



*Training Course:
Professional F5 Administering BIG-IP*

*20 - 24 April 2025
Manama (Bahrain)
Fraser Suites*

Training Course: Professional F5 Administering BIG-IP

Training Course code: SC235628 From: 20 - 24 April 2025 Venue: Manama (Bahrain) - Fraser Suites Training Course
Fees: 4900 € Euro

Introduction

The Professional F5 Administering BIG-IP course is a comprehensive training designed by Global Horizon Training Center to equip IT professionals with the necessary skills to configure, manage, and maintain F5 BIG-IP devices. F5 BIG-IP is a crucial technology in today's networks for load balancing, traffic management, security, and application delivery. This program ensures that participants gain a thorough understanding of BIG-IP's functionalities, including Local Traffic Manager LTM, DNS services, security solutions, and advanced networking features. Upon completion, participants will be able to efficiently manage BIG-IP devices within an enterprise network.

Objectives

By the end of this training, participants will be able to:

- Understand the architecture and components of the F5 BIG-IP platform.
- Configure and manage BIG-IP Local Traffic Manager LTM for application load balancing.
- Implement traffic management policies and optimize performance.
- Manage SSL offloading, secure traffic, and web application firewalls.
- Set up and maintain network security using F5 security modules.
- Monitor and troubleshoot BIG-IP environments.
- Apply best practices for BIG-IP configuration management and performance tuning.
- Utilize F5's iRules and iApps for customized application delivery.

Methodology

This course utilizes a blend of theory-based learning and hands-on practical exercises. Participants will:

- Attend interactive lectures and presentations.
- Engage in real-time demonstrations of BIG-IP functionalities.
- Participate in lab sessions for configuring and administering F5 systems.
- Use case studies to understand practical applications.

- Engage in Q&A sessions and group discussions to reinforce learning.
- Receive ongoing assessments to track progress and understanding.

Organizational Impact

Upon completion of this course, organizations will benefit from:

- Enhanced network efficiency through optimized traffic distribution and management.
- Improved application security and reduced downtime due to well-managed load balancing.
- Streamlined network operations by implementing F5 technologies effectively.
- Reduced operational costs through the proper configuration and use of SSL offloading and security modules.
- Better network resilience and business continuity by having certified professionals manage F5 BIG-IP systems.
- Improved compliance with network security standards and policies.

Target Audience

This course is intended for:

- Network engineers and system administrators responsible for managing F5 BIG-IP devices.
- IT professionals seeking to enhance their knowledge in load balancing and application delivery.
- Security engineers managing network traffic and security on F5 devices.
- Individuals preparing for the F5 Certified BIG-IP Administrator exam.
- IT managers seeking a better understanding of how F5 BIG-IP can enhance their infrastructure.

Outlines

Day 1:

Introduction to F5 BIG-IP and Initial Setup

- Overview of F5 Solutions and Product Family
- BIG-IP System Setup and Licensing
- Initial Device Configuration and Network Setup

- Introduction to Traffic Management and Load Balancing Concepts
- Hands-on Lab: Setting up the BIG-IP Environment

Day 2:

Configuring and Managing Local Traffic Manager LTM

- Introduction to Local Traffic Manager LTM Concepts
- Virtual Servers, Pools, and Nodes Configuration
- Health Monitors: Creating and Applying Monitors
- Session Persistence and Load Balancing Algorithms
- Hands-on Lab: LTM Configuration and Traffic Management

Day 3:

Advanced Traffic Management and Security Features

- SSL Termination and Certificate Management
- iRules: Introduction and Application
- Application Security with F5: Overview of Web Application Firewall WAF
- Implementing F5 DNS Services and Global Server Load Balancing GSLB
- Hands-on Lab: Configuring SSL Offloading and iRules

Day 4:

High Availability, Performance Optimization, and Troubleshooting

- BIG-IP High Availability HA Architecture
- Configuring Device Groups and Failover Management
- Performance Tuning and Resource Management
- Troubleshooting Common BIG-IP Issues
- Monitoring and Logging with BIG-IP
- Hands-on Lab: Configuring High Availability and Performance Tuning
- Best Practices for Managing F5 BIG-IP Devices

- Course Review and Q&A

Registration form on the Training Course: Professional F5 Administering BIG-IP

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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