Training: F5
Administering BIG-IP

TRANING TERMS

2026-03-05 | 2 days | Kraków / Virtual Classroom
2026-04-02 | 2 days | Warszawa / Virtual Classroom
2026-05-07 | 2 days | Kraków / Virtual Classroom
2026-06-11 | 2 days | Warszawa / Virtual Classroom

TRAINING GOALS:

This course gives network administrators, network operators, and network engineers a functional understanding of the BIG-IP system as it is commonly deployed in an application delivery network. The course introduces students to the BIG-IP system, its configuration objects, how it processes traffic, and how typical administrative and operational activities are performed. The course includes lecture, hands-on labs, interactive demonstrations, and discussions.

Audience:
This course is intended for network administrators, operators, and engineers responsible for managing the normal day-to-day operation and administration of a BIG-IP application delivery network. This course presents the prerequisite knowledge for many other of F5’s BIG-IP instructor-led training courses.

CONSPECT:

- Setting Up the BIG-IP System
  - Introducing the BIG-IP System
  - Initially Setting Up the BIG-IP System
  - Archiving the BIG-IP Configuration
  - F5 Support Resources and Tools
- Traffic Processing Building Blocks
  - Identifying BIG-IP Traffic Processing Objects
  - Network Packet Flow
  - Configuring Virtual Servers and Pools
  - Load Balancing Concepts
  - Viewing Statistics and Logs

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- Using the Traffic Management Shell (tmsh)
- BIG-IP Configuration State and Files
- Saving and Replicating Configuration Data (UCS and SCF)
- Viewing the BIG-IP Connection Table

- Using NATs and SNATs
  - Address Translation on the BIG-IP System
  - NAT Concepts
  - Solving Routing Issues with SNATs
  - Configuring SNAT Auto Map on a Virtual Serve
  - Monitoring for and Mitigating Port Exhaustion
- Monitoring Application Health
  - Introducing Monitors
  - Types of Monitors
  - Monitor Interval and Timeout Settings
  - Configuring Monitors
  - Assigning Monitors to Resources
  - Managing Pool, Pool Member, and Node Status
  - Using the Network Map
- Modifying Traffic Behavior with Profiles
  - Introducing Profiles
  - Understanding Profile Types and Dependencies
  - Configuring and Assigning Profiles
- Modifying Traffic Behavior with Persistence
  - Understanding the Need for Persistence
  - Introducing Source Address Affinity Persistence
  - Introducing Cookie Persistence
  - Introducing SSL Offload and SSL Re-Encryption
  - Managing Object State
- Troubleshooting the BIG-IP System
  - Configuring Logging
  - Using tcpdump on the BIG-IP System
  - Leveraging the BIG-IP iHealth System
  - Working with F5 Technical Support
- Administering the BIG-IP System
  - Always-On Management (AOM)
  - Expanding Availability with Device Service Clustering

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- User Roles and Administrative Partitions
- vCMP
- iApps Overview

- Customizing Application Delivery with iRules
  - iRules Concepts
  - iRules Events
  - iRules Resources
- Additional Training and Certification
  - Getting Started Series Web-Based Training
  - F5 Instructor Led Training Curriculum
  - F5 Professional Certification Program

REQUIREMENTS:

The following general network technology knowledge and experience are required 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

Difficulty level

CERTIFICATE:

The participants will obtain certificates signed by F5 Networks (course completion). This course also will help to prepare you for the F5 Networks Administrator certification (F5-CA) exams Exam 101 - Application Delivery Fundamentals and Exam 201 - TMOS Administration, which is available through the **Pearson VUE test centers**.

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TRAINER:

Certified F5 Networks Trainer.

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