## FORMA SZKOLENIA

<table>
<thead>
<tr>
<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
<th>CZAS TRWANIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tradycyjne</td>
<td>8700 PLN NETTO*</td>
<td>2 dni</td>
</tr>
<tr>
<td>Tablet CTAB</td>
<td>9100 PLN NETTO*</td>
<td>2 dni</td>
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<tr>
<td>Tradycyjne</td>
<td>8700 PLN NETTO*</td>
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<td>Tablet CTAB</td>
<td>8700 PLN NETTO*</td>
<td>2 dni</td>
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</tbody>
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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

<table>
<thead>
<tr>
<th>Data</th>
<th>Ilość dni</th>
<th>Lokalizacja</th>
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<tr>
<td>2019-09-23</td>
<td>2 dni</td>
<td>Warszawa</td>
</tr>
<tr>
<td>2019-09-23</td>
<td>2 dni</td>
<td>Warszawa (Promocja)</td>
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<tr>
<td>2019-11-12</td>
<td>2 dni</td>
<td>Kraków</td>
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<tr>
<td>2019-11-12</td>
<td>2 dni</td>
<td>Kraków (Promocja)</td>
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## 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
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.