



F5 Configuring BIG-IP VIPRION v11

Code: ACBE–F5N-VIPRION

Days: 1

Course Description:

This one day course provides network professionals with a functional understanding of the BIG-IP® VIPRION chassis platform. This course includes an overview of chassis platforms, hardware options, configuration of Clustered Multi-Processing (CMP) and virtual CMP (vCMP) deployment options. This course includes lectures, demonstrations, hands-on labs and discussions.

Course Summarize:

Preface: F5 Product Overview

- BIG IP Product Family
- Enterprise Manager Series
- ARX Series
- FirePass
- Hardware
- Virtual Editions
- F5 Services
- F5 Resources and Tools

Chapter 1: Hardware

- BIG-IP VIPRION Overview
- Viprion 2400 Chassis Series
- Viprion 4400 Chassis Series
- Viprion Blades
- LCD panel
- Chassis and Blade Indicators
- Platform Interfaces

Chapter 2: Installation and Initial Access

- Cluster Management Port IP Address
- License Administration
- Provisioning
- Setup Utility Functionality
- Command Line Access
- Setup Utility Labs
 - Changing Initial IP Address Lab
 - Licensing and Provisioning Lab
 - User Accounts and Network Config Lab
 - Configuration Utility Lab
 - Configuration Backup Lab

Chapter 3: VIPRION Configuration and Troubleshooting

- Initial Power-Up
- Primary Blade Election
- VIPRION Commands and Troubleshooting
 - Viprion Prompt Information
 - Viprion tmsh Commands
 - Viprion Troubleshooting Techniques
- VIPRION Command Lab

Chapter 4: VIPRION Software Management

- Basic Concepts
- Performing Software Installations
- Version Management using the Configuration Utility

Chapter 5: Load Balancing Review

- Virtual Servers and Pools
- Configuring Virtual Servers and Pools
- Network Map

Chapter 6: Viprion Clustering and Hi-Availability

- Clustered Multi-Processing (CMP)
- What is a Cluster?
- Configuring cluster network objects

- Configuring a Cluster for Redundancy
 - Hi-Av Cluster Configuration Lab

Chapter 7: vCMP Configuration

- Virtualized Clustered MultiProcessing (vCMP) Overview
- BIG-IP license considerations
- vCMP Components
- vCMP Host and Guest Configuration
- Multi-Tenancy and Virtualization
- Accessing the vCMP host
- vCMP guests
- Creating a vCMP guest
- Setting a vCMP guest to the deployed state

Chapter 8: vCMP High Availability

- vCMP Hi-Av Considerations
- Software Versions
- Step by Step Hi-AV Configuration
- vCMP Hi-AV Configuration Labs