



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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# Troubleshooting BIG-IP v.16.1

<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
F5N_BIG-TRBL-INT2	2 (den)	Kč 39,000.00

## Description

Kurz seznámí účastníky s řadou technik, pomocí kterých lze řešit problémy vznikající při provozu systému BIG-IP, pomocí systémových nástrojů. Tento kurz zahrnuje přednášky, laby a diskuse.

Během tohoto kurzu budete mít přístup k prostředí využívající BIG-IP, s typickou architekturou Internal-External VLAN s backend servery (server HTTP, HTTPS, SSH, FTP atd.). V rámci cvičení budete licencovat BIG-IP, nastavovat VLANy a vytvářet Pooly, virtuální Servery, a odstraňovat problémy.

Budete mít příležitost procvičit si odstraňování a řešení problémů pomocí BIG-IP metodiky a nástrojů, které jste se naučili.

**S ohledem na pokročilý obsah školení důrazně doporučujeme předchozí absolvování kurzu „F5 LTM Configuring“, nebo znalost pokročilé konfigurace F5 modulu LTM (např. globální SNAT, Forwarding VS, Transparentní VS, a jiné)**

## Cíle

- Configuration Project
- Troubleshooting Methodology
- F5 Support
- Troubleshooting - Bottom to Top
- Troubleshooting Tools
- Using System Logs

## Určeno pro

This course assumes that you have successfully completed the Administering BIG-IP course, or equivalent, and have hands-on experience working in a production BIG-IP environment for several months.

You should have a solid understanding of the environment in which the BIG-IP is deployed.

This course is meant for BIG-IP administrators, network engineers, applications engineers, etc., who will be responsible for troubleshooting problems associated with their BIG-IP system.

## Vstupní znalosti

Students must complete one of the following F5 prerequisites before attending this course:

- Administering BIG-IP instructor-led course
- F5 Certified BIG-IP Administrator

The following free web-based training courses, although optional, will be very helpful for any student with limited BIG-IP administration and configuration experience.

These courses are available at F5 University (<http://university.f5.com>):

- Getting Started with BIG-IP web-based training
- Getting Started with BIG-IP Local Traffic Manager (LTM) web-based training

The following general network technology knowledge and experience are recommended before attending any F5 Global Training Services instructor-led course:

- OSI model encapsulation
- Routing and switching
- Ethernet and ARP
- TCP/IP concepts
- IP addressing and subnetting
- NAT and private IP addressing
- Default gateway
- Network firewalls
- LAN vs. WAN

The following course-specific knowledge and experience is suggested before attending this course: • HTTP, HTTPS, FTP and SSH protocols.

## Program

- Chapter 1: Setting Up the BIG-IP System
  - Introducing the BIG-IP System
  - Initially Setting Up the BIG-IP System
  - Archiving the BIG-IP System Configuration
- Chapter 2: Reviewing Local Traffic Configuration
  - Reviewing Nodes, Pools, and Virtual Servers
  - Reviewing Address Translation
  - Reviewing Routing Assumptions
  - Reviewing Application Health Monitoring
- Chapter 3: Troubleshooting Methodology
  - Step-By-Step Process
  - Step 1: State the Problem
  - Step 2: Specify the Problem
  - Step 3: Map the System
  - Step 4: Develop Possible Causes
  - Step 5: Test Theories
  - Step 6: Iterate Until Root Cause Identified
  - Documenting a Problem
  - Putting Troubleshooting Steps to Use
- Chapter 4: Working with F5 Support
  - Leveraging F5 Support Resources
  - AskF5.com
  - DevCentral
  - iHealth
  - Leveraging F5 Labs
  - Working with F5 Technical Support
  - Running End User Diagnostics (EUD) - Hardware Only
  - New Platform Diagnostic Tools
  - Always-On Management (AOM) Subsystem
  - Requesting Return Materials Authorization
  - F5's Software Version Policy
  - Managing the BIG-IP License for Upgrades
  - Managing BIG-IP Disk Space
  - Upgrading BIG-IP Software
- Chapter 5: Troubleshooting – Bottom to Top
  - Introducing Differences between BIG-IP and LINUX Tools
  - Troubleshooting with Layer 1/Layer 2 Tools
  - Troubleshooting with Layer 2/Layer 3 Tools
  - Troubleshooting with Layer 3 Tools
  - Troubleshooting Network Communication
  - Troubleshooting Memory and CPU
  - Troubleshooting with watch
  - Troubleshooting with Additional tmsh commands
- Chapter 6: Troubleshooting Tools
  - tcpdump
  - Wireshark
  - ssldump
  - Fiddler
  - diff
  - KDiff3
  - cURL
- Chapter 7: Using System Logs
  - Configuring Logging
  - Log Files
  - Understanding BIG-IP Daemons Functions
  - Triggering an iRule
  - Deploying and Testing iRules
  - Application Visibility and Reporting
- Chapter 8: Troubleshooting Lab Projects • Network Configurations for Project

## Termíny školení

Datum	Místo konání	Časové pásmo	Jazyk	Typ	Garance termínu	CENA
26 Sep 2022	Praha	CEDT	English	Classroom		Kč 39,000.00
26 Sep 2022	Virtual Classroom	CEDT	English	Instructor Led Online		Kč 39,000.00
12 Dec 2022	Praha	CET	English	Classroom		Kč 39,000.00
12 Dec 2022	Virtual Classroom	CET	English	Instructor Led Online		Kč 39,000.00

## Dodatečné informace

Školení je možné zajistit na míru. Kontaktujte nás pro bližší informace.