Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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F5 Administering BIG-IP v.15.1

CODE:	LENGTH:	PRICE:
F5N_BIG-OP-ADMIN	16 Hours (2 days)	€1,595.00

Description

Administering BIG-IP v.14.1
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.

Objectives

• 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

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.

Prerequisites

The following free web-based training courses, although optional, will be very helpful for any student with limited BIG-IP administration and configuration experience.
These courses are available at F5 University (http://university.f5.com): ? Getting Started with BIG-IP
? Getting Started with BIG-IP Local Traffic Manager (LTM) web-based training
The following general network technology knowledge and experience are recommended 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

Programme

Chapter 1: Setting Up the BIG-IP System? Introducing the BIG-IP System? Initially Setting Up the BIG-IP System
? Configuring the Management Interface? Activating the Software License? Provisioning Modules and Resources
? Importing a Device Certificate? Specifying BIG-IP Platform Properties? Configuring the Network
? Configuring Network Time Protocol (NTP) Servers? Configuring Domain Name System (DNS) Settings
? Configuring High Availability Options? Archiving the BIG-IP Configuration? Leveraging F5 Support Resources and Tools
Chapter 2: Traffic Processing Building Blocks? Identifying BIG-IP Traffic Processing Objects
? Configuring Virtual Servers and Pools? Load Balancing Traffic? Viewing Module Statistics and Logs
? Using the Traffic Management Shell (TMSH)? Understanding the TMSH Hierarchical Structure? Navigating the TMSH Hierarchy
? Managing BIG-IP Configuration State and Files? BIG-IP System Configuration State
? Loading and Saving the System Configuration? Shutting Down and Restarting the BIG-IP System
? Saving and Replicating Configuration Data (UCS and SCF) **Chapter 3: Using NATs and SNATs**
? Address Translation on the BIG-IP System? Mapping IP Addresses with NATs? 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
? Introducing SSL Offload and SSL ReEncryption? Managing Object State
Chapter 6: Modifying Traffic Behavior with Persistence? Understanding the Need for Persistence
? Introducing Source Address Affinity Persistence? Managing Object State **Chapter 7: Administering the BIG-IP System**
? Configuring Logging? Legacy Remote Logging? Introducing High Speed Logging (HSL)? High-Speed Logging Filters
? HSL Configuration Objects? Configuring High Speed Logging? Using TCPDUMP on the BIG-IP System
? Leveraging the BIG-IP iHealth System? Viewing BIG-IP System Statistics? Defining User Roles and Administrative Partitions
? Leveraging vCMP **Chapter 8: Configuring High Availability**? Introducing Device Service Clustering (DSC)
? Preparing to Deploy a DSC Configuration? Configuring DSC Communication Settings? Establishing Device Trust
? Establishing a Sync-Failover Device Group? Synchronizing Configuration Data? Exploring Traffic Group Behavior
? Understanding Failover Managers and Triggers? Achieving Stateful Failover with Mirroring

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
13 May 2024	Virtual Classroom (CET / UTC+1)	CEDT	English	Instructor Led Online		€1,595.00

Additional Information

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