

F5 Networks Configuring BIG-IP APM v12: Access Policy Manager (F5-APM-12)

Modality: Virtual Classroom

Duration: 3 Days

About this Course:

The course incorporates addresses, hands-on labs, lectures, discussions, and interactive demonstrations.

Salary Estimate:

The normal pay for Network Administrator is \$65,928 annually.

Course Objective:

- After successful completion of this course, applicants will be able to:
- Ready to work with the BIG-IP System
- APM Access Profiles and Access Policies
- APM Configuration Wizards and APM Traffic Processing
- APM WebTop Types and Application Access
- APM Rewrite Profiles and Portal Access
- Visual Policy Editor, Endings, and Branches
- LTM Concepts comprising Virtual Pools, Servers, Monitors and SNAT'ing
- Access of APM Network and BIG-IP Edge Client
- Credential and Single Sign-On Caching
- Access Control Lists of Layer 4 and Layer 7
- Visual Policy Editor Macros
- Optimized Tunnels, Remote Desktop, and WebTop Links
- Endpoint Security with Windows Protected Workspace, Process Checking, and Firewalls
- LTM + APM Use Case for Web Applications
- Customization, iRules, and SAML
- AAA Servers and Authorization and Authentication with Active RADIUS and Directory

Targeted Audience:

This course is proposed for:

Network operators, administrators, and engineers in charge of managing the day-to-day usual tasks and administration of BIG-IP Access Policy Manager.

Prerequisites:

- The Instructor-led course of Administering BIG-IP
- F5 Certified BIG-IP Administrator

Recommended prerequisites courses:

- F5-NetAdmin-v12 - F5 Networks Administering BIG-IP v12
- F5-LTMv12 - Local Traffic Manager: F5 Networks Configuring BIG-IP LTM v12

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