

# Configuring BIG-IP Local Traffic Manager

Course code: F5\_LTMC

By the end of this course, the student should be able to use both the graphical user interface and command line to configure and manage BIG-IP LTM systems in an application delivery network. In addition, students should be able to monitor the BIG-IP system to achieve operational efficiency, and establish and maintain high availability infrastructure for critical business applications.

## Required skills

Students must complete one of the following:

- Administering BIG-IP V11 Instructor-led course
- BIG-IP Local Traffic Manager (LTM) Essentials course
- Achieve F5 Certified BIG-IP Administrator certification

Students should understand:

- TCP/IP Addressing and Routing including: ?The Address Resolution Protocol
- Direct and Indirect Routing
- TCP Handshakes
- Command Line Configuration
- Common elements of and differences between WAN and LAN components
- Fundamental programming concepts

In addition, students should be proficient in:

- The Linux File System
- pico editor or vi editor
- The tcpdump program

## Course outline

- Set up the BIG-IP LTM System
- Load Balancing, including priority group activation and connection limits
- Persistence concepts, including universal persistence and match across services
- Monitors, including scripted monitors and managing multiple monitors
- Profiles, including compression, caching, and F5 acceleration technologies
- Deploying iApps
- Highly Availability, including Sync-Failover and Sync-Only device groups, traffic groups, and N+1 concepts
- Forwarding and network virtual servers, path load balancing, and auto last hop
- Configuring local traffic policies
- Implementing SNATs
- IPv6 and route domains
- Configuring iRules

**GOPAS Praha**  
Na Strži 2097/63  
140 00 Praha 4 - Krč  
Tel.: +420 226 201 390  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Brno**  
Nové sady 996/25  
602 00 Brno  
Tel.: +420 542 422 111  
[info@gopas.cz](mailto:info@gopas.cz)

**GOPAS Bratislava**  
Dr. Vladimíra Clementisa 10  
Bratislava, 821 02  
Tel.: +421 902 903 132  
[info@gopas.sk](mailto:info@gopas.sk)



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