



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

BIG-IP Local Traffic Manager (LTM) Specialist: Maintain & Troubleshoot

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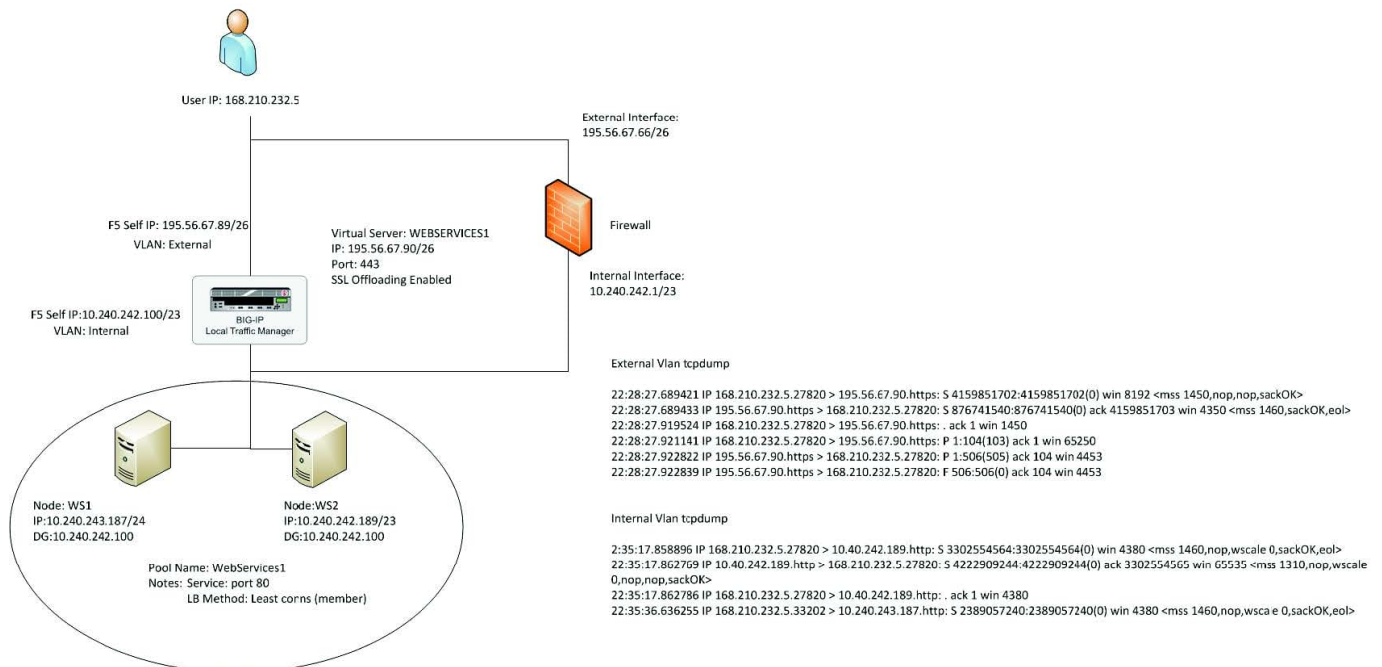
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## QUESTION 1

-- Exhibit



-- Exhibit -Refer to the exhibit.

An LTM Specialist has a virtual server set up on the LTM device as per the exhibit. The LTM Specialist receives reports of intermittent issues. Some clients are connecting fine while others are failing to connect.

The LTM Specialist does a tcpdump on the relevant interfaces, with the following results extracted:

What is causing the intermittent issues?

- A. The firewall is dropping the packets from WS1.
- B. The default gateway is inaccessible from WS1.
- C. The load balancing (LB) method is inappropriate.
- D. The pool members have been set up as an active/standby pair, with WS1 as the standby.

Correct Answer: B

## QUESTION 2

An LTM Specialist has configured a virtual server for [www.example.com](http://www.example.com), load balancing connections to a pool of application servers that provide a shopping cart application. Cookie persistence is enabled on the virtual server. Users are able to connect to the application, but the user's shopping cart fails to update. A traffic capture shows the following:



Request: GET /cart/updatecart.php HTTP/1.1 Host: www.example.com Connection: keep-alive Cache-Control: max-age=0 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_7\_5) AppleWebKit/537.4 (KHTML, like Gecko) Chrome/22.0.1229.94 Safari/537.4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8 Accept-Encoding: gzip,deflate,sdch Accept-Language: en-US,en;q=0.8 Accept-Charset: ISO-8859-1,utf-8;q=0.7,\*;q=0.3 Cookie: BIGipServerwebstore\_pool=353636524.20480.0000

Response: HTTP/1.1 200 OK Date: Wed, 24 Oct 2012 18:00:13 GMT Server: Apache/2.2.22 (Ubuntu) X-Powered-By: PHP/5.3.10-1ubuntu3.1 Set-Cookie: cartID=647A5EA6657828C69DB8188981CB5; path=/; domain=wb01.example.com Keep-Alive: timeout=5, max=100 Connection: Keep-Alive Content-Type: text/html

No changes can be made to the application.

What should the LTM Specialist do to resolve the problem?

- A. Use an iRule to rewrite the cartID cookie domain.
- B. Create a universal persistence profile on the cartID cookie.
- C. Enable source address persistence as a fallback persistence method.
- D. Create a cookie persistence profile with "match across services" enabled.

Correct Answer: A

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### QUESTION 3

An F5 LTM Specialist needs to perform an LTM device configuration backup prior to RMA swap. Which command should be executed on the command line interface to create a backup?

- A. bigpipe config save /var/tmp/backup.ucs
- B. tmsh save /sys ucs /var/tmp/backup.ucs
- C. tmsh save /sys config /var/tmp/backup.ucs
- D. tmsh save /sys config ucs /var/tmp/backup.ucs

Correct Answer: B

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### QUESTION 4

-- Exhibit



```
1 1 0.2423 (0.2423) C>S Handshake
    ClientHello
        Version 3.2
        cipher suites
            TLS_DHE_RSA_WITH_AES_256_CBC_SHA
            TLS_DHE_DSS_WITH_AES_256_CBC_SHA
            TLS_DHE_DSS_WITH_3DES_EDE_CBC_SHA
            TLS_RSA_WITH_3DES_EDE_CBC_SHA
        compression methods
            NULL
Unknown SSL content type 72
1 2 0.2432 (0.0008) S>CShort record
1 0.2432 (0.0000) S>C TCP FIN
New TCP connection #2: 168.210.232.5(24782) <-> 193.33.229.103(443)
2 1 0.2393 (0.2393) C>S Handshake
    ClientHello
        Version 3.2
        cipher suites
            TLS_DHE_RSA_WITH_AES_256_CBC_SHA
            TLS_DHE_DSS_WITH_AES_256_CBC_SHA
            TLS_DHE_DSS_WITH_3DES_EDE_CBC_SHA
            TLS_RSA_WITH_3DES_EDE_CBC_SHA
        compression methods
            NULL
Unknown SSL content type 72
2 2 0.2404 (0.0010) S>CShort record
2 0.2404 (0.0000) S>C TCP FIN
2 3 0.4738 (0.2333) C>S Alert
    level          fatal
    value          unexpected_message
2 0.4742 (0.0003) C>S TCP FIN
1 3 0.4857 (0.2425) C>S Alert
    level          fatal
    value          unexpected_message
1 0.4857 (0.0000) C>S TCP FIN
```

-- Exhibit -Refer to the exhibit.

A client attempts to connect from a Google Chrome browser to a virtual server on a BIG-IP LTM. The virtual server is SSL Offloaded. When the client connects, the client receives an SSL error. The client receives the same errors when trying Mozilla Firefox and Internet Explorer browsers.

The LTM Specialist does an ssldump on the virtual server and receives the results as per the exhibit. How should this be resolved?

- A. Set the virtual server to listen on port 443 (HTTPS).
- B. Upgrade the client to support the appropriate SSL cipher suite.
- C. Select the appropriate "SSL Profile (Client)" in the virtual server settings.
- D. Adjust the SSL key length in the SSL profile to match the minimum required by the client.



Correct Answer: C

## QUESTION 5

-- Exhibit

Net::Interface																			
Name	Status	Mac-Addr	MTU	Bits In	Bits Out	Pkts In	Pkts Out	Mcast In	Mcast Out	Drops In	Drops Out	Errs In	Errs Out	Colli sions	Media	Flow Ctrl	Trunk	Aggreg	
1.1	up	0:1:d7:a8:4d:c4	1500	275.3G	43.1G	62.7M	30.8M	7.3M	246	223.9M	0	0	0	0	1000T-FD	tx-rx	none	detached	
1.2	down	0:1:d7:a8:4d:c5	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
1.3	down	0:1:d7:a8:4d:c6	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
1.4	down	0:1:d7:a8:4d:c7	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
1.5	down	0:1:d7:a8:4d:c8	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
1.6	down	0:1:d7:a8:4d:c9	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
1.7	down	0:1:d7:a8:4d:ca	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
1.8	down	0:1:d7:a8:4d:cb	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
2.1	miss	0:1:d7:a8:4d:cc	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
2.2	miss	0:1:d7:a8:4d:cd	1500	0	0	0	0	0	0	0	0	0	0	0	none	tx-rx	none	detached	
mgmt	up	0:1:d7:a8:4d:c1	1500	76.6G	138.1G	113.8M	22.5M	6.4M	123	0	0	2.2M	0	2.2M	100TX-HD	none	none	detached	

-- Exhibit -Refer to the exhibit.

Based on the output of the tmsh interface show command, what is the issue?

- A. There is a duplex mismatch on the management interface.
- B. Interfaces 2.1 and 2.2 are defective and need replacement.
- C. Flow Control is NOT configured on the management interface.
- D. There are too many drops on inbound traffic on interface 1.1.

Correct Answer: A

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