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

**FORMA SZKOLENIA**  
**MATERIAŁY SZKOLENIOWE**  
**CENA**  
**CZAS TRWANIA**

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* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

**LOKALIZACJE**

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00  
Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

**DOSTĘPNE TERMINY**

2020-11-09  | 2 dni  | TRYB ZDALNY  
2020-11-09  | 2 dni  | Virtual Classroom  
2020-11-09  | 2 dni  | Warszawa  
2020-11-09  | 2 dni  | Warszawa

**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.

**Course is based on the system version v14.**

**Plan szkolenia:**

- Setting Up the BIG-IP System

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Compendium Centrum Edukacyjne Spółka z o.o.  
ul. Tatarska 5, 30-103 Kraków, tel.: (12) 298 47 77  
ul. Bielska 17, 02-394 Warszawa, tel.: (22) 417 41 70  
Alior Bank Spółka Akcyjna  
Oddział w Krakowie  
Nr konta: 19 2490 0005 0000 4530 5733 7313  
www.compendium.pl  
strona 1 z 6
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:

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