F5 304

F5 BIG-IP APM Specialist Certification Questions & Answers

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F5 304

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Discover More about the F5 304 Certification

Are you interested in passing the F5 304 exam? First discover, who benefits from the F5 304 certification. The F5 304 is suitable for a candidate if he wants to learn about Specialist. Passing the F5 304 exam earns you the F5 Certified Technology Specialist - BIG-IP Access Policy Manager (F5-CTS APM) title.

While preparing for the F5 304 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The F5 304 PDF contains some of the most valuable preparation tips and the details and instant access to useful **F5 304 study materials just at one click.**

F5 304 BIG-IP APM Specialist Certification Details:

Exam Name	F5 Certified Technology Specialist - BIG-IP Access Policy Manager (F5-CTS APM)
Exam Code	304
Exam Price	$180 (USD)
Duration	90 mins
Number of Questions	80
Passing Score	245 / 350
Books / Training	**F5 Training Programs**
Schedule Exam	**Pearson VUE**
Sample Questions	**F5 BIG-IP APM Specialist Sample Questions**
Practice Exam	**F5 304 Certification Practice Exam**

F5 304 Syllabus:

Topic	Details
AUTHENTICATION, AUTHORIZATION, AND ACCOUNTING (AAA), SINGLE SIGN-ON (SSO), FEDERATED AUTHORIZATION, MOBILE DEVICE MANAGEMENT (MDM)	
Explain how to configure different types of AAA methods	- Configure AAA objects - Microsoft Active Directory, LDAP, Radius, RSA SecurID, TACACS, (Kerberos/NTLM, Client Cert auth), end-point management system profile

Topic	Details
Demonstrate knowledge of the network requirements for each authentication service type	- Demonstrate ability to test and validate connectivity to each authentication service (adtest output, ldapsearch output)
Explain how to configure SSO objects	- Determine specific SSO object requirements (e.g. Kerberos SPN requirements) - Determine when to choose one type of SSO over another
Explain how to configure SAML as an SP and/or IdP	- Integrate BIG-IP APM Service Provider (SP) with external vendor IdP (e.g. PING, Okta, SaaS, etc.) Configure Single Logout (SLO)
NETWORK AND APPLICATION ACCESS	
Explain how to configure SSL VPN manually or using a wizard	- Determine which option is appropriate to use: Network access, Portal access, Web Application access (APM/LTM Mode) - Choose appropriate Webtop type: Full, Network Access, Portal Access
Explain how to configure Network Access Profiles	- Configure profile settings (e.g. Connectivity profile options, Edge Client Options and updates, SNAT) - Configure App Optimization
Explain how to configure portal access	- Determine the appropriate level of patching - Evaluate global ACL order - Configure Resource Items
Explain how to configure application access	- Configure Remote Desktop access (e.g. Launching applications, Custom Parameters) - Deploy Citrix Bundle - Configure App Tunnels
Explain how to configure Web Access Management (LTM-APM Mode)	- Configure pool and virtual server - Determine when to use Web Access Management
VISUAL POLICY EDITOR	
Explain how to configure authentication and logon objects in VPE	- Configure an auth and/or query object (e.g. Determine group membership, Configure required

Topic	Details
	attributes) - Add appropriate logon page type
Explain how to configure resource/custom variables	- Set up SSO credential mapping - Assign Webtops dynamically - Configure variable assignment
Explain how to configure VPE flow with multiple branches and objects	- Determine policy ending types (allow, deny, redirect) - Use a message box to display a variable in a VPE - Assign custom session variables
Explain how to configure and apply macros	- Use a macro to combine multiple VPE objects - Demonstrate an understanding of differences in creating a macro versus an access policy
DEPLOY AND MAINTAIN iAPPS	
Determine when to use an iApp	- Import and deploy supported iApp templates - Determine the min/max BIG-IP module versions supported by a specific iApp template - Determine which BIG-IP modules are required to deploy a specific iApp template
Apply procedural concepts to maintain iApps	- Reconfigure a deployed iApp to update objects - Identify iApp used to deploy an object
Determine appropriate applications for enabling/disabling strict updates	- Make manual changes to a deployed application service - Demonstrate an understanding of the impact of disabling strict updates
ADMINISTRATING AND TROUBLESHOOTING BIG-IP APM	
Apply procedural concepts to manage and maintain access profiles	- Determine proper use of profile scope (e.g. profile, virtual server, global) - Tune policy settings (e.g. multiple concurrent users, limit active sessions per IP address)
Perform basic customizations of the U/I	- Apply corporate branding (i.e. adding a logo, footer, logon form) - Add additional languages for browser localization
Demonstrate an understanding of how High Availability applies	- Demonstrate an understanding of the limitation of two units per HA pair and traffic group

Topic	Details
to BIG-IP APM (with respect to end users, policy sync, device fail-over)	- Configure Access Policy Sync (e.g. Configuring local objects vs global, validate access policy sync)
Explain provisioning/licensing for BIG-IP APM	- Update an existing license for BIG-IP APM - Consider CCU utilization for different types of access policy deployments
Apply procedural concepts to gather relevant data	- Gather data from relevant BIG-IP tools (e.g. session reports, session variables, tcpdump, ssldump, sessiondump, APM log) - Add debug logic to APM iRules - Configure Debug logging
Determine root cause	- Compare expected vs actual behaviors based on problem description - Analyze and correlate all collected data (client/BIG-IP/serverside) to understand where a failure occurred - Determine cause of EPSEC failures
SECURITY	
Explain how BIG-IP APM mitigates common attack vectors and methodologies	- Demonstrate an understanding of how the BIG-IP solution mitigates common security risks (e.g., cookiehijacking, DoS attacks) - Determine which features of the BIG-IP device mitigate common DoS attacks - Deploy GeoIP and IP intelligence in the VPE to protect resources
Determine which BIG-IP APM features should be used to mitigate a specific authentication attack	- Configure logging - Configure objects needed to deploy MFA - Configure SNMP traps
Apply procedural concepts to manage user sessions	- Identify user session details - Demonstrate an understanding of BIG-IP APM session cookies
Identify use cases of Secure Web Gateway (SWG)	- Compare transparent vs explicit proxy deployments - Determine the purpose of SWG

Topic	Details
Describe access policy timeouts as related to security	- Describe the differences between inactivity timeout, access policy timeout, and maximum session timeout
Explain how to configure and manage ACLs	- Explain how ACLs are deployed by default when creating a policy - Explain when a layer 4 or layer 7 ACL would be needed
Demonstrate an understanding of network security requirements for application access	- Demonstrate an understanding of TCP/UDP ports required for application services
Apply procedural concepts to implement EPSEC	- Configure client-side checks (e.g. anti-virus, firewall, registry) - Update and install EPSEC software

Broaden Your Knowledge with F5 304 Sample Questions:

Question: 1

How does BIG-IP APM handle Access Policy Sync to ensure consistency across HA devices?

- a) It synchronizes access policies globally for all virtual servers.
- b) It requires manual configuration for local objects on each device.
- c) It synchronizes access policies locally within each traffic group.
- d) It uses DNS-based synchronization for global policy settings.

Answer: c

Question: 2

When would you need to use a Layer 4 ACL in BIG-IP APM instead of a Layer 7 ACL?

- a) When filtering traffic based on source IP addresses only
- b) When enforcing access policies based on user roles and groups
- c) When inspecting application data and URL patterns
- d) When configuring IP Intelligence for GeoIP-based access controls

Answer: a

Question: 3

When is it appropriate to use Web Access Management (LTM-APM Mode) in Citrix ADC configurations?

a) To optimize application traffic for remote users
b) To provide a customizable web portal for accessing resources
c) To manage network access policies for specific user groups
d) To enforce granular access control and security policies for applications

Answer: d

Question: 4

How can administrators perform basic customizations of the BIG-IP APM user interface without affecting access policies? (Select all that apply)

a) Editing the HTML code of the logon page
b) Using iRules to manipulate the login process
c) Enabling strict updates for the access profiles
d) Modifying the Cascading Style Sheets (CSS) of the web portal

Answer: a, d

Question: 5

To configure TACACS as an AAA method on BIG-IP APM, which of the following is required?

a) A pre-shared key for secure communication with the TACACS server.
b) An SSL certificate issued by the TACACS server.
c) A user account on the BIG-IP APM with administrator privileges.
d) A RADIUS server configured as a fallback authentication method.

Answer: a

Question: 6

What is the primary use case of a Secure Web Gateway (SWG) in BIG-IP APM deployments?

a) To protect resources from DDoS attacks
b) To provide web filtering and content security services
c) To enforce access policies for specific user groups
d) To enable Multi-Factor Authentication (MFA) for user logins

Answer: b

Question: 7

To configure BIG-IP APM as a Service Provider (SP) with an external vendor IdP, what information is typically exchanged between the two systems to establish trust?

- a) A shared secret for encrypting SSO requests and responses.
- b) An SSL certificate for secure communication between SP and IdP.
- c) Metadata containing SP and IdP configuration details.
- d) A session token for maintaining user state during the SSO process.

Answer: c

Question: 8

What should be analyzed and correlated when troubleshooting a failure in BIG-IP APM to determine the root cause?

- a) Session reports, session variables, and application response times
- b) TCPdump data, APM log, and client-side error messages
- c) BIG-IP system logs, SSL handshake details, and virtual server configurations
- d) EPSEC status codes, session timeouts, and access policy configurations

Answer: b

Question: 9

In which scenarios is it appropriate to enable strict updates in an iApp configuration?

(Select all that apply)

- a) When regularly updating the iApp template files
- b) When deploying critical application services that require high availability
- c) When needing to prevent manual changes to a deployed application service
- d) When deploying an iApp on a test or development environment

Answer: a, c

Question: 10

Which procedural concepts are essential for maintaining iApps? (Select all that apply)

- a) Regularly updating the iApp template files
- b) Monitoring application traffic using the BIG-IP device
- c) Backing up iApp configurations and templates
- d) Periodically reviewing iApp documentation

Answer: a, c, d

Avail the Study Guide to Pass F5 304 BIG-IP APM Specialist Exam:

- Find out about the F5 304 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **F5 304 syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the **BIG-IP APM Specialist training.** Joining the F5 provided training for this F5 certification exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the **F5 304 sample questions** and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. F5 304 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

Passing the F5 304 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

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