



TRAINING OFFERING

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Configuring BIG-IP LTM: Local Traffic Manager v.16.1

CODE:	LENGTH:	PRICE:
F5N_BIG-LTM-CFG-3	24 Hours (3 days)	£2,295.00

Description

Learn how to configure and manage BIG-IP Local Traffic Manager (LTM) as it is commonly deployed in an application delivery network to achieve operational efficiency and maintain critical business applications. Through a combination of lecture and hands-on labs, explore features and functionality to process and modify traffic behavior using profiles, persistence, caching, compression, and source network address translation (SNAT).

Monitor application health at layers 3, 4, and 7, and implement dynamic load balancing methods. Use traffic management shell (TMSH), the Configuration utility, and Linux commands to create traffic processing and monitoring objects, observe the resulting traffic statistics, and effectively operate the BIG-IP LTM system. Customize application delivery with iRules, establish application security, and harden system security using BIG-IP LTM functionality.

Audience

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

Prerequisites

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

- Administering BIG-IP (ILT)
- F5 Certified BIG-IP Administrator

Suggested Prework

The following free Self-Directed Training (SDT) courses, although optional, are helpful for any student with limited BIG-IP administration and configuration experience:

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

General network technology knowledge and experience are recommended before attending any F5 Global Training Services instructor-led course, including OSI model encapsulation, routing and switching, Ethernet and ARP, TCP/IP concepts, IP addressing and subnetting, NAT and private IP addressing, NAT and private IP addressing, default gateway, network firewalls, and 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

Programme

Chapter 1: Introducing the BIG-IP System	Chapter 2: Reviewing Local Traffic Configuration
• Introducing the BIG-IP System	• Reviewing Nodes, Pools, and Virtual Servers
• Initially Setting Up the BIG-IP System	• Reviewing Address Translation
• Archiving the BIG-IP Configuration	• Reviewing Routing Assumptions
• Leveraging F5 Support Resources and Tools	• 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
 - Specifying Default and Fallback 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
 - HTTP/2 Profile Options
 - OneConnect
 - Offloading HTTP Compression to BIG-IP
 - Web Acceleration Profile and 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: Customizing Application Delivery with iRules
 - Getting Started with iRules
 - Understanding When iRules are Triggered
 - Deploying iRules
 - Constructing an iRule
 - Testing and Debugging iRules
 - Exploring iRules Documentation
- Chapter 11: Customizing Application Delivery with Local Traffic Policies
 - Getting Started with Local Traffic Policies
 - Configuring and Managing Policy Rules
- 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
 - Detecting and Mitigating Other Common HTTP Threats
- Chapter 13: Final Lab Project
 - About the Final Lab Project
- Chapter 14: Additional Training and Certification
 - Getting Started Series Web-Based Training
 - F5 Instructor Led Training Curriculum
 - F5 Professional Certification Program

Test and Certification

Exam 301a - BIG-IP LTM Specialist: Architect, Set-up, Deploy Prerequisites: Valid F5-CA, BIG-IP Certification

This is the first of two exams in the F5 Certified Technology Specialist, BIG-IP LTM certification and serves as a prerequisite to exam 301b.

Candidates who pass this exam possess an understanding of underlying principles – from SSL-based VPN implementation to symmetric and asymmetric acceleration – and can draw on that insight to integrate BIG-IP LTM into existing networks as well as new implementations.

Receiving the F5-CTS, BIG-IP LTM certification is a prerequisite for both the Cloud and Security Solutions Expert certification tracks.

View Exam 301a study materials on AskF5

Exam 301b - BIG-IP LTM Specialist: Maintain and Troubleshoot

Prerequisites: Valid F5-CA, BIG-IP Certification, valid passing score on Exam 301a

This is the second exam candidates are required to pass in order to receive the F5 Certified Technology Specialist, BIGIP LTM certification.

Passing this exam validates their ability to design, implement, maintain, and troubleshoot advanced F5 product features to enhance the effectiveness of an Application Delivery Network.

In addition, it shows that a candidate understands underlying principles – from SSL-based VPN implementation to symmetric and asymmetric acceleration – and can draw on that insight to integrate BIG-IP LTM into existing networks as well as new implementations.

Receiving the F5-CTS, BIG-IP LTM certification is a prerequisite for both the Cloud and Security Solutions Expert certification tracks. View Exam 301b study materials on AskF5
Exam vouchers can be purchased from Arrow ECS at an additional charge. Vouchers can be used at www.vue.com/f5 to schedule exams at a time and location convenient to the attendee.

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
05 Feb 2025	Virtual Classroom	GMT	English	Instructor Led Online		£2,295.00
30 Apr 2025	Virtual Classroom	BST	English	Instructor Led Online		£2,295.00
11 Jun 2025	Virtual Classroom	BST	English	Instructor Led Online		£2,295.00
03 Sep 2025	Virtual Classroom	BST	English	Instructor Led Online		£2,295.00
12 Nov 2025	Virtual Classroom	GMT	English	Instructor Led Online		£2,295.00
17 Dec 2025	Virtual Classroom	GMT	English	Instructor Led Online		£2,295.00

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)