Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Troubleshooting BIG-IP

Kód:	DÉLKA:	CENA:
F5N_BIG-TRBL-INT2	16 Hours (2 DENNÍ)	Kč bez DPH 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 licensovat BIG-IP, nastavovat VLANy a vytvářet Pooly, virtualní 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
▪ Reviewing Traffic Behavior Modification with Profiles
▪ Reviewing the TMOS Shell (TMSH)
▪ Reviewing Managing BIG-IP Configuration Data
▪ Reviewing High Availability (HA)
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
06 Oct 2026	Praha	CEDT	Čeština	Classroom		Kč bez DPH 39,000.00
06 Oct 2026	Virtual Classroom	CEDT	Čeština	Instructor Led Online		Kč bez DPH 39,000.00

Dodatečné informace

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