



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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# Configuring BIG-IP APM: Access Policy Manager

**CODE:** F5N\_BIG-EGW-APM      **LENGTH:** 24 Hours (3 dage)      **PRICE:** kr 16,050.00

## Description

This course covers three typical deployment scenarios for BIG-IP Access Policy Manager (APM) and is broken into three individual lessons. In lesson one, you learn how to configure BIG-IP APM to provide Active Directory-based authentication for a load-balanced pool of web servers. Building on that, in lesson two, you learn how to create a policy that provides an SSL VPN (Network Access) resource to users, but only when they log into BIG-IP APM using a corporate-issued PC. Finally, lesson three builds on the first two lessons to create a policy that provides a dynamic landing page with both SSL VPN as well as an OWA (Portal Access) resource, but only to users with special authorization.

### Major Course Changes since v14.1

Configuring BIG-IP APM did not change significantly with version 13.1. Several labs were modified due to changes in Portal Access Support, and because when using Internet Explorer APM does not support Java App Tunnels.

## Objectives

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|--|---|
|  | Introducing the BIG-IP System                     |
|  | Initially Setting Up the BIG-IP System            |
|  | Archiving the BIG-IP Configuration                |
| <b>v13 COURSE OUTLINE</b>                            | <b>Chapter 1: Setting Up the BIG-IP System</b>    |
|  | Leveraging F5 Support Resources and Tools         |
|  | Review of BIG-IP LTM                              |
|  | Introduction to the Access Policy                 |
|  | Web Access Application Configuration Overview     |
| <b>Chapter 2: Configuring Web Application Access</b> | Web Application Access Configuration in Detail    |
| <b>Chapter 3: Exploring the Access Policy</b>        | Navigating the Access Policy                      |
| <b>Chapter 4: Managing BIG-IP APM</b>                | Introduction to Access Policy Authentication      |
| BIG-IP APM Sessions and Access Licenses              | Active Directory AAA Server                       |
| Session Variables and sessiondump                    | RADIUS  |
| Session Cookies                                      | One-Time Password                                 |
| Access Policy General Purpose Agents List            | <b>Chapter 5: Using Authentication</b>            |
|  | Local User Database                               |
| <b>Chapter 6: Understanding Assignment Agents</b>    | List of Assignment Agents                         |
| <b>Chapter 7: Configuring Portal Access</b>          | Concurrent User Licensing                         |
| Introduction to Portal Access                        | VPN Concepts                                      |
| Portal Access Configuration Overview                 | Network Access Configuration Overview             |
| Portal Access Configuration                          | Network Access Configuration                      |
| Portal Access in Action                              | <b>Chapter 8: Configuring Network Access</b>      |
|  | Network Access in Action                          |
|  | Access Policy Macros                              |
|  | Configuring Macros                                |
|  | An Access Policy is a Flowchart                   |
|  | Access Policy Logon Agents                        |
| <b>Chapter 9: Deploying Macros</b>                   | Configuring Logon Agents                          |
| <b>Chapter 10: Exploring Client-Side Checks</b>      | Server-Side Endpoint Security Agents List         |
| Client-Side Endpoint Security                        | <b>Chapter 11: Exploring Server-Side Checks</b>   |
|  | Server-Side and Client-Side Checks Differences    |
|  | Active Directory Query                            |
|  | Active Directory Nested Groups                    |
| <b>Chapter 12: Using Authorization</b>               | Configuration in Detail                           |
| <b>Chapter 13: Configuring AppTunnels</b>            | Introduction to Access Control Lists              |
| Application Access                                   | Configuration Overview                            |
| Remote Desktop                                       | Dynamic ACLs                                      |
| Network Access Optimized Tunnels                     | <b>Chapter 14: Deploying Access Control Lists</b> |
| Landing Page Bookmarks                               | Portal Access ACLs                                |

**Chapter 15: Signing On with SSO** Portal Access Single Sign-On **Chapter 16: Using iRules**

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|--|--|
| iRules Introduction                              | Customization Overview                   |
| Basic TCL Syntax                                 | BIG-IP Edge Client                       |
| iRules and Advanced Access Policy Rules          | Advanced Edit Mode Customization         |
| <b>Chapter 17: Customizing BIG-IP APM</b>        | Landing Page Sections                    |
| SAML Conceptual Overview                         | Webtops                                  |
| <b>Chapter 18: Deploying SAML</b>                | SAML Configuration Overview              |
| <b>Chapter 19: Exploring Webtops and Wizards</b> | Wizards                                  |
| BIG-IP Edge Client for Windows Installation      |  |
| <b>Chapter 20: Using BIG-IP Edge Client</b>      | BIG-IP Edge Client in Action             |
|  | <b>Chapter 21: Configuration Project</b> |

**Audience**

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

**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 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

**Session Dates**

| Date        | Location                         | Time Zone | Language | Type                  | Guaranteed | PRICE        |
|-------------|----------------------------------|-----------|----------|-----------------------|------------|--------------|
| 23 Sep 2024 | Virtual Classroom (CET / UTC +1) | CEDT      | English  | Instructor Led Online |            | kr 16,050.00 |
| 25 Nov 2024 | Virtual Classroom (CET / UTC +1) | CET       | English  | Instructor Led Online |            | kr 16,050.00 |

**Yderligere Information**

[Denne træning er også tilgængelig som træning på stedet. Kontakt os for at finde ud af mere.](#)