

# 301A<sup>Q&As</sup>

BIG-IP LTM Specialist: Architect, Set up, Deploy

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### QUESTION 1

A BIG IP device delivers the online shopping website <https://shop.example.com>. Two pool members handle the traffic. An iRule directs requests with the http parameter "environment=development" to a third pool member for a staging environment.

Which combination of profiles is needed at minimum?

- A. tcp, http, request logging
- B. tcp, http, clientssl
- C. tcp, clientssl, serverssl
- D. http, clientssl, persistence

Correct Answer: B

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### QUESTION 2

AN LTM Specialist needs to determine the delay between an LTM device and the internal web server for a specific client.

Which two AVR reporting options should the LTM Specialist enable to measure the delay? (Choose two.)

- A. User agents
- B. Methods
- C. Response codes
- D. Server latency
- E. Client IP

Correct Answer: DE

The problem is to specify the server delay of the client

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### QUESTION 3

An LTM Specialist configures a new virtual server with a single pool member. The LTM Specialist has NOT defined a health monitor for the pool, pool member or node.

What is the status of the virtual server?

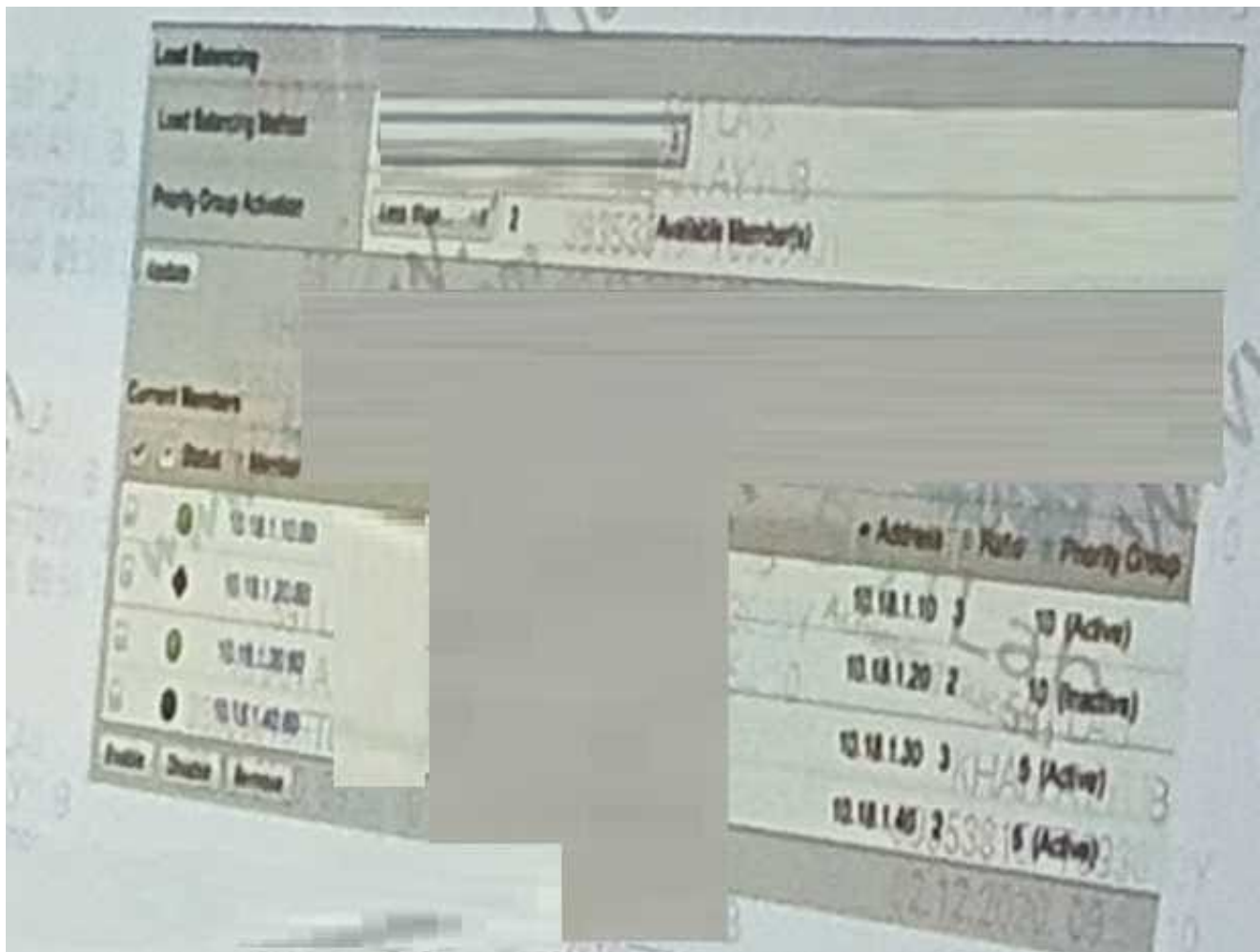
- A. Available (Enabled)

- B. Offline (Disabled)
- C. Unavailable (Enabled)
- D. Unknown (Enabled)

Correct Answer: D

#### QUESTION 4

Refer to the exhibit.



The pool shown is configured with four pool members in a variety of states. The application is receiving a large number of request. The LTM Specialist needs to make changes to make sure that all members receive the same levels of traffic.

Which changes need to be made?

- A. Enable 10.80.1.40 disable priority group activation, enable ratio
- B. Enable 10.80.1.40 and 10.80.1.1.20 disable group activation, enable Round Robin

- C. Enable 10.80.1.20 disable priority group activation, enable Round Robin
- D. Enable 10.80.1.40 and 10.80.1.20 disable priority group activation, enable ratio.

Correct Answer: B

#### QUESTION 5

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?

- 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

Correct Answer: B

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. The require client ssl and use CA certificate instead of self-singed certificate. And multiple domain names, you can use wildcard certificates.

#### QUESTION 6

An LTM Specialist must reconfigure a BIG-IP system that load balances traffic to a web application. The security department has informed the LTM Specialist that the following cipher string must be used for TLS connections from BIG-IP to the web application.

NATIVE:IMDS:EXPORT:IDHE:EDH@SPEED

In which virtual server profile should the cipher string be configured?

- A. Server SSL
- B. Client SSL
- C. SPDY profile
- D. Rewrite profile

Correct Answer: A

Require SSL and flow F5 to server, server ssl

#### QUESTION 7

In an iApp, which configuration protects against accidental changes to an application Services configuration?

- A. Components
- B. Strict Updates
- C. Name
- D. Template

Correct Answer: B

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#### QUESTION 8

The web application team requests help from the LTM Specialist to Improve the performance of their web sites that are load balanced by the F5 LTM device with a Standard Virtual Server. Which virtual server type will improve the performance of the web application servers?

- A. Performance (HTTP)
- B. Performance (Layer 4)
- C. Stateless
- D. Forwarding (IP)

Correct Answer: A

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#### QUESTION 9

Exhibit.



The LTM devices LTM1 and LTM2 are configured in a Device Group (Sync Failover) with Network Failover configured on both the management and HA and Internal VLANs. and ConfigSync is configured in a Device Group (Sync Failover) with Network Failover and internal are tagged on a single trunk with subnets Connection Mirroring is configured on both the HA interface directly connected between LTM1 and LTM2, and the management interface is connected to a management switch. The LTM devices have four Traffic Groups defined, and both LTM devices are healthy and capable of passing traffic for any of the Traffic Groups. An LTM Specialist disconnects the cable for the HA network in an effort to test failover. Which HA functionality works in this case?

- A. ConfigSync does NOT work. Connection Mirroring floes NOT work.
- B. ConfigSync works Connection Mirroring works
- C. ConfigSync works. Connection Mirroring docs NOT work
- D. ConfigSync does NOT work; Connection Mirroring works

Correct Answer: D

#### QUESTION 10

Exhibit.



An LTM Specialist needs to configure VS\_HTTP and VS\_DB for an online shopping site. The VS\_HTTP passes the client requests to the web servers. The web servers query the database servers through the VS\_DB. Initially, the LTM Specialist finds the database servers directly return the packets to the web servers. which setting must be enabled for the configuration to function correctly?

- A. VS\_HTTP snat auto map
- B. VS.HTTP auto last hop
- C. VS DB auto last hop
- D. VS\_DB snat auto map

Correct Answer: C

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#### QUESTION 11

A BIG IP system load balances connections to a web application. A TCP-based Denial of Service attack against the web application is occurring, which has caused very high memory utilization on the LTM device due to stale TCP connections.

Which TCP profile option should be used to reduce memory utilization?

- A. Idle timeout
- B. Reset on timeout
- C. Slow Start
- D. Multipath TCP

Correct Answer: A

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#### QUESTION 12

An LTM Specialist needs to configure virtual server that uses PVA or OPVA Which virtual server type should be used?

- A. Stateless
- B. Performance (HTTP)
- C. Standard
- D. Performance (Layer 4)

Correct Answer: D

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#### QUESTION 13

An LTM Specialist has recently taken over administration of an LTM device that has experienced resource availability issues. The LTM device will need to be solely used for load balancing and SSL offload. Previously, the LTM device was also used to provide statistical analysis of application traffic. However, that functionality has been moved to a third party solution. Based on the output below, which configuration change should be made to ensure the LTM module receives the most amount of resources?





- A. Provision AVR to Minimum. Provision LTM at Maximum
- B. Provision AVR to none. Provision LTM to Dedicated
- C. Provision AVR to Minimum, Provision LTM to Dedicated
- D. Provision LTM to Dedicated, Provision AVR to Dedicated

Correct Answer: B

#### QUESTION 14

An LTM Specialist needs to load balance an application using an LTM device to meet the requirements:

1.  
The application servers do NOT Support SSL, but client access to the application should be secured.
  2.  
Multiple requests from the same client should be sent to the same pool member.
  3.  
All pool members will have roughly the same processing power, and traffic should be distributed evenly.
- The LTM device is NOT the pool members\' default gateway. Which configuration should the LTM Specialist.
- A. a performance 14 virtual server with a SNAT and cookie persistence
  - B. a performance L4 virtual server with a Client SSL profile and Source Address persistence
  - C. A performance L4 virtual server with a SNAT, HTTP profile. Server SSL profile, and cookie persistence
  - D. A standard virtual server with a SNAT, HTTP profile Server SSL profile, and cookie persistence
  - E. A standard virtual server with a SNAT, HTTP profile, Client profile, and cookie persistence.

Correct Answer: E



#### QUESTION 15

AN LTM Specialist is using an external monitor evaluate the hard drive usage of a node. The monitor has marked the node down because it exceeded the specific threshold. The disk usage on the server has been corrected below the threshold, however, the node remains offline.

Which feature is causing this problem?

- A. The parameter Time Until UP has a value greater than 0
- B. The value of Manual Resume is set to No
- C. The value for UP interval is enable with a value greater than 0
- D. The value for Manual Resume is set to Yes

Correct Answer: D

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