

McAfee Network Security Platform 10.1 Administration Course

McAfee® Education Services Instructor-led Training

The McAfee® Network Security Platform Administration course from McAfee Education Services is an essential component of implementing a successful intrusion prevention strategy. In hands-on lab sessions, you'll learn how to deploy and configure a McAfee Network Security Platform solution to protect against real-world attacks. You can immediately apply your new skills to improve protection for your business and take full advantage of your investment in your McAfee Network Security Platform.

Audience

System and network administrators, security personnel, auditors, and/or consultants concerned with network and system security should take this course.

Earn up to 32 CPEs after completing this course.*

* Student must self-report for CPE credits. We cannot guarantee any specific quantity, as it is up to the program or certification group to determine what they will or will not accept.

Course Goals

- Plan the deployment
 - Install and configure the McAfee® Network Security Manager
 - Manage users and resources
 - Configure and manage policies
 - Analyze and respond to threats
 - Tune your security policies for maximum effectiveness
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COURSE DESCRIPTION

Agenda at a Glance—8 hours/day

Day 1

- Welcome
- Introduction to McAfee Network Security Platform
- Planning McAfee Network Security Platform Deployment
- Getting Started
- Manager Configuration
- User Management

Day 2

- Administrative Domains
- Sensor Overview
- Basic Sensor Setup
- Advanced Sensor Setup
- Policy Configuration
- Policy Customization
- Virtualization (Sub-Interfaces)

Day 3

- Threat Explorer
- Attack Log
- Denial-of-Service (DoS) Attacks
- Advanced Malware Detection
- Advanced Callback Detection

Day 4

- Inspection Options Policies
 - Web Server Protection
 - Firewall Policy Configuration
 - Policy Tuning
 - Report Generation
 - Operational Status
 - Database Maintenance
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Recommended Pre-Work

It is recommended that students have a working knowledge of Microsoft Windows administration, system administration concepts, a basic understanding of computer security concepts, and a general understanding of internet services.

COURSE DESCRIPTION

Learning Objectives

Welcome

The first module provides an overview of course design, logistics, and helpful resources, as well as the opportunity for the instructor to learn about you and your training expectations.

Introduction to McAfee Network Security Platform

Describe the key features and benefits of the McAfee Network Security Platform solution and how to use McAfee Network Security Manager to enhance security in your organization.

Planning the McAfee Network Security Platform Deployment

Describe deployment planning considerations, such as deployment options and solution requirements.

Getting Started

Describe the purpose and configuration procedures for various McAfee Network Security Platform features and components.

Manager Configuration

Describe the purpose and configuration procedures for various McAfee Network Security Platform features and components.

User Management

Describe how to add and configure users and roles in the McAfee Network Security Manager. You will learn about the purpose of role assignments and how to assign predefined roles, as well as create custom roles. You will also learn how to manage GUI login settings.

Administrative Domains

Describe how to add and configure administrative domains in the McAfee Network Security Manager.

Sensor Overview

Describe the supported sensors, their architecture, and deployment options.

Basic Sensor Setup

Describe how to use the McAfee Network Security Manager interface for basic setup and management.

Advanced Sensor Setup

Describe how to use the McAfee Network Security Manager interface for advanced setup and management.

Policy Configuration

Describe how to configure and manage intrusion prevention systems (IPS) policies.

Policy Customization

Describe how to use the McAfee Network Security Manager interface for basic setup and management.

COURSE DESCRIPTION

Virtualization

Describe the purpose and benefits of virtualization, how to configure different sub-interface types using the McAfee Network Security Manager, and how to assign policies to McAfee Network Security Platform sensor resources.

Threat Explorer

Describe how to use Threat Explorer.

Attack Log

Describe alerts and ignore rules and how to navigate the Attack Log.

DoS Attacks

Describe how to identify DoS attacks and the configuration of DoS options.

Advanced Malware Detection

Describe the McAfee Network Security Platform Advanced Malware features and configuration.

Advanced Callback Detection

Describe the McAfee Network Security Platform Advanced Botnet Detection features and configuration.

Inspection Options Policies

Describe how to identify DoS attacks and the configuration of DoS options.

Web Server Protection

Identify and configure web server protection.

Firewall Policy Configuration

Identify and configure a firewall policy.

Policy Tuning

Describe fundamentals about policy tuning, such its purpose and configuration. You will also learn about noise, false positives, and the importance of monitoring high-volume attacks.

Report Generation

Identify, generate, and interpret report types.

Operational Status

Identify and view the available monitors, and export and generate activity logs.

Database Maintenance

Describe McAfee Network Security Manager database maintenance best practices.

Learn More

To order, or for further information, please email SecurityEducation@mcafee.com.



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