



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Configuring BIG-IP on VIPRION

CODE: **LENGTH:** **PRICE:**

F5N_VPR-1 8 Hours (1 day) €905.00

Description

This course provides network professionals with a functional understanding of the BIG-IP VIPRION platform. It includes an overview of the chassis, hardware options, Clustered Multiprocessing (CMP) and virtual CMP (vCMP) deployment options. The course includes lectures, demonstrations, hands-on labs, and discussions.

- BIG-IP VIPRION system setup
- VIPRION chassis and blade hardware options overview
- Clustered MultiProcessing (CMP)
- Configuring virtual CMP (vCMP) host and guests
- High-Availability with vCMP and non-vCMP systems
- Hardware maintenance and basic troubleshooting
- Lab projects

Topics covered in this course include:**v13 Course Topics**

By the time you finish this course, you should be able to identify various VIPRION chassis and hardware options, perform an initial configuration of the BIG-IP VIPRION system, and configure a vCMP host and guests. Additionally, you should be able to monitor, administer, and perform basic troubleshooting tasks on traffic processed by a BIG-IP VIPRION system.

Objectives

- Introducing the VIPRION System
- VIPRION 2000 Series Chassis
- VIPRION 4000 Series Chassis
- Primary and Secondary Blades
- VIPRION Cables and Transceivers

v13 COURSE OUTLINEChapter 1: Introducing the VIPRION System ArchitectureOther Components

- Initial BIG-IP Setup Utility Steps
- Creating an Archive of the BIG-IP System

Chapter 2: Setting Up a BIG-IP VIPRION SystemBIG-IP 5200V System Setup Labs

Chapter 3: Load Balancing Traffic with CMP

- What is CMP?
- Understanding the Disaggregator (DAG)
- Differentiating between CMP-enabled and CMP-disabled
- Understanding the Relationship Between CMP and Persistence Records and iRules Variables
- VIPRION Features and Technologies

- What is vCMP?
- vCMP Licensing and Provisioning
- F5 Virtualization
- vCMP Host and vCMP Guests
- Physical and Logical Cores
- Virtual Disks

Chapter 4: Running VIPRION with vCMPFlexible Resource Allocation

Introducing Device Service Clustering (DSC)
Introducing Network Failover Communication
Preparing to Deploy a DSC Configuration
Configuring DSC Communication
Establishing Device Trust
Establishing a Sync-Failover Device Group
Synchronizing Configuration Data
Exploring Traffic Groups
Understanding Failover Managers and Triggers
Understanding HA Group Monitors
Cluster High Availability without vCMP

Chapter 5: Configuring a High Availability Deployment in a VIPRION System

Mirroring for VIPRION Systems
Recommended VIPRION Practices
Full Cluster Start-Up
Adding a New Blade
VIPRION Troubleshooting Commands
Troubleshooting Tools
Contact F5 Technical Support

Chapter 6: Managing Blades and Performing Hardware Maintenance

End User Diagnostics (EUD)

Audience

This course is intended for system and network administrators responsible for installation, setup, configuration, and administration of the BIG-IP VIPRION system. You will benefit from first attending the Configuring BIG-IP LTM instructor-led training and having several months or more experience configuring BIG-IP LTM before attending this course.

Prerequisites

Students must complete one of the following F5 prerequisites before attending this course:

Administering BIG-IP instructor-led course

F5 Certified BIG-IP Administrator

The following free web-based 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

Getting Started with VIPRION 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

Session Dates

On request. Please [contact us](#)

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)