



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Configuring BIG-IP on VIPRION

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

F5N\_VPR-1        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 OUTLINE**Chapter 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 System**BIG-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 vCMP**Flexible 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.](#)