

# Configuring BIG-IP® APM: Access Policy Manager

This three-day course gives network administrators, network operators, and network engineers a functional understanding of BIG-IP Access Policy Manager as it is commonly deployed in both application delivery network and remote access settings. The course introduces students to BIG-IP Access Policy Manager, its configuration objects, how it is commonly deployed, and how typical administrative and operational activities are performed. The course includes lecture, hands-on labs, interactive demonstrations, and discussions.

## Kursinhalt

- Getting started with the BIG-IP system
- APM Traffic Processing and APM Configuration Wizards
- APM Access Policies, Access Profiles
- Visual Policy Editor, Branches and Endings
- APM Portal Access and Rewrite Profiles
- Single Sign-On and Credential Caching
- APM Network Access and BIG-IP Edge Client
- Layer 4 and Layer 7 Access Control Lists
- APM Application Access and Webtop Types
- Remote Desktop, Optimized Tunnels and Webtop Links
- LTM Concepts including Virtual Servers, Pools, Monitors and SNAT'ing
- APM + LTM Use Case for Web Applications
- Visual Policy Editor Macros
- AAA Servers and Authentication and Authorization with Active Directory and RADIUS
- Endpoint Security with Windows Process Checking, Protected Workspace and Firewalls
- iRules, Customization and SAML

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

## Zielgruppe

This course is intended for network administrators, operators, and engineers responsible for managing the normal day-to-day operation and administration of BIG-IP Access Policy Manager.

## Voraussetzungen

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 Access Policy Manager (APM) 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:**

*Hands-on experience with BIG-IP; Basic web application delivery (BIG-IP LTM); HTML, HTTP, HTTPS as well as some CSS and JavaScript; Telnet, SSH and TLS/SSL; VPN or tunnel encapsulation, Layer 4 NAT and Access Control Lists*

Stand 14.07.2024

## Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: [www.experteach.at/go/FAPM](http://www.experteach.at/go/FAPM)

## 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.	
<b>Termine in Österreich</b>	<b>3 Tage</b>	<b>€ 3.300,-</b>
<b>Online Training</b>	<b>3 Tage</b>	<b>€ 3.300,-</b>
<b>Termin/Kursort</b>	Kurssprache Englisch	
09.10.-11.10.24  Online	04.12.-06.12.24	Online



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## Configuring BIG-IP® APM: Access Policy Manager

### Chapter 1: Setting Up the BIG-IP System

- Introducing the BIG-IP System
- Initially Setting Up the BIG-IP System
- Archiving the BIG-IP Configuration
- Leveraging F5 Support Resources and Tools

### Chapter 2: Configuring Web Application Access

- Review of BIG-IP LTM
- Introduction to the Access Policy
- Web Access Application Configuration Overview
- Web Application Access Configuration in Detail

### Chapter 3: Exploring the Access Policy

- Navigating the Access Policy

### Chapter 4: Managing BIG-IP APM

- BIG-IP APM Sessions and Access Licenses
- Session Variables and sessiondump
- Session Cookies
- Access Policy General Purpose Agents List

### Chapter 5: Using Authentication

- Introduction to Access Policy Authentication
- Active Directory AAA Server
- RADIUS
- One-Time Password
- Local User Database

### Chapter 6: Understanding Assignment Agents

- List of Assignment Agents

### Chapter 7: Configuring Portal Access

- Introduction to Portal Access
- Portal Access Configuration Overview
- Portal Access Configuration
- Portal Access in Action

### Chapter 8: Configuring Network Access

- Concurrent User Licensing
- VPN Concepts
- Network Access Configuration Overview
- Network Access Configuration
- Network Access in Action

### Chapter 9: Deploying Macros

- Access Policy Macros

- Configuring Macros
- An Access Policy is a Flowchart
- Access Policy Logon Agents
- Configuring Logon Agents

### Chapter 10: Exploring Client-Side Checks

- Client-Side Endpoint Security

### Chapter 11: Exploring Server-Side Checks

- Server-Side Endpoint Security Agents List
- Server-Side and Client-Side Checks Differences

### Chapter 12: Using Authorization

- Active Directory Query
- Active Directory Nested Groups
- Configuration in Detail

### Chapter 13: Configuring App Tunnels

- Application Access
- Remote Desktop
- Network Access Optimized Tunnels
- Landing Page Bookmarks

### Chapter 14: Deploying Access Control Lists

- Introduction to Access Control Lists
- Configuration Overview
- Dynamic ACLs
- Portal Access ACLs

### Chapter 15: Signing On with SSO

- Remote Desktop Single Sign-On
- Portal Access Single Sign-On

### Chapter 16: Using iRules

- iRules Introduction
- Basic TCL Syntax
- iRules and Advanced Access Policy Rules

### Chapter 17: Customizing BIG-IP APM

- Customization Overview
- BIG-IP Edge Client
- Advanced Edit Mode Customization
- Landing Page Sections

### Chapter 18: Deploying SAML

- SAML Conceptual Overview

- SAML Configuration Overview

### Chapter 19: Exploring Webtops and Wizards

- Webtops
- Wizards

### Chapter 20: Using BIG-IP Edge Client

- BIG-IP Edge Client for Windows Installation
- BIG-IP Edge Client in Action

### Chapter 21: Configuration Project

