Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow ECS B.V., Kromme Schaft 5, 3991 AR Houten, The Netherlands

Email: education.ecs.nl@arrow.com
Phone: +31 20 582 6109

Configuring BIG-IP LTM: Local Traffic Manager v.17.1

CODE:

LENGTH:

PRICE:

F5N_BIG-LTM-CFG-3

24 Hours (3 days)

€2,695.00

Description

This course gives network professionals a functional understanding of BIG-IP Local Traffic Manager, introducing students to both commonly used and advanced BIG-IP LTM features and functionality. Incorporating lecture, extensive hands-on labs, and classroom discussion, the course helps students build the well-rounded skill set needed to manage BIG-IP LTM systems as part of a flexible and high performance application delivery network.
Topics covered in this course include: v13 Course Topics
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)
Configuring high availability (including active/standby and N+1 sync failover device groups, connection and persistence mirroring, and sync-only device groups)
Modifying traffic behavior with profiles (including advanced HTTP profile options, caching, compression, and OneConnect profiles)
Advanced BIG-IP LTM configuration options (including VLAN tagging and trunking, SNMP features, and packet filters)
Deploying application services with iApps
Customizing application delivery with iRules and local traffic policies

  By the end of this course, the student should be able to use both the Configuration utility, TMSH, and Linux commands to configure and manage BIG-IP LTM systems in an application delivery network. In addition, students should be able to monitor the BIG-IP system to achieve operational efficiency, and establish and maintain high availability infrastructure for critical business applications.

Objectives

Introducing the BIG-IP System
Initially Setting Up the BIG-IP System
Archiving the BIG-IP Configuration
v13 COURSE OUTLINE Chapter 1: Setting Up the BIG-IP System Leveraging F5 Support Resources and Tools
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)
Chapter 2: Reviewing Local Traffic Configuration Reviewing Managing BIG-IP Configuration Data
Exploring Load Balancing Options
Using Priority Group Activation and Fallback Host
Chapter 3: Load Balancing Traffic with LTM Comparing Member and Node Load Balancing
Reviewing Persistence
Introducing SSL Persistence
Introducing SIP Persistence
Introducing Universal Persistence
Introducing Destination Address Affinity Persistence
Chapter 4: Modifying Traffic Behavior with Persistence Using Match Across Options for Persistence

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 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:
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

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
27 Aug 2025	Virtual Classroom (CET / UTC+1)	CEDT	English	Instructor Led Online	Yes	€2,695.00
22 Oct 2025	Virtual Classroom (CET / UTC+1)	CEDT	English	Instructor Led Online		€2,695.00
10 Dec 2025	Virtual Classroom (CET / UTC+1)	CET	English	Instructor Led Online		€2,695.00

Additional Information

This training is also available as onsite training. Please contact us to find out more.