**Szkolenie: F5 Networks**

**Configuring BIG-IP LTM Local Traffic Manager**

<table>
<thead>
<tr>
<th>FORMA SZKOLENIA</th>
<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
<th>CZAS TRWANIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stacjonarne</td>
<td>Tradycyjne</td>
<td>13100 PLN NETTO*</td>
<td>3 dni</td>
</tr>
<tr>
<td>Stacjonarne</td>
<td>Tablet CTAB</td>
<td>13500 PLN NETTO*</td>
<td>3 dni</td>
</tr>
<tr>
<td>Metoda dlearning</td>
<td>Tradycyjne</td>
<td>13100 PLN NETTO*</td>
<td>3 dni</td>
</tr>
<tr>
<td>Metoda dlearning</td>
<td>Tablet CTAB</td>
<td>13100 PLN NETTO*</td>
<td>3 dni</td>
</tr>
</tbody>
</table>

*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>Długość</th>
<th>Miasto</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020-02-17</td>
<td>3 dni</td>
<td>Warszawa</td>
</tr>
<tr>
<td>2020-02-17</td>
<td>3 dni</td>
<td>Warszawa</td>
</tr>
<tr>
<td>2020-05-04</td>
<td>3 dni</td>
<td>Kraków</td>
</tr>
<tr>
<td>2020-05-04</td>
<td>3 dni</td>
<td>Kraków</td>
</tr>
</tbody>
</table>

**Cel szkolenia:**

This course gives network professionals a functional understanding of BIG-IP Local Traffic Manager (LTM), introducing students to both commonly used and advanced LTM features. Incorporating lecture, extensive hands-on labs, and classroom discussion, the course helps students build the well-rounded skill set needed to manage BIG-IP LTM systems as part of a flexible and high performance application delivery network.

By the end of this course, the student should be able to use both the Configuration utility, TMSH, and Linux commands to configure and manage BIG-IP LTM systems in an application delivery network. In addition, students should be able to monitor the BIG-IP system to achieve operational efficiency, and establish and maintain high availability infrastructure for critical business applications.

**Audience:**

This course is intended for network operators, network administrators, network engineers, network architects, security administrators, and security architects responsible for installation, setup, configuration, and administration of the BIG-IP LTM 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

- Reviewing Local Traffic Configuration
  - Reviewing Nodes, Pools, and Virtual Servers
  - Reviewing Address Translation
  - Reviewing Routing Assumptions
  - Reviewing Application Health Monitoring
  - Reviewing Traffic Behavior Modification with Profiles
  - Reviewing the TMOS Shell (TMSH)
  - Reviewing Managing BIG-IP Configuration Data

- Load Balancing Traffic with LTM
  - Exploring Dynamic Load Balancing Options
  - Using Priority Group Activation and Fallback Host
  - Comparing Member and Node Load Balancing

- Modifying Traffic Behavior with Persistence
  - Reviewing Persistence
  - Introducing SSL Persistence
  - Introducing SIP Persistence
  - Introducing Universal Persistence
  - Introducing Destination Address Affinity Persistence
  - Using Match Across Options for Persistence

- Monitoring Application Health
  - Differentiating Monitor Types
  - Customizing the HTTP Monitor
  - Monitoring an Alias Address and Port
  - Monitoring a Path vs. Monitoring a Device
  - Managing Multiple Monitors
  - Using Application Check Monitors
  - Using Manual Resume

- Processing Traffic with Virtual Servers
  - Virtual Servers Concepts
- Path Load Balancing
- Introducing Auto Last Hop

- Processing Traffic with SNATs
  - Overview of SNATs
  - SNAT Automap
  - SNAT Pools
  - SNATs as Listeners
  - SNAT Specificity
  - VIP Bounceback
  - Additional SNAT Options
  - Network Packet Processing

- Configuring High Availability
  - Sync-Failover Group Concepts
  - Synchronization, State and Failover
  - Traffic Group Concepts
  - N+1 Concepts

- Configuring High Availability Part 2
  - Failover Triggers and Detection
  - Stateful Failover
  - Device Group Communication
  - Sync-Only Device Groups

- Modifying Traffic with Profiles
  - Profiles Review
  - Common Protocol Profile Types and Settings
  - TCP Express Optimization
  - Performance Improvements
  - Configuring and Using Profiles
  - HTTP Profile Options
  - OneConnect
  - HTTP Compression
  - HTTP Caching
  - Stream Profiles
  - F5 Acceleration Technologies
  - Analytics

- Selected Topics
  - VLAN, VLAN Tagging, and Trunking
Restricting Network Access
SNMP Features
Internet Protocol Version 6 (IPv6)
Route Domains

Deploying Application Services with iApps
  Simplifying Application Deployment with iApps
  Using iApps Templates
  Deploying an Application Service
  Reconfiguring an Application Service
  Leveraging the iApps Ecosystem on DevCentral

Customizing Application Delivery with iRules and Local Traffic Policies
  Getting Started with iRules
  Triggering an iRule
  Introducing iRule Constructs
  Leveraging the DevCentral Ecosystem
  Deploying and Testing iRules
  Getting Started with Local Traffic Policies
  Specifying Requires and Controls
  Constructing and Managing Rules

Final Lab Project
  Lab Project Options

Additional Training and Certification
  Getting Started Series Web-Based Training
  F5 Instructor Led Training Curriculum
  F5 Professional Certification Program

Wymagania:

Before attending the LTM course is mandatory:
  to take part in the BIG-IP Admin course
  or possession of F5-CA 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).

This course also will help to prepare you for the F5 Networks LTM Specialist certification (F5-CTS) exams Exam 301a - LTM Specialist: Architect, Setup, and Deploy and Exam 301b - LTM Specialist: Maintain and Troubleshoot, which is available through the Pearson VUE test centers.

Prowadzący:

Certified F5 Networks Trainer.