

F5 BIG-IP LTM v12: Load Balancing & iRules

Learn to configure F5 BIG-IP LTM for load balancing, persistence, SSL processing, iRules and high availability.

3 Days

DURATION

11

MODULES

34

TOPICS

18

HANDS-ON LABS

COURSE OVERVIEW

This course covers installing and provisioning F5 BIG-IP LTM, then configuring virtual servers, pools and load balancing modes. It proceeds through monitors, profiles, persistence methods, SSL traffic processing, and NATs and SNATs. It then introduces iRules concepts and events before addressing redundant pair installation, high availability and failover, and concludes with tools and resources for maintaining BIG-IP LTM.

WHO THIS COURSE IS FOR

Network Administrators

Systems Engineers

Network Engineers

Security Engineers

Infrastructure Support Staff

LEARNING OBJECTIVES

- Explain BIG-IP LTM licensing, provisioning and installation steps
- Configure virtual servers, pools and load balancing modes
- Apply monitors to nodes, pools and pool members
- Configure profiles including protocol profile types and settings
- Implement persistence methods such as source address and cookie persistence
- Configure SSL termination and SSL profile settings
- Implement NATs and SNATs for traffic translation
- Develop iRules using events for traffic management

11 Modules, 34 Topics

DAY-1**01****5 Labs**

Installation and Initial Access

TOPICS

- Big-IP LTM overview
- Licensing and Setup utility Provisioning
- Installation and setup labs Big-IP hardware platforms

02**2 Labs**

Load Balancing

TOPICS

Virtual Servers and pools · Network MAP · Load Balancing Modes

03**2 Labs**

Monitors

TOPICS

Monitor Concepts · Monitor Configurations · Monitor Assignments · Monitor Status Reporting

DAY-2**04****Lab**

Profiles

TOPICS

Profiles · Profiles Types and Dependencies · Protocol profile Types and settings

05**3 Labs**

Persistence

TOPICS

Concept of Persistence · Source Address persistence · Cookie Persistence · Object Management

06**2 Labs**

Processing SSL Traffic

TOPICS

SSL termination / Initiation · SSL profile Configuration

07**2 Labs**

NATs and SNATs

TOPICS

NATs · SNATs

08

iRules**TOPICS**

iRules Concept · iRules Events

Lab

09

Redundant Pair Installation**TOPICS**

Redundant Pair Concept · Synchronization state and Failover · Redundant Pair Communication · Upgradation

10

High Availability**TOPICS**

Failover triggers · Failover triggers configurations · Failover detection · Stateful failover · MAC Masquerading

11

Maintaining BIG-IP LTM**TOPICS**

Additional Tools and Resources · Documentation for F5 Supports

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	Installation and Initial Access	■ Lab-1 Changing Initial IP address ■ Lab-2 Licensing the system ■ Lab-3 Setup Utility ■ Lab-4 Configuration Utility ■ Lab-5 Configuration backup
02	Load Balancing	■ Lab-1 Virtual servers and pools ■ Lab-2 Load Balancing
03	Monitors	■ Lab-1 Monitors for Nodes ■ Lab-2 Monitors for Pools and members
04	Profiles	Lab-1 Configuring Profile
05	Persistence	■ Lab-1 Source Address persistence ■ Lab-2 Cookie Persistence ■ Lab-3 Disabled Members
06	Processing SSL Traffic	■ Lab-1 Client SSL termination ■ Lab-2 Client and Server SSL (Optional)

#	MODULE	ACTIVITY
07	NATs and SNATs	■ Lab-1 Configuring NAT ■ Lab-2 Configuring SNAT
08	iRules	Lab-iRules

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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