



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 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 tmsch 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

Termíny školení na vyžádání, [kontaktujte nás prosím](#)

Dodatečné informace

Školení je možné zajistit na míru. [Kontaktujte nás pro bližší informace.](#)