COURSE DESCRIPTION

McAfee Web Gateway Administration

McAfee® Education Services Instructor-Led Training

The McAfee® Web Gateway Administration course from McAfee Education Services provides an in-depth introduction to the tasks crucial to setting up and administering McAfee Web Gateway effectively. The course combines lectures and practical lab exercises, with significant time allocated for hands-on interaction with the McAfee Web Gateway user interface. It provides detailed instructions for the integration of this product.

Course Goals

- Identify the purpose of the solution, as well as its key features.
- Plan the deployment.
- Install and configure solution components.
- Configure rules, rule sets, lists, and related components to meet customer security, performance, and usage requirements.
- Implement controls for administrator access.
- Monitor the solution’s operation and performance.
- Gather information about the solution and generate reports for more detailed analysis.

Agenda at a Glance

Day 1
- Welcome
- Solution Overview
- Planning
- Installation
- System Configuration
- Policy Overview
- Rule, Rule Sets, and List Configuration

Day 2
- McAfee® Global Threat Intelligence and URL Filtering
- Media Type Filtering
- Malware Filtering
- Authentication and Account Management
- Secure Socket Layer (SSL) Scanning

Audience

This course is intended for system and network administrators, security personnel, auditors, and/or consultants.
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Agenda at a Glance

Day 3
- Quota Management and Coaching
- Web Caching, Next Hop Proxies, Progress Pages, and Block Pages
- Cloud Storage Encryption and Decryption (no lab)
- Logging
- Dashboards and Monitoring
- Content Reporting System

Day 4
- Advanced Management
- Basic Troubleshooting
- Web Hybrid Solution (no lab)
- McAfee® Advanced Threat Defense Overview and Integration

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 Outline

Module 1—Welcome
- About the Course
- Acronyms and Terms
- McAfee Community

Module 2—Solution Overview
- Challenges of Effective Web Security
- Key Features

Module 3—Planning
- Planning Considerations

Module 4—Installation
- Installation Considerations

Module 5—System Configuration
- Configuration Considerations

Module 6—Policy Overview
- Policy Overview
- How Rules and Rule Sets Work
- Permissions

Module 7—Rule, Rule Set, and List Configuration
- Review: Filtering Traffic, Transactions, Cycles, and Rule Operation
- Default Rule Sets with Preconfigured Rules
- Rule/Rule Set/List Design

Module 8—McAfee Global Threat Intelligence (McAfee GTI) and URL Filtering
- URL Filtering Overview
- McAfee GTI Overview
- Gateway Anti-Malware Engine Overview
- URL Filter Engine Overview
Module 9—Media Type Filtering
- Media Type Filtering Overview
- Default Enable Opener Rule
- Default Media Type Filtering Rule Set
- McAfee® Data Loss Prevention (McAfee DLP)

Module 10—Malware Filtering
- Anti-Malware Scanning Engines and Behavior
- Configuring Engines
- Malware Filtering Overview
- Rule Construction Overview

Module 11—Authentication and Account Management
- Configuring Authentication Method
- Rule Construction
- Default Authentication Rule Sets
- Administrator Management Overview

Module 12—Secure Socket Layer Scanning
- SSL Scanning Engines
- Certificate Handling
- Configuring SSL
- Rule Sets

Module 13—Quota Management and Coaching
- Coaching
- Configuring Time, Volume, Authorized and Blocking Sessions Engine Settings
- Rule Handling
- Rule Set Handling

Module 14—Web Caching, Next Hop Proxies, Progress Pages, and Block Pages
- Web Caching Overview
- Next Hop Proxies
- Progress Indication and Block Pages Overview
- Basic Components

Module 15—Cloud Storage Encryption and Decryption
- Importing Cloud Storage Encryption Rule Set
- Configuring Cloud Storage Encryption Engines
- Ensuring Secure Communications
- Data Encryption

Module 16—Logging
- Rule-Based Logging Overview
- System Log Files
- User Defined Log Files
- Rule Options
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Module 17—Dashboards and Monitoring
- McAfee® Web Gateway Dashboard Overview
- Alerts and Charts and Tables Tabs
- McAfee® ePolicy Orchestrator® (McAfee ePO™) Software Solution Integration
- Queries Overview

Module 18—McAfee Content Security Reporter
- McAfee® Content Security Reporter Overview
- McAfee Content Security Reporter Integration
- Maintaining McAfee Content Security Reporter

Module 19—Advanced Management
- Central Management Overview
- How It Works
- Configuring and Using Central Management

Module 20—Basic Troubleshooting
- Common Problem Areas
- Performing a Backup and Restore
- Creating a Feedback File
- Troubleshooting Tools

Module 21—Web Hybrid Solution
- Configuring and Using a Web Hybrid Solution
- McAfee® Client Proxy Solution Overview
- Deploying with McAfee ePO Software
- Deploying Outside of McAfee ePO Software
- Configuration Considerations

Module 22—McAfee Advanced Threat Defense Overview and Integration
- Malware Challenges
- McAfee® Advanced Threat Defense Integration
- McAfee Advanced Threat Defense Basic Solution Components and Considerations
- Configuring Rule Sets

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