



Arrow ECS Finland Oy - Education Services

TRAINING OFFERING

You can reach us at:

Arrow ECS Finland Oy, Lars Sonckin kaari 16, 02600 Espoo, Finland

Email: education.ecs.fi@arrow.com

Phone: 0870 251 1000



Configuring BIG-IP APM: Access Policy Manager v15.1

CODE:	LENGTH:	PRICE:
F5N_BIG-EGW-APM	3 day(s)	€2,995.00

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.

Topics covered in this course include:

- v13 Course Topics
- 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

Objectives

	Introducing the BIG-IP System
	Initially Setting Up the BIG-IP System
	Archiving the BIG-IP Configuration
v13 COURSE OUTLINE Chapter 1: Setting Up the BIG-IP System	Leveraging F5 Support Resources and Tools
	Review of BIG-IP LTM
	Introduction to the Access Policy
	Web Access Application Configuration Overview
Chapter 2: Configuring Web Application Access	Web Application Access Configuration in Detail
Chapter 3: Exploring the Access Policy	Navigating the Access Policy
	Chapter 4: Managing BIG-IP APM
	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	Chapter 5: Using Authentication Local User Database
Chapter 6: Understanding Assignment Agents	List of Assignment Agents
Chapter 7: Configuring Portal Access	

Introduction to Portal Access		Concurrent User Licensing
Portal Access Configuration Overview		VPN Concepts
Portal Access Configuration		Network Access Configuration Overview
Portal Access in Action		Network Access Configuration
	Chapter 8: Configuring Network Access	Network Access in Action
	Access Policy Macros	
	Configuring Macros	
	An Access Policy is a Flowchart	
	Access Policy Logon Agents	
Chapter 9: Deploying Macros	Configuring Logon Agents	Chapter 10: Exploring Client-Side Checks
		Server-Side Endpoint Security Agents List
Client-Side Endpoint Security	Chapter 11: Exploring Server-Side Checks	Server-Side and Client-Side Checks Differences
	Active Directory Query	
	Active Directory Nested Groups	
Chapter 12: Using Authorization	Configuration in Detail	Chapter 13: Configuring AppTunnels
Application Access		Introduction to Access Control Lists
Remote Desktop		Configuration Overview
Network Access Optimized Tunnels		Dynamic ACLs
Landing Page Bookmarks	Chapter 14: Deploying Access Control Lists	Portal Access ACLs
	Remote Desktop Single Sign-On	
Chapter 15: Signing On with SSO	Portal Access Single Sign-On	Chapter 16: Using iRules
		Customization Overview
iRules Introduction		BIG-IP Edge Client
Basic TCL Syntax		Advanced Edit Mode Customization
iRules and Advanced Access Policy Rules	Chapter 17: Customizing BIG-IP APM	Landing Page Sections
	SAML Conceptual Overview	
		Webtops
Chapter 18: Deploying SAML	SAML Configuration Overview	Chapter 19: Exploring Webtops and Wizards
		Wizards
	BIG-IP Edge Client for Windows Installation	
Chapter 20: Using BIG-IP Edge Client	BIG-IP Edge Client in Action	Chapter 21: Configuration Project

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

More information - please look on F5 webpage under "Education"

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
26 Sep 2022	Virtual Classroom (CET / UTC +1)	CEDT	English	Instructor Led Online		€2,995.00
28 Nov 2022	Virtual Classroom (CET / UTC +1)	CET	English	Instructor Led Online		€2,995.00

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)