F5 Networks

F5APM14X: F5 Networks Configuring BIG-IP APM v14: Access Policy Manager

$3,630.00

- 3 Days

Upcoming Dates

Course Description

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 commonly deployed, and how typical administrative and operational activities are performed. The course includes lecture, hands-on labs, interactive demonstrations, and discussions.

Course Outline

Lesson 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

Lesson 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

Lesson 3: Exploring the Access Policy

- Navigating the Access Policy

Lesson 4: Managing BIG-IP APM

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

Lesson 5: Using Authentication

- Introduction to Access Policy Authentication
- Active Directory AAA Server
- RADIUS

- One-Time Password
- Local User Database

Lesson 6: Understanding Assignment Agents

- List of Assignment Agents

Lesson 7: Configuring Portal Access

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

Lesson 8: Configuring Network Access

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

Lesson 9: Deploying Macros

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

Lesson 10: Exploring Client-Side Checks

- Client-Side Endpoint Security

Lesson 11: Exploring Server-Side Checks

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

Lesson 12: Using Authorization

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

Lesson 13: Configuring App Tunnels

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

Lesson 14: Deploying Access Control Lists

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

Lesson 15: Signing On with SSO

- Remote Desktop Single Sign-On

- Portal Access Single Sign-On

Lesson 16: Using iRules

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

Lesson 17: Customizing BIG-IP APM

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

Lesson 18: Deploying SAML

- SAML Conceptual Overview
- SAML Configuration Overview

Lesson 19: Exploring Webtops and Wizards

- Webtops
- Wizards

Lesson 20: Using BIG-IP Edge Client

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

Lesson 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

Administering BIG-IP; basic familiarity with authentication mechanisms (e.g. LDAP, Active Directory) and webserver technologies (e.g. HTTP, HTML)

What You Will Learn