Evidence

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