

F5-125

F5 – Administering BIG-IP - V11

This two-day course gives network administrators, network operators, and network engineers a functional understanding of the BIG-IP® v11 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:

- Getting Started with the BIG-IP System
- Traffic Processing with LTM
- Secure Network Address Translation (SNATs)
- Traffic Management Shell (TMSH) and Managing the BIG-IP System
- Monitors, Network Map, and Configuration State
- Profile Concepts
- Session Persistence
- iApps Concepts
- Basic BIG-IP Troubleshooting
- BIG-IP Administration
- Overview of Other BIG-IP Products (GTM, ASM, APM)
- Enterprise Manager (EM)
- High Availability Concepts
- iRules

At the end of this course, the student should be able to:

- Start/restart, license, and provision the BIG-IP system;
- Use the Configuration utility and TMOS Shell (tmsh) to manage BIG-IP resources such as virtual servers, pools, pool members, nodes, profiles, and monitors;
- Create, restore from, and manage BIG-IP archives;
- View resource status, availability, and statistical information and use this information to determine how the BIG-IP system is currently processing traffic
- Perform basic troubleshooting and problem determination activities including using the iHealth diagnostic tool, researching known issues and solutions on AskF5, submitting a problem ticket to F5 Technical Support, and viewing traffic flow using tcpdump;
- Understand and manage user roles and partitions;
- Operate two or more BIG-IPs as part of an N+1 high-availability configuration;
- Use an iApp to deploy an application service;

- Describe the role of Enterprise Manager in BIG-IP system administration and operation
- Describe how traffic flows through LTM, GTM, ASM, and APM
- Describe the role of iRules in affecting traffic behavior

Audience

This course is intended for network administrators, operators, and engineers responsible for managing the normal day-to-day operation 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

Students should understand:

- TCP/IP Addressing and Routing including:
 - The Address Resolution Protocol
 - Direct and Indirect Routing
 - TCP Handshakes
- Common elements of and differences between WAN and LAN components