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

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QUESTION 1

An LTM Specialist with the Administrator role and terminal access of "tmsh" logs in via ssh and is in the Traffic Manager Shell. The LTM Specialist wants to enter the bash shell to review log files. Which command does the LTM Specialist need to run to access the bash shell?

A. exit

B. quit

C. run /cli bash

D. run /util bash

Correct Answer: D

QUESTION 2

-- Exhibit

```
----------------------------------------------------------------------------------------------------------
Net::Interface
Name    Status       Mac-Addr        MTU    Bits    Bits   Pkts   Pkts  Mcast  Mcast  Drops  Drops Errs  Errs  Colli   Media    Flow  Trunk  Aggreg
                                             In      Out    In     Out   In     Out    In     Out   In    Out   sions            Ctrl
----------------------------------------------------------------------------------------------------------
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       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       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       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       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       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       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       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       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       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       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      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

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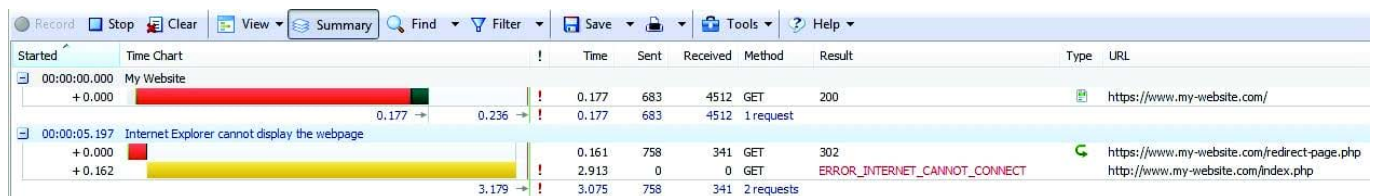
Which two tools should the LTM Specialist use to troubleshoot the associated HTTPS pool monitor via the command line interface? (Choose two.)

A. curl

B. telnet

C. ssldump

D. tcpdump

Correct Answer: AC

QUESTION 4

-- Exhibit

-- Exhibit -Refer to the exhibit.

The virtual server is listening on port 443.

What is the solution to the problem?

A. Add an SSL Client profile to the existing virtual server.

B. Modify the virtual server HTTP Profile to \\'Redirect RewritE. All\\'.

C. Modify the virtual server TCP profile to disable Nagle\\'s Algorithm.

D. Modify the virtual server HTTP Profile to \\'Redirect RewritE. Matching\\'.

Correct Answer: B

QUESTION 5

-- Exhibit

```
PACKET CAPTURE DIRECT TO WEB SERVER

19:50:28.497103 IP 172.31.5.100.49715 > 10.31.80.23.80: S 751670031:751670031(0) win 8192 <mss 1460,nop,wscale
2,nop,nop,sackOK>
19:50:28.501117 IP 10.31.80.23.80 > 172.31.5.100.49715: S 1684731463:1684731463(0) ack 751670032 win 8192 <mss
1460,nop,wscale 8,nop,nop,sackOK>
19:50:28.502839 IP 172.31.5.100.49715 > 10.31.80.23.80: . ack 1 win 16425
19:50:28.524386 IP 172.31.5.100.49715 > 10.31.80.23.80: P 1:249(248) ack 1 win 16425
19:50:28.527024 IP 10.31.80.23.80 > 172.31.5.100.49715: P 1:344(343) ack 249 win 256
19:50:28.738115 IP 172.31.5.100.49715 > 10.31.80.23.80: . ack 344 win 16339
19:50:30.855229 IP 172.31.5.100.49716 > 10.31.80.23.80: S 3248492897:3248492897(0) win 8192 <mss 1460,nop,wscale
2,nop,nop,sackOK>
19:50:30.858672 IP 10.31.80.23.80 > 172.31.5.100.49716: S 1034885901:1034885901(0) ack 3248492898 win 8192 <mss
1460,nop,wscale 8,nop,nop,sackOK>
19:50:30.861972 IP 172.31.5.100.49716 > 10.31.80.23.80: . ack 1 win 16425
19:50:30.861980 IP 172.31.5.100.49716 > 10.31.80.23.80: P 1:202(201) ack 1 win 16425
19:50:30.865070 IP 10.31.80.23.80 > 172.31.5.100.49716: P 1:1406(1405) ack 202 win 256
19:50:30.867112 IP 172.31.5.100.49716 > 10.31.80.23.80: R 202:202(0) ack 1406 win 0


PACKET CAPTURE THROUGH LTM DEVICE

EXTERNAL VLAN
20:05:33.719423 IP 172.31.5.100.49734 > 172.31.200.200.80: S 3265616310:3265616310(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:33.958133 IP 172.31.5.100.49735 > 172.31.200.200.80: S 2304966925:2304966925(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:36.722498 IP 172.31.5.100.49734 > 172.31.200.200.80: S 3265616310:3265616310(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:36.972779 IP 172.31.5.100.49735 > 172.31.200.200.80: S 2304966925:2304966925(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:42.723128 IP 172.31.5.100.49734 > 172.31.200.200.80: S 3265616310:3265616310(0) win 8192 <mss 1460,nop,nop,sackOK>
20:05:42.972755 IP 172.31.5.100.49735 > 172.31.200.200.80: S 2304966925:2304966925(0) win 8192 <mss 1460,nop,nop,sackOK>

INTERNAL VLAN
20:05:33.719791 IP 172.31.5.100.49734 > 172.31.200.200.80: S 3265616310:3265616310(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:33.958189 IP 172.31.5.100.49735 > 172.31.200.200.80: S 2304966925:2304966925(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:36.722525 IP 172.31.5.100.49734 > 172.31.200.200.80: S 3265616310:3265616310(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:36.972805 IP 172.31.5.100.49735 > 172.31.200.200.80: S 2304966925:2304966925(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
20:05:42.723147 IP 172.31.5.100.49734 > 172.31.200.200.80: S 3265616310:3265616310(0) win 8192 <mss 1460,nop,nop,sackOK>
20:05:42.972776 IP 172.31.5.100.49735 > 172.31.200.200.80: S 2304966925:2304966925(0) win 8192 <mss 1460,nop,nop,sackOK>
```

-- Exhibit -Refer to the exhibits.

Users are able to access the application when connecting directly to the web server but are unsuccessful when connecting to the virtual server. Return traffic bypasses the LTM device using Layer 2 nPath routing.

Which configuration change resolves this problem?

A. Enable a SNAT pool on the LTM device.

B. Disable address translation on the LTM device.

C. Configure a route on the web server to the client subnet.

D. Configure the virtual server to listen on port 80 on the LTM device.

E. Configure the VIP address on the loopback interface of the web server.

Correct Answer: E

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