# Configuring BIG-IP on VIPRION

**Category:** Networking & Security | **Vendor:** F5

**Duration:** 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

## Course Information

**Delivery Format:** Instructor Led - Online

## Course Overview

Chapter 1: Introducing the VIPRION System Architecture

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

Chapter 2: Setting Up a BIG-IP VIPRION System

- Initial BIG-IP Setup Utility Steps
- Archiving the BIG-IP Configuration
- BIG-IP vCMP-Enabled Appliance Setup Labs

Chapter 3: Load Balancing Traffic with CMP

- What is CMP?
- VIPRION Features and Technologies

Chapter 4: Running BIG-IP with vCMP

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

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

- High Availability Configuration
- 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
- Non-vCMP System High Availability

Chapter 6: Managing Blades and Performing Hardware Maintenance

- Recommended VIPRION Practices
- Full Cluster Start-Up
- Adding a New Blade
- VIPRION Troubleshooting Commands
- Troubleshooting Tools
- Contact F5 Technical Support
- End User Diagnostics (EUD)

## About This Course

Chapter 1: Introducing the VIPRION System Architecture

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## Who Should Attend

- This course is intended for system and network administrators responsible for installation, setup, configuration, and administration of the BIG-IP VIPRION System.

## Prerequisites & Entry Requirements

**General 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.

- 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

## Learning Outcomes

**Upon successful completion of this course, participants will be able to:**

- By course completion, the student should be able to identify various VIPRION chassis and hardware options, perform an initial configuration of the BIG-IP® VIPRION for both CMP and vCMP configurations~options, and configure host and guests. Additionally, the student should be able to monitor, administer, and perform basic troubleshooting tasks on traffic processed by the BIG-IP® VIPRION System.

## Detailed Course Outline

Chapter 1: Introducing the VIPRION System Architecture - VIPRION System overview, 2000 and 4000 Series Chassis, Primary and Secondary Blades, Cables and Transceivers, Other Components

Chapter 2: Setting Up a BIG-IP VIPRION System - Initial BIG-IP Setup, Archiving the BIG-IP Configuration, vCMP-Enabled Appliance Setup Labs

Chapter 3: Load Balancing Traffic with CMP - What is CMP?, VIPRION Features and Technologies

Chapter 4: Running BIG-IP with vCMP - What is vCMP?, vCMP Licensing and Provisioning, F5 Virtualization, vCMP Host and Guests, Physical and Logical Cores, Virtual Disks, Flexible Resource Allocation

Chapter 5: Configuring High Availability in VIPRION - HA Configuration, Device Service Clustering (DSC), DSC Communication Settings, Establishing Device Trust, Sync-Failover Device Group, Synchronizing Configuration Data, Traffic Group Behavior, Non-vCMP HA

Chapter 6: Managing Blades and Hardware Maintenance - Recommended Practices, Full Cluster Start-Up, Adding a New Blade, Troubleshooting Commands and Tools, End User Diagnostics (EUD)

**Skills You Will Learn:**

- By course completion, the student should be able to identify various VIPRION chassis and hardware options, perform an initial configuration of the BIG-IP® VIPRION for both CMP and vCMP configurations~options, and configure host and guests. Additionally, the student should be able to monitor, administer, and perform basic troubleshooting tasks on traffic processed by the BIG-IP® VIPRION System.

# Frequently Asked Questions

### Q: What delivery options are available for Configuring BIG-IP on VIPRION?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

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### Q: How many CPD hours does this course provide?

The 1-day Configuring BIG-IP on VIPRION course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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### Q: What is the duration of the Configuring BIG-IP on VIPRION training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

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### Q: Do you provide corporate training for Configuring BIG-IP on VIPRION?

Yes, we provide corporate training, dedicated training, and closed classes for Configuring BIG-IP on VIPRION. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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### Q: What related terms do people search for?

Popular related searches include: Configuring BIG-IP on VIPRION, F5 Networks, TRG-VPR-1

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### Q: Why choose Nexus Human for Configuring BIG-IP on VIPRION?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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### Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Configuring BIG-IP on VIPRION training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.


## Nexus Human

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