



Global Knowledge®

F5 NETWORKS ADMINISTERING BIG-IP V13

Course Code: 1959

Learn the administrative and operational activities of the F5 BIG-IP system.

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. In this course, you will be introduced 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.

What You'll Learn

- Getting started with the BIG-IP system
- Traffic processing with BIG-IP Local Traffic Manager (LTM)
- Using the TMSH (TMOS Shell) command line interface
- Using NATs and SNATs
- Monitoring application health and managing object status
- Modifying traffic behavior with profiles, including SSL offload and re-encryption
- Modifying traffic behavior with persistence, including source address affinity and cookie persistence
- Troubleshooting the BIG-IP system, including logging (local, high-speed, and legacy remote logging), and using tcpdump
- User roles and administrative partitions
- vCMP concepts
- Customizing application delivery with iRules

Who Needs to Attend

Network administrators, operators, and engineers responsible for managing the normal day-to-day operation and administration of a BIG-IP application delivery network



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CLASSROOM LIVE

\$2,000 USD

2 days

Classroom Live Outline

Chapter 1. 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
- Chapter Resources
- BIG-IP System Setup Labs

Chapter 2. 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
- 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

Chapter 3. 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 Server
- Monitoring for and Mitigating Port Exhaustion

Chapter 4. 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

Chapter 5. Modifying Traffic Behavior with Profiles

- Introducing Profiles
- Understanding Profile Types and Dependencies
- Configuring and Assigning Profiles

Chapter 6. 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

Chapter 7. 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

Chapter 8. Administering the BIG-IP System

- Always-On Management (AOM)
- Expanding Availability with Device Service Clustering
- User Roles and Administrative Partitions
- vCMP
- iApps Overview

Chapter 9. Customizing Application Delivery with iRules

- iRules Concepts
- iRules Events
- iRules Resources

Chapter 10. Additional Training and Certification

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

Classroom Live Labs

50% of this class is spent on lab activities.



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VIRTUAL CLASSROOM LIVE

\$2,000 USD

2 days

Virtual Classroom Live Outline

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- F5 Support Resources and Tools
- Chapter Resources
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PRIVATE GROUP TRAINING

2 days

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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