Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

Arrow Enterprise Computing Solutions Ltd, Part 1st Floor, Suite 1D/1, Central House, Otley Road, Harrogate, HG3 1UG

Email: educationteam.ecs.uk@arrow.com
Phone: 0870 251 1000

Configuring BIG-IP LTM: Local Traffic Manager v.17.5

CODE:	LENGTH:	PRICE:
F5N_BIG-LTM-CFG-3	24 Hours (3 days)	£2,595.00

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

• 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
• 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
• Possible Solution to Lab 13.1

Chapter 14: Additional Training and Certification

• Getting Started Series Web-Based Training
• F5 Instructor Led Training Curriculum
• F5 Professional Certification Program

Appendix A: Troubleshooting

•Working with F5 Technical Support

Appendix B: Additional Resources

•Resources on MyF5, DevCentral and More

Test and Certification

Vouchers are purchased directly from the test delivery providers.

- Pearson VUE
- Certiverse

For details, view F5's Certification website .

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
09 Dec 2026	Virtual Classroom	GMT	English	Instructor Led Online		~~£ 2,595.00~~ £2,335.50
13 Jan 2027	Virtual Classroom	GMT	English	Instructor Led Online		£2,595.00
10 Feb 2027	Virtual Classroom	GMT	English	Instructor Led Online		£2,595.00
10 Mar 2027	Virtual Classroom	GMT	English	Instructor Led Online		£2,595.00
07 Apr 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
12 May 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
02 Jun 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
30 Jun 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
28 Jul 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
25 Aug 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
22 Sep 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
20 Oct 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00
17 Nov 2027	Virtual Classroom	GMT	English	Instructor Led Online		£2,595.00
15 Dec 2027	Virtual Classroom	GMT	English	Instructor Led Online		£2,595.00
08 Sep 2027	Virtual Classroom	BST	English	Instructor Led Online		£2,595.00

Additional Information

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