



Enterprise Computing Solutions - Education Services

## NABÍDKA ŠKOLENÍ

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**Prosím kontaktujte nás zde**

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# Configuring BIG-IP LTM: Local Traffic Manager

<b>Kód:</b>	<b>DÉLKA:</b>	<b>CENA:</b>
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
23 Jun 2025	Virtual Classroom	CEDT	Čeština	Instructor Led Online		Kč bez DPH 52,000.00

## Dodatečné informace

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