F5 Administering & Configuring BIG-IP Local Traffic Manager (LTM)

DURATION

5 Days

AUDIENCE

This course is intended for network administrators, network operators and network engineers with no or minimal experience with F5 who would be responsible for installation and set up of BIG-IP LTM systems.

OVERVIEW

The Administering component 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 with emphasis on real work applications. The Configuring component provides an in-depth understanding of advance features. This course covers installation, configuration, and management of BIG-IP LTM systems.

PREREQUISITES

Students should understand TCP/IP addressing and routing . However, no prior F5 experience required

TOPICS COVERED

- Getting started with the BIG-IP system & initial setup (licensing, provisioning, and network configuration)
- Traffic processing with LTM and SNATs
- Using the Traffic Management Shell (tmsh) command line interface
- Using NATs and SNATs
- Monitoring application health and managing object status
- Modifying traffic behavior with profiles
- Modifying traffic behavior with persistence, including source address affinity and cookie persistence
- Troubleshooting the BIG-IP system, including logging (local, high-speed, and legacy remote logging), and using tcpdump
- Always-On Management (AOM)
- User roles and administrative partitions
- vCMP concepts
- Customizing application delivery with iRules
- A review of BIG-IP local traffic configuration objects
- Using dynamic load balancing methods
- Monitoring application health with Layer 3, Layer 4, and Layer 7 monitors
- Processing traffic with virtual servers
- Configuring high availability (including active/standby and N+1 sync failover device groups, connection and persistence mirroring, and sync-only device groups)
- Deploying application services with iApps
- Customizing application delivery with iRules and local traffic policies