Configuring BIG-IP Advanced Firewall Manager (AFM)

This course uses lectures and hands-on exercises to give participants real-time experience in setting up and configuring the BIG-IP Advanced Firewall Manager (AFM) system. Students are introduced to the AFM user interface, stepping through various options that demonstrate how AFM is configured to build a network firewall and to detect and protect against DoS (Denial of Service) attacks. Reporting and log facilities are also explained and used in the course labs. Further firewall functionality and additional DoS facilities for DNS and SIP traffic are discussed.

Course Contents
- Configuration and management of the BIG-IP AFM system
- AFM Network Firewall concepts
- Network firewall options and modes
- Network firewall rules, policies, address/port lists, rule lists and schedules
- IP Intelligence facilities of dynamic black and white lists, IP reputation database and dynamic IP shunning.
- Detection and mitigation of DoS attacks
- Event logging of firewall rules and DoS attacks
- Reporting and notification facilities
- DoS Whitelists
- DoS Sweep/Flood
- DNS Firewall and DNS DoS
- SIP DoS
- Port Misuse
- Network Firewall iRules
- Various AFM component troubleshooting commands

Target Group
This course is intended for system and network administrators responsible for the configuration and ongoing administration of a BIG-IP Advanced Firewall Manager (AFM) system.

Prerequisites
Students must complete one of the following F5 prerequisites before attending this course:

- Administering BIG-IP instructor-led course

or

- F5 Certified BIG-IP Administrator

The following free web-based 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 web-based training
- Getting Started with BIG-IP Local Traffic Manager (LTM) web-based training
- Getting Started with BIG-IP Advanced Firewall Manager (AFM) 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: HTTP and DNS protocols.*

Status 05/07/2025

This Course in the Web
You can find the up-to-date information and options for ordering under the following link: www.experteach-training.com/go/**FAFM**

Reservation
On our Website, you can reserve a course seat for 7 days free of charge and in an non-committal manner. This can also be done by phone under +49 6074/4868-0.

Guaranteed Course Dates
To ensure reliable planning, we are continuously offering a wide range of guaranteed course dates.

Your Tailor-Made Course!
We can precisely customize this course to your project and the corresponding requirements.

Training		Prices, excl. of V.A.T.
Classes in Germany	**2 Days**	**€ 2,200**
Online Training	**2 Days**	**€ 2,200**
Dates upon request		

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