

Szukolenie: F5 Networks Configuring BIG-IP AFM Advanced Firewall Manager



Cel szkolenia:

This course uses lectures and hands-on exercises to give participants real-time experience in setting up and configuring the **BIG-IP Advanced Firewall Manager** system. Students are introduced to the **AFM** user interface, stepping through various options that demonstrate how AFM is configured to build a network firewall and to detect and protect against DoS (Denial of Service) attacks. Reporting and log facilities are also explained and used in the course labs. Further Firewall functionality and additional DoS facilities for DNS and SIP traffic are discussed.

Audience:

This course is intended for system administrators, network administrators, security administrators, and security architects responsible for installation, setup, configuration, and administration of the **BIG-IP Advanced Firewall Manager (AFM)** system.

Plan szkolenia:

- Setting Up the BIG-IP System
 - Introducing the BIG-IP System
 - Initially Setting Up the BIG-IP System
 - Archiving the BIG-IP Configuration
 - Leveraging F5 Support Resources and Tools
- AFM Overview and Network Firewall
 - AFM Overview
 - AFM Release History
 - AFM Availability
 - What do you see?
 - Terminology
 - Network Firewall
 - AFM Contexts
 - AFM Modes
 - AFM Packet Processing
 - AFM Rules and Direction

- Rules Contexts and Processing
- Configuring Network Firewall
- Network Firewall Rules
- Geolocation
- Redundant and Conflicting Rules
- Stale Rules
- Lists and Schedules
- Rule Lists
- Address Lists
- Port Lists
- Schedules
- Policies
- Policy Status and Firewall Policy Management
- Inline Rule Editor
- Logs
 - Event Logs
 - Logging Profiles
 - Log Throttling
 - Traffic Flow Statistics
 - Logging and Logging Profiles
 - BIG-IP Logging Mechanisms
 - Publisher
 - Log Destination
 - Custom Search
 - Logging Global Rule Events
 - Log Configuration Changes
 - QKView
 - Other Log Files
 - SNMP MIB
 - SNMP Traps
- IP Intelligence
 - Overview
 - Architecture
 - Feature 1 Dynamic Black and White Lists
 - Black List Categories
 - Feed Lists

- IP Intelligence Policies
- IP Intelligence Log Profile
- IP Intelligence Reporting
- Troubleshooting IP Intelligence Lists
- Feature 2 IP Intelligence Database
- Licensing
- Installation
- Configuration
- Troubleshooting
- IP Intelligence
- Device DoS
 - Policies
 - Policy Status and Firewall Policy Management
 - Inline Rule Editor
- Reports
 - Reports
 - Reporting
 - General Reporting Facilities
 - Charts
 - Details
 - Report Export
 - Network Screens
 - DoS Screens
 - Settings
 - Overview
 - Summary
 - Widgets
 - Time Periods, Settings, Export, and Delete Options
 - Firewall Manager
- DoS White Lists
 - White Lists
 - Configuration
 - tmsh
- DoS Sweep Flood Protection
 - Sweep Flood
 - Configuration

- IP Intelligence Shun
 - IP Intelligence Shun
 - Manual
 - Dynamic
 - IP Intelligence Policy
 - tmsh
 - Troubleshooting
- DNS Firewall
 - DNS Firewall
 - DNS Query
 - DNS Opcodes
 - Troubleshooting
- DNS DoS
 - DNS DoS
 - DoS Protection Profile
 - Device DoS
- SIP DoS
 - Session Initiation Protocol (SIP)
 - Transactions and Dialogs
 - SIP DoS
 - DoS Protection Profile
 - Device DoS
 - SIP iRules
- Network Firewall iRules
 - Network Firewall iRules
 - iRule Events
 - Use Cases
 - Recommended Practice
 - More Information
- DoS iRules
 - DoS iRules
 - iRule Events
 - Use Cases
 - More Information
- Additional Training and Certification
 - Getting Started Series Web-Based Training

- F5 Instructor Led Training Curriculum
- F5 Professional Certification Program

Wymagania:

Before attending the Troubleshooting, ASM, DNS, APM, AAM, AFM, VIPRION or iRules courses is mandatory:

- to take part in the BIG-IP Admin or LTM course
- or possession of F5-CA or F5-CTS LTM certification
- or pass special assessment test with score 70% or greater.

To take assessment test:

Step 1: get an account on F5 University <https://university.f5.com>

Step 2: goto My Training and find Administering BIG-IP Course Equivalency Assessment

Take the test. Pass mark is 70%

Step 3: take a screen shot as proof of results

If this prerequisite is not met, F5 Networks have the right to refuse entry to the class.

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by F5 Networks (course completion).

Prowadzący:

Certified F5 Networks Trainer.