

# Administering BIG-IP and Configuring BIG-IP LTM

F5 Networks

## Administering BIG-IP and Configuring BIG-IP LTM

### Local Traffic Manager Bundle

Attend both the F5 Administering BIG-IP and Configuring BIG-IP LTM: Local Traffic Manager courses in the same week!

This Administering BIG-IP course gives network administrators, network operators, and network engineers a functional understanding of the BIG-IP 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.

This Configuring BIG-IP LTM course gives network professionals a functional understanding of BIG-IP Local Traffic Manager, introducing students to both commonly used and advanced BIG-IP LTM features and functionality. Incorporating lecture, extensive hands-on labs, and classroom discussion, the course helps students build the well-rounded skill set needed to manage BIG-IP LTM systems as part of a flexible and high performance application delivery network.

#### Kursinhalt

- Getting started with the BIG-IP system
- Traffic processing with BIG-IP Local Traffic Manager (LTM)
- Using TMSH (TMOS Shell) command line interface
- Using NATs and SNATs
- Monitoring application health and managing object status
- Modifying traffic behavior with profiles, including SSL offload and re-encryption
- 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
- User roles and administrative partitions
- vCMP concepts
- Configuring high availability (including active/standby and connection and persistence mirroring)
- BIG-IP initial setup (licensing, provisioning, and network configuration)
- A review of BIG-IP local traffic configuration objects
- Using dynamic load balancing methods
- Modifying traffic behavior with persistence (including SSL, SIP, universal, and destination address affinity persistence)
- Monitoring application health with Layer 3, Layer 4, and Layer 7 monitors (including transparent, scripted, and external monitors)
- Processing traffic with virtual servers (including network, forwarding, and reject virtual servers)
- Processing traffic with SNATs (including SNAT pools and SNATs as listeners)
- Modifying traffic behavior with profiles (including TCP profiles, advanced HTTP profile options, caching, compression, and OneConnect profiles)
- Advanced BIG-IP LTM configuration options (including VLAN tagging and trunking, SNMP features, packet filters, and route domains)
- Customizing application delivery with iRules and local traffic policies
- Securing application delivery using BIG-IP LTMs

Jeder Teilnehmer erhält die englischsprachigen Original-Unterlagen von F5 Networks in elektronischer Form.

#### Zielgruppe

This course is intended for system and network administrators, operators, and engineers responsible for managing the normal day-to-day operation and administration of a BIG-IP application delivery network, and installation, setup, configuration, and administration of the BIG-IP LTM system.

#### Voraussetzungen

The following free web-based training courses, although optional, will be very helpful for any student with limited BIG-IP administration and configuration experience.

These courses are available at F5 University:

- Getting Started with BIG-IP
- Getting Started with BIG-IP Local Traffic Manager (LTM) 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

The following course-specific knowledge and experience is suggested before attending this course:

- Web application delivery
- HTTP, HTTPS, FTP and SSH protocols
- TLS/SSL

#### Kursziel

##### Test and Certification:

Administering BIG-IP - Exam 201 – TMOS Administration

Prerequisite: Valid passing score on Exam 101 or valid F5-CTP, Sales Certification

View Exam 201 study materials on AskF5

Configuring BIG-IP LTM: Local Traffic Manager - Exam 301a - BIG-IP LTM Specialist: Architect, Set-up, Deploy

Prerequisites: Valid F5-CA, BIG-IP Certification

View Exam 301a study materials on AskF5

Exam 301b - BIG-IP LTM Specialist: Maintain and Troubleshoot

Prerequisites: Valid F5-CA, BIG-IP Certification, valid passing score on Exam 301a

View Exam 301b study materials on AskF5

Stand 07.05.2025

#### Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link:  
[www.expertech.ch/go/FAC1](http://www.expertech.ch/go/FAC1)

#### Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

#### Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

#### Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Training	Preise zzgl. MwSt.
Termine in der Schweiz	5 Tage
Online Training	5 Tage CHF 4.835,-
Termin/Kursort	Kurstsprache Englisch
09.06.-13.06.25	ONOnline
01.09.-05.09.25	ONOnline
10.11.-14.11.25	ONOnline
15.12.-19.12.25	ONOnline

## Unser Trainingsangebot für Sie:



### Classroom Training

Das Live-Trainingserlebnis in unseren Training Centern oder bei Ihnen vor Ort.



### Online Training

Nehmen Sie online am Kurs teil – ohne Reise- und Hotelaufwände.



### Hybrid Training

Classroom & online in einem Kurs – Sie wählen, wie Sie teilnehmen möchten.



### Inhouse-Schulungen

Für Ihr Projekt erstellen wir genau passende Trainingskonzepte.



### Garantierte Kurstermine

Die ExperTeach Garantietermine geben Ihnen Sicherheit für Ihre Planung.

## Auszeichnungen für ExperTeach

