EMENTA DO CURSO

Configuring BIG-IP Access Policy Manager (APM)

Código: **EDU-F5-APM** Categoria: **F5**

InLearn

PÚBLICO

This course is intended for system and network administrators responsible for the installation, configuration, and administration of the BIG-IP APM system.

PRÉ-REQUISITOS

Students must complete one of the following F5 prerequisites before attending this course:
Administering BIG-IP (ADM)
F5 Certified BIG-IP Administrator
Administering BIG-IP Equivalency Assessment

General network technology knowledge and experience are recommended before attending any F5 Global Training Services instructor-led course, including OSI model encapsulation, routing and switching, Ethernet and ARP, TCP/IP concepts, IP addressing and subnetting, NAT and private IP addressing, NAT and private IP addressing, default gateway, network firewalls, and 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

VISÃO

Learn how to set up and operate BIG-IP Access Policy Manager to protect your enterprise network and your data center using remote access methods such as SSL VPN, per-application layer 4 and reverse proxy layer 7 access methods as well as remote desktop access using Microsoft, Citrix and VMware protocols. Learn how to protect applications by adding Access Policies to BIG-IP LTM virtual servers that allow or deny user access based on a set of conditions, such as user authentication using Active Directory or RADIUS or by determining if the client is running up-to-date anti-virus or firewall software.

Discover how to configure multiple resources using the aforementioned remote access methods, to provide applications such as SSH or Windows desktop to remote servers. With multiple resources created, dynamically assign resources based on the level of trust determined by conditions such as a user's group membership, the client IP address geolocation information, the status of applications running on the client, and other available information. See how to craft complicated policies using easy-to-learn graphical flowcharting techniques that are quick to update and simple to propagate.

Learn how to use SSO techniques to make applications more accessible and more secure using credential reuse or federated single sign-on such as SAML – including both SP and IdP use cases. Review underlying technology and discuss typical use cases. Complete hands-on labs to reinforce each new topic as well as instill confidence for using the BIG-IP system in a production environment.

CONTEÚDO

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

Próximas turmas

17/11/2026

Carga horária	24 horas
Modalidade	Online
Horário	09:00 às 18:00

Confirmado

27/01/2027

Carga horária	24 horas
Modalidade	Online
Horário	09:00 às 18:00

Prevista

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