301B Q&As

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

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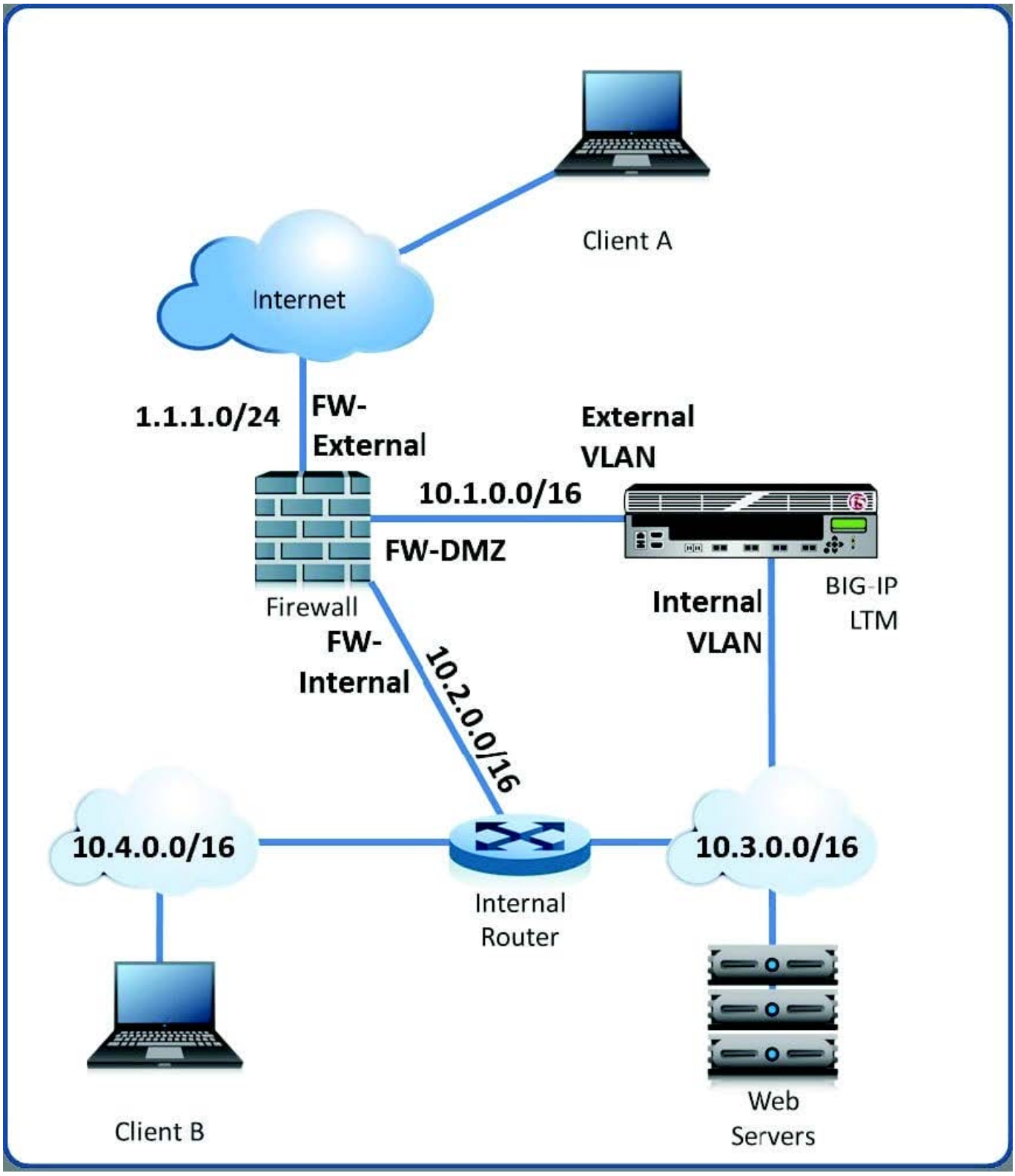
QUESTION 1

-- Exhibit



-- Exhibit -Refer to the exhibit.

A layer 2 nPath routing configuration has been deployed. A packet capture contains a client connection packet with the following properties:

Source IP:

Destination IP:

At which two locations could the packet capture have been taken? (Choose two.)

A. the network interface of web server

B. the DMZ interface of the Internet firewall

C. the internal interface of the Internet firewall

D. the external VLAN interface of the LTM device

Correct Answer: AC

QUESTION 2

-- Exhibit

Virtual Server	Destination	Service Port	Default Pool
intranet_it	10.1.1.10	8080	web_it
intranet_hr	10.1.1.10	443	web_hr
intranet_sales	10.1.1.10	8081	web_sales
intranet_finance	10.1.1.10	8083	web_finance
intranet_engineering	10.1.1.10	8085	web_engineering

Pool	Monitor	Pool Members
web_it	http_it	10.2.2.102, 10.2.2.105
web_hr	https_hr	10.2.2.101, 10.2.2.102
web_sales	http_sales	10.2.2.101, 10.2.2.102
web_finance	http_finance	10.2.2.101, 10.2.2.102
web_engineering	http_engineering	10.2.2.102, 10.2.2.105

-- Exhibit -Refer to the exhibits.

Every monitor has the same Send String, Recv String, and an Alias of *:*. The LTM Specialist simplifies the configuration to minimize the number of monitors.

How many unique monitors remain?

A. 1

B. 2

C. 3

D. 4

E. 5

Correct Answer: B

QUESTION 3

An LTM device pool has suddenly been marked down by a monitor. The pool consists of members 10.0.1.1:443 and 10.0.1.2:443 and are verified to be listening. The affected virtual server is 10.0.0.1:80.

Which two tools should the LTM Specialist use to troubleshoot the associated HTTPS pool monitor via the command line interface? (Choose two.)

A. curl

B. telnet

C. ssldump

D. tcpdump

Correct Answer: AC

QUESTION 4

An LTM Specialist is troubleshooting an HTTP monitor. The pool member is accessible directly through a browser, but the HTTP monitor is marking the pool member as down.

GET / HTTP/1.1

HTTP/1.1 400 Bad Request DatE. Tue, 23 Oct 2012 21:39:07 GTM Server: Apache/2.2.22 (FreeBSD) PHP/5.4.4 mod_ssl/2.2.22 OpenSSL/0.9.8q DAV/2 Content-LengtH. 226 Connection: close Content-TypE. text/html; charset=iso-8859-1

How should the LTM Specialist resolve this issue?

A. Add \\'200 OK\\' to the monitor\\'s receive string.

B. Add \\'Connection: close\r\n\\' to the monitor\\'s send string.

C. Change the interval on the monitor from 5 seconds to 30 seconds.

D. Change the HTTP version in the send string from HTTP/1.1 to HTTP/1.0.

Correct Answer: D

QUESTION 5

-- Exhibit

```
13:59:08.704108 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 78: 10.10.1.30.53347 > 172.16.20.2.http: S 1829726557:1829726557(0) win 4380 <mss 1460,nop,wscale 0,nop,nop,timestamp 2395417926 0,sackOK,eol>
13:59:08.704144 00:0c:29:2d:d7:13 > 00:0c:29:ba:eb:70, ethertype IPv4 (0x0800), length 74: 172.16.20.2.http > 10.10.1.30.53347: S 3203430150:3203430150(0) ack 1829726558 win 5792 <mss 1460,sackOK,timestamp 1165862 2395417926,nop,wscale 3>
13:59:08.705365 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 66: 10.10.1.30.53347 > 172.16.20.2.http: . ack 1 win 4380 <nop,nop,timestamp 2395417927 1165862>
13:59:08.705632 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 399: 10.10.1.30.53347 > 172.16.20.2.http: P 1:334(333) ack 1 win 4380 <nop,nop,timestamp 2395417927 1165862>
13:59:08.705647 00:0c:29:2d:d7:13 > 00:0c:29:ba:eb:70, ethertype IPv4 (0x0800), length 66: 172.16.20.2.http > 10.10.1.30.53347: . ack 334 win 858 <nop,nop,timestamp 1165863 2395417927>
13:59:08.706277 00:0c:29:2d:d7:13 > 00:0c:29:ba:eb:70, ethertype IPv4 (0x0800), length 528: 172.16.20.2.http > 10.10.1.30.53347: P 1:463(462) ack 334 win 858 <nop,nop,timestamp 1165864 2395417927>
13:59:08.706345 00:0c:29:2d:d7:13 > 00:0c:29:ba:eb:70, ethertype IPv4 (0x0800), length 66: 172.16.20.2.http > 10.10.1.30.53347: F 463:463(0) ack 334 win 858 <nop,nop,timestamp 1165864 2395417927>
13:59:08.708578 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 66: 10.10.1.30.53347 > 172.16.20.2.http: . ack 464 win 4842 <nop,nop,timestamp 2395417930 1165864>
13:59:08.711554 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 66: 10.10.1.30.53347 > 172.16.20.2.http: F 334:334(0) ack 464 win 4842 <nop,nop,timestamp 2395417933 1165864>
13:59:08.711578 00:0c:29:2d:d7:13 > 00:0c:29:ba:eb:70, ethertype IPv4 (0x0800), length 66: 172.16.20.2.http > 10.10.1.30.53347: . ack 335 win 858 <nop,nop,timestamp 1165869 2395417933>
13:59:10.440561 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 78: 10.10.1.30.53480 > 172.16.20.3.http: S 2990657892:2990657892(0) win 4380 <mss 1460,nop,wscale 0,nop,nop,timestamp 2395779676 0,sackOK,eol>
13:59:10.440589 00:0c:29:2d:d7:13 > 00:0c:29:36:b6:06, ethertype IPv4 (0x0800), length 74: 172.16.20.3.http > 10.10.1.30.53480: S 3583899489:3583899489(0) ack 2990657893 win 5792 <mss 1460,sackOK,timestamp 1527617 2395779676,nop,wscale 3>
13:59:13.439632 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 78: 10.10.1.30.53480 > 172.16.20.3.http: S 2990657892:2990657892(0) win 4380 <mss 1460,nop,wscale 0,nop,nop,timestamp 2395782676 0,sackOK,eol>
13:59:13.439658 00:0c:29:2d:d7:13 > 00:0c:29:36:b6:06, ethertype IPv4 (0x0800), length 74: 172.16.20.3.http > 10.10.1.30.53480: S 3583899489:3583899489(0) ack 2990657893 win 5792 <mss 1460,sackOK,timestamp 1530617 2395779676,nop,wscale 3>
13:59:16.639821 00:0c:29:ba:eb:70 > 00:0c:29:2d:d7:13, ethertype IPv4 (0x0800), length 78: 10.10.1.30.53480 > 172.16.20.3.http: S 2990657892:2990657892(0) win 4380 <mss 1460,nop,wscale 0,nop,nop,timestamp 2395785876 0,sackOK,eol>
13:59:16.639842 00:0c:29:2d:d7:13 > 00:0c:29:36:b6:06, ethertype IPv4 (0x0800), length 74: 172.16.20.3.http > 10.10.1.30.53480: S 3583899489:3583899489(0) ack 2990657893 win 5792 <mss 1460,sackOK,timestamp 1533817 2395779676,nop,wscale 3>
```

-- Exhibit -Refer to the exhibit.

An LTM Specialist configures a virtual server that balances HTTP connections to a pool of three application servers. Approximately one out of every three connections to the virtual server fails.

Which two actions will resolve the problem? (Choose two.)

A. Assign a custom HTTP monitor to the pool.

B. Enable SNAT automap on the virtual server.

C. Verify that port lockdown is set to allow port 80.

D. Verify the default gateway on the application servers.

E. Increase the TCP timeout value in the default TCP profile.

Correct Answer: BD