



Free Questions for 301a

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Question 1

Question Type: MultipleChoice

An LTM Specialist has detected that a brute force login attack is occurring against the SSH service via a BIG-IP management interface. Login attempts are occurring from many IPs within the internal company network. BIG-IP SSH access restrictions are in place as follows:

```
root@bigip1 (cfg-sync standalone) (Active) (/Common) (tmsh) # list /sys sshd
sys sshd (
  allow { 10.0.0.0/8, 172.16.0.0/12, 192.168.0.0/16 }
  inactivity-timeout 900
)
```

The LTM Specialist has determined that SSH access should only occur from the 192.168.1.0/24 and 172.16.254.0/23 networks.

Which tmsh command should the LTM Specialist use to permit access from the desired networks only?

Options:

- A- modify sys sshd allow add {"192.168. 10/24 , " "172. 16 2540/23"}
- B- modify /sys sshd login disable ("10.0.00/8", "172 16.0 0/12", "192. 168.0.0/16")
- C- modify/sys allow replace-all-with {"192.168.1.00/24", "192.16.254.0/23"}
- D- modify/sys sshd login enable {"192.166.10/24"" "172.16 254 0/23

Answer:

C

Explanation:

Select C to overwrite the existing network's allow configuration over the specified network segment.

Question 2

Question Type: MultipleChoice

Remote office users are having performance issues with a virtual hosted on the F5 LTM. The LTM Specialist reviews the configuration for the virtual server and determine that some settings are set with default profiles.

Which profile should the LTM Specialist enable to improve virtual server performance?

Options:

- A- A WAN optimized client side profile
- B- A FastL4 profile on the virtual server
- C- An HTTP profile for the virtual server
- D- A Stream profile for the remote user networks

Answer:

A



Explanation:

The key word is that there are performance problems with Remote office users, not F5. The user experience can be improved through TCP optimization. The expression should be 'wan-tcp-wan-optimized' in Protocol Profile (Client)

Question 3

Question Type: MultipleChoice

An application is making heavy use of a large, high-quality JPEG image file. An LTM Specialist needs to enhance page load times without increasing server load.

Which profile should be applied to the virtual server to perform this task?

Options:

- A- Response Adapt
- B- OneConnect
- C- FastHTTP
- D- Web Acceleration

Answer:

D



Question 4

Question Type: MultipleChoice

An LTM Specialist needs to apply SNAT using currently used SNAT pool to a new virtual server.

What needs to be completed before applying that configuration change?

Options:

- A- Review connection for the selected SNAT pool and enlarge it if appropriate
 - B- Make sure that the BIG-IP device is NOT operating under heavy load during peak times
 - C- Verify that the IP address of the SNAT pool are in the same subnet as the pool members
 - D- Verify that the IP address of the SNAT pool are in the same VLAN as the pool members.
- SNAT does not need to in the same vlan or same network segment as the pool member, as long as the route is reachable , excluding C and D he connection information of the SNAT pool to avoid port exhaustion under high concurrency

Answer:

A

Question 5

Question Type: MultipleChoice

An LTM is configure an application that is separated into several subdomains across multiple virtual servers. Many of these subdomains require encryption and could be accessed by anyone on the internet. The configuration must NOT result in SSL warnings to end users.

How should the LTM Specialist configure the SSL profiles for these virtual servers?

Options:

- A- Obtain an SSL certificate for each subdomain, make a ServerSSL profile for each subdomain, and apply to the related SSL Virtual Server.
- B- Obtain a wildcard certificate, create one ClientSSL profile and apply to all SSL Virtual Servers
- C- Create a self-singed SSL certificate for each subdomain make a ClientSSL profile for each subdomain, and apply to the related SSL Virtual server
- D- Create a self-singed SSL certificate for each subdomain make a Client profile for each SSL Virtual Server

Answer:

B

Explanation:

The topic is that there are multiple domain names in the business, and HTTPS services are provided to the internet, and users cannot be allowed to generate SSL alarms. They require client ssl and use CA certificate instead of self-signed certificate. And multiple domain names, you can use wildcard certificates.

Question 6

Question Type: MultipleChoice

An LTM Specialist needs to configure a virtual server to terminate SSL connection on the LTM device.

Cryptographic information must be re-authorized for SSL sessions that remain open for longer than 30 seconds.

Which settings should the LTM Specialist configure in the client SSL profile?

Options:

- A- set the Handshake Timeout to 30 seconds
- B- enable Require Peer SN1 Support
- C- set the Renegotiate Period to 30 seconds
- D- set the Renegotiate Max Record Delay to 30

Answer:

C

Question 7

Question Type: MultipleChoice

An LTM device is configured with the wildcard virtual servers displayed below.

A client connection is made to 172.24.31.14:443.

Options:

- A- VS_172_24_1_WILDCARD
- B- VS_HTTP_WILDCARD
- C- VS_172_24_WILDCARD
- D- VS_HTTPS_WILDCARD

Answer:

C

Explanation:

Match the network segment first and then port.



Question 8

Question Type: MultipleChoice

An LTM Specialist must reconfigure a BIG-IP LTM system that load balances traffic to web application servers. The application developer inform the LTM Specialist that TLS must be used to communicate

with the application servers.

Which additional profile is required as part of virtual server configuration?

Options:

- A- SPDV profile
- B- Server SSL
- C- Client SSL
- D- Rewrite profile

Answer:

B

Question 9

Question Type: MultipleChoice

An LTM Specialist decides to offload SSL traffic on the LTM device instead of just passing it through. The LTM Specialist needs to change the configure from a Performance (Layer 40 virtual server to a Standard virtual server with SSL offload.

Which two element the LTM Specialist consider when performance this task? (Choose two.)

Options:

- A- CPU load
- B- Sensitive connections
- C- Port exhaustion
- D- Memory load
- E- Connection mirroring



Answer:

A, D

Question 10

Question Type: MultipleChoice

When importing a PEM formatted SSL certificate, which text needs to appear first in the file?

Options:

- A- --START CERTIFICATE....
- B- ...BEGIN CERTIFICATE....
- C- ...SECURITY CERTIFICATE....
- D- ...SSL CERTIFICATE....



Answer:

B

Question 11

Question Type: MultipleChoice

A virtual server is configured to handle https traffic. The clientssl profile is configured to use

a2048-bit RSA key. Due to security requirements, is the LTM Specialist needs to use a 4096-bit RSA key in the future.

What two effects will this change have on the BIG-IP device? (Choose two)

Options:

- A- Increase of CPU usage on the BIG-IP device
- B- Decrease to 20% of licensed TPS
- C- Decrease to 90% of licensed TPS
- D- Increased of concurrent connection on client-side
- E- Increase of TLS Renegotiation

Answer:

A, B

Question 12

Question Type: MultipleChoice

An LTM Specialist must create a new virtual server for HTTP access. The LTM Specialist creates a forwarding virtual server to reach the resource.

What is a potential result of this action?

Options:

- A- IP conflict result
- B- HTTP traffic is NOT allowed
- C- Other service ports could be allowed
- D- Packet filter allowances are also required

Answer:

B

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