TRAINING OFFERING

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Postboks 6562 ETTERSTAD, 0606 Oslo, Norge

Email: kurs.ecs.no@arrow.com
Phone: +47 22 02 81 00

Administering BIG-IP v16.1

CODE:	LENGTH:	PRICE:
F5N_BIG-OP-ADMIN	16 Hours (2 days)	kr19,500.00

Description

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.

Topics covered in this course Include: v13 Course Topics

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

Objectives

Introducing the BIG-IP System

Initially Setting Up the BIG-IP System

Archiving the BIG-IP Configuration

v13 COURSE OUTLINE Chapter 1: Setting Up the BIG-IP System Leveraging F5 Support Resources and Tools

Identifying BIG-IP Traffic Processing Objects

Network Packet Flow

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

Chapter 2: Traffic Processing Building Blocks Saving and Replicating Configuration Data (UCS and SCF)

Address Translation on the BIG-IP System

Mapping IP Addresses with NAT

Solving Routing Issues with SNATs

Configuring SNAT Auto Map on a Virtual Server

Chapter 3: Using NATs and SNATs 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
Understanding the Need for Persistence
Introducing Source Address Affinity Persistence
Introducing Cookie Persistence
Introducing SSL Offload and SSL Re-Encryption
Managing Object State   **Chapter 6: 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 7: Customizing Application Delivery with iRules**
Identifying iRules Components
Triggering iRules with Events
Leveraging the iRules Ecosystem on DevCentral

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

There are no required F5 prerequisites for this course. 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:
Getting Started with BIG-IP web-based training
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   More information - F5 Webpage under "Education"

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
13 May 2024	Virtual Classroom (CET / UTC +1)	CEDT	English	Classroom		kr19,500.00

Tilleggsinformasjon

Denne treningen er også tilgjengelig som trening på stedet. Kontakt oss for å finne ut mer.