



Enterprise Computing Solutions - Education Services

NABÍDKA ŠKOLENÍ

Prosím kontaktujte nás zde

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Configuring BIG-IP LTM: Local Traffic Manager

| Kód: | DÉLKA: | CENA: |
|-------------------|--------------------|----------------------|
| F5N_BIG-LTM-CFG-3 | 24 Hours (3 DENNÍ) | Kč bez DPH 52,000.00 |

Description

Tento kurz seznámí síťové specialisty s fungováním systému BIG-IP® Local Traffic Manager. Naučíte se od běžných po pokročilé funkce BIG-IP LTM. Získáte dovednosti potřebné pro správu systémů BIG-IP LTM, flexibilní a vysoce výkonné sítě pro poskytování aplikací. Součástí školení s lektorem jsou rozsáhlé praktické laby a diskuse k tématům.

Cíle

- BIG-IP initial setup (licensing, provisioning, and network configuration)
- A review of BIG-IP local traffic configuration objects
- Using dynamic load balancing methods
- Modifying traffic behavior with persistence (including SSL, SIP, universal, and destination address affinity persistence)
- Monitoring application health with Layer 3, Layer 4, and Layer 7 monitors (including transparent, scripted, and external monitors)
- Processing traffic with virtual servers (including network, forwarding, and reject virtual servers)
- Processing traffic with SNATs (including SNAT pools and SNATs as listeners)
- Modifying traffic behavior with profiles (including TCP profiles, advanced HTTP profile options, caching, compression, and OneConnect profiles)
- Advanced BIG-IP LTM configuration options (including VLAN tagging and trunking, SNMP features, packet filters, and route domains)
- Deploying application services with iApps
- Customizing application delivery with iRules and local traffic policies
- Securing application delivery using BIG-IP LTM

Určeno pro

This course is intended for system and network administrators responsible for installation, setup, configuration, and administration of the BIG-IP LTM system.

Vstupní znalosti

Students are required to 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 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:

- Web application delivery
- HTTP, HTTPS, FTP and SSH protocols
- TLS/SSL

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 Configuration
 - Leveraging F5 Support Resources and Tools
- 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
- Chapter 3: Load Balancing Traffic with LTM
 - Exploring Load Balancing Options
 - Using Priority Group Activation and Fallback Host
 - Comparing Member and Node Load Balancing
- Chapter 4: Modifying Traffic Behavior with Persistence
 - Reviewing Persistence
 - Introducing Cookie Persistence
 - Introducing SSL Persistence
 - Introducing SIP Persistence
 - Introducing Universal Persistence
 - Introducing Destination Address Affinity Persistence
 - Using Match Across Options for Persistence
- Chapter 5: 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 and Advanced Monitor Timer Settings
- Chapter 6: Processing Traffic with Virtual Servers
 - Understanding the Need for Other Virtual Server Types
 - Forwarding Traffic with a Virtual Server
 - Understanding Virtual Server Order of Precedence
 - Path Load Balancing
- Chapter 7: Processing Traffic with SNATs
 - Overview of SNATs
 - Using SNAT Pools
 - SNATs as Listeners
 - SNAT Specificity
 - VIP Bounceback
 - Additional SNAT Options
 - Network Packet Processing Review
- Chapter 8: Modifying Traffic Behavior with Profiles
 - Profiles Overview
 - TCP Express Optimization
 - TCP Profiles Overview
 - HTTP Profile Options
 - OneConnect
 - Offloading HTTP Compression to BIG-IP
 - HTTP Caching
 - Stream Profiles
 - F5 Acceleration Technologies
- Chapter 9: Selected Topics
 - VLAN, VLAN Tagging, and Trunking
 - Restricting Network Access
 - SNMP Features
 - Segmenting Network Traffic with Route Domains
- Chapter 10: Deploying Application Services with iApps
 - Simplifying Application Deployment with iApps
 - Using iApps Templates
 - Deploying an Application Service
 - Leveraging the iApps Ecosystem on DevCentral
- Chapter 11: 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
 - What Can You Do with a Local Traffic Policy?
 - How Does a Local Traffic Policy Work?
 - Understanding Local Traffic Policy Workflow
 - Introducing the Elements of a Local Traffic Policy
 - Specifying the Matching Strategy
 - What Are Rules?
 - Understanding Requires and Controls
 - Configuring and Managing Policy Rules
 - Configuring a New Rule
 - Including Tcl in Certain Rule Settings

Chapter 12: Securing Application Delivery with LTM

- Understanding Today's Threat Landscape
 - Integrating LTM Into Your Security Strategy
 - Defending Your Environment Against SYN Flood Attacks
 - Defending Your Environment Against Other Volumetric Attacks
 - Addressing Application Vulnerabilities with iRules and Local Traffic Policies
- Chapter 13: Final Lab Project
- About the Final Lab Project
 - Possible Solution to Lab 13.1

Termíny školení

| Datum | Místo konání | Časové pásmo | Jazyk | Typ | Garance termínu | CENA |
|-------------|-------------------|--------------|---------|-----------------------|-----------------|----------------------|
| 16 Sep 2025 | Virtual Classroom | CEDT | Čeština | Instructor Led Online | | Kč bez DPH 52,000.00 |
| 16 Sep 2025 | Praha | CEDT | Čeština | Classroom | | Kč bez DPH 52,000.00 |
| 02 Dec 2025 | Virtual Classroom | CET | Čeština | Instructor Led Online | | Kč bez DPH 52,000.00 |
| 02 Dec 2025 | Praha | CET | Čeština | Classroom | | Kč bez DPH 52,000.00 |

Dodatečné informace

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