Free Questions for 301b

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Question 1

Question Type: MultipleChoice

An LTM Specialist is troubleshooting a problem on an eCommerce website. The user browses the online store using port 80, adding items to the shopping cart. The user then clicks the "Checkout" button on the site, which redirects the user to port 443 for the checkout process. Suddenly, the user's shopping cart is shown as empty. The shopping cart data is stored in memory on the server, and the default source address persistence profile is used on both virtual servers.

What is the issue?

Options:

A- The port 80 pool member is deleting the user's session cookie.

B- The port 443 pool member is deleting the user's session cookie.

C- The port 80 and port 443 connections are balanced to the same node.

D- The port 80 and port 443 connections are balanced to different nodes.

Answer:

D

Question 2

Question Type: MultipleChoice

-- Exhibit --

```
ltm monitor http http_head {
    defaults-from http
    destination *:*
    interval 5
    recv <html>
    send "HEAD / HTTP/1.0\\r\\n\\r\\n"
    time-until-up 0
    timeout 16
}
ltm pool srv1_http_pool {
    members {
        192.168.2.1:http {
            address 192.168.2.1
            session monitor-enabled
            state down
        }
    }
    monitor http_head
}


TCPDUMP Output:


HEAD / HTTP/1.0

HTTP/1.1 200 OK
Date: Wed, 24 Oct 2012 18:45:53 GMT
Server: Apache/2.2.22 (FreeBSD) PHP/5.4.4 mod_ssl/2.2.22 OpenSSL/0.9.8q DAV/2
X-Powered-By: PHP/5.4.4
Connection: close
Content-Type: text/html
```

-- Exhibit --

Refer to the exhibit.

An LTM Specialist is troubleshooting a new HTTP monitor on a pool. The pool member is functioning correctly when accessed directly through a browser, although the monitor is marking the member as down. As part of the troubleshooting, the LTM Specialist has captured the monitor traffic via tcpdump.

How should the LTM Specialist resolve this issue?

Options:

A- Add the 'http' monitor to the pool.

B- Add the 'icmp' monitor to the node.

C- Modify the receive string to valid content.

D- Correct the firewall rules on the pool member.

Answer:

C

Question 3

Question Type: MultipleChoice

-- Exhibit --

```
Oct 25 09:24:04 bigip1 notice syslog-ng[2983]: syslog-ng starting up; version=\'2.0.8\'
Oct 25 09:24:36 bigip1 notice audispd: audispd initialized with q_depth=80 and 1 active plugins
Oct 25 09:24:38 bigip1 notice syslog-ng[2983]: Configuration reload request received, reloading configuration;
Oct 25 09:25:55 bigip1 notice syslog-ng[2983]: Configuration reload request received, reloading configuration;
Oct 25 09:35:44 bigip1 notice shutdown[8888]: Thu Oct 25 09:35:44 2012 : shutting down for system reboot on behalf of root
2012-10-25T09:37:17-07:00 bigip1 notice boot_marker : ---===[ HD1.4 - BIG-IP 11.2.0 Build 2557.0 ]===---
Oct 25 09:37:19 bigip1 notice syslog-ng[2970]: syslog-ng starting up; version=\'2.0.8\'
Oct 25 09:37:51 bigip1 notice audispd: audispd initialized with q_depth=80 and 1 active plugins
Oct 25 09:37:53 bigip1 notice syslog-ng[2970]: Configuration reload request received, reloading configuration;
Oct 25 09:39:02 bigip1 notice syslog-ng[2970]: Configuration reload request received, reloading configuration;
```

```
Oct 25 09:29:05 tmm1 err tmm1[7355]: 01010028:3: No members available for pool /Common/http_pool
Oct 25 09:29:05 tmm1 err tmm1[7355]: 01010028:3: No members available for pool /Common/https_pool
Oct 25 09:29:05 tmm1 err tmm1[7355]: 01010028:3: No members available for pool /Common/ssh_pool
Oct 25 09:35:44 bigip1 notice overdog[4791]: 01140104:5: Watchdog touch disabled.
Oct 25 09:35:44 bigip1 notice overdog[4791]: 01140101:6: Overdog daemon shutdown.
Oct 25 09:35:44 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id %promptstatusd
Oct 25 09:35:44 bigip1 info promptstatusd[4790]: 01460007:6: Resuming log processing at this invocation; held 1 messages.
Oct 25 09:35:45 bigip1 notice logger: /bin/bash /etc/rc6.d/K03bigstart stop  ==> /usr/bin/bigstart stop
Oct 25 09:35:46 bigip1 notice alertd[5636]: 01100043:5: logcheck Notice: Disconnect mcpd 0
Oct 25 09:35:46 bigip1 warning alertd[5636]: 01100002:4: alertd is going down.
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id csyncd
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id cluster_file_operations
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id BIGD_Subscriber
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id eventd
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id %LACPD
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id lind
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id %istatsd
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id logstatd
Oct 25 09:35:48 bigip1 info mcpd[5206]: 01070410:6: Per-invocation log rate exceeded; throttling.
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id cbrd
Oct 25 09:35:48 bigip1 notice scriptd[5641]: 014f0002:5: exiting
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id shell_publish
Oct 25 09:35:48 bigip1 info mcpd[5206]: 01070406:6: Per-invocation log rate exceeded; throttling.
Oct 25 09:35:48 bigip1 err mcpd[5206]: 01070069:3: Subscription not found in mcpd for subscriber Id stpd4860-0.
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id stpd4860-0
Oct 25 09:35:48 bigip1 notice sod[5970]: 010c0050:5: Sod requests links down.
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id ha_table_publish
Oct 25 09:35:48 tmm crit tmm[7354]: 01010019:2: Caught signal 15, exiting
Oct 25 09:35:48 tmm1 crit tmm1[7355]: 01010019:2: Caught signal 15, exiting
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Received signal: SIGTERM (15)
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: 4.1 rx[OK 582 Bad 0] tx[OK 594 Bad 0]
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good rx at: 1351182947.482888
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good tx at: 1351182947.050705
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 rx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 tx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad rx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad tx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: 4.2 rx[OK 582 Bad 0] tx[OK 595 Bad 0]
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good rx at: 1351182947.482885
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good tx at: 1351182947.050816
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 rx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 tx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad rx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad tx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0014:6: Exiting...
Oct 25 09:35:48 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus datastor
Oct 25 09:35:48 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus dedup_admin
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus tmrouted
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus dpid
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus wamd
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus websso
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart restart apd
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus acctd
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus eam
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus rba
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus logd
Oct 25 09:35:51 bigip1 info mcpd[5206]: 01070410:6: Resuming log processing at this invocation; held 6 messages.
Oct 25 09:35:51 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id named
Oct 25 09:35:53 bigip1 info mcpd[5206]: 01070406:6: Resuming log processing at this invocation; held 5 messages.
Oct 25 09:35:53 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id BCM56xxPublisher
Oct 25 09:35:53 bigip1 notice mcpd[5206]: 01070007:5: Received shutdown signal 15.
Oct 25 09:35:55 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id chmand_publisher
Oct 25 09:35:55 bigip1 info mcpd[5206]: 01070356:6: Resuming log processing at this invocation; held 3 messages.
Oct 25 09:35:58 bigip1 notice chmand[5451]: 012a0005:5: Stop chmand
2012-10-25T09:37:17-07:00 bigip1 notice boot_marker : --====[ HD1.4 - BIG-IP 11.2.0 Build 2557.0 ]====---
Oct 25 09:37:22 bigip1 info mprov:3037:: Invoked as: /usr/bin/mprov.pl (pid=3037) --logicaldisk --boot --quiet
Oct 25 09:37:22 bigip1 info mprov:3037:: Checking for and completing any disk management transactions:
Oct 25 09:37:23 bigip1 info mprov:3044:: Invoked as: /usr/bin/mprov.pl (pid=3044) --diskmgmt --boot --quiet
```

-- Exhibit --

Refer to the exhibits.

An LTM Specialist uses the information in the logs to determine the cause of a failover event in a high-availability (HA) pair.

What caused the failover?

Options:

A- The overdog process crashed.

B- The system was administratively rebooted.

C- The process bcm56xxd received SIGTERM from the watchdog process.

D- The configuration reload request caused the config to reload and the device to failover.

Answer:

B

Question 4

Question Type: MultipleChoice

-- Exhibit --

```
ltm monitor http memberA_mon {
    defaults-from http
    destination *:*
    interval 5
    send "GET /\\r\\n"
    time-until-up 0
    timeout 16
}
ltm monitor http memberB_mon {
    defaults-from http
    destination *:*
    interval 5
    send "GET /\\r\\n"
    time-until-up 0
    timeout 16
}
ltm monitor http memberC_mon {
    defaults-from http
    destination *:*
    interval 5
    send "GET /\\r\\n"
    time-until-up 0
    timeout 16
}
```

-- Exhibit --

Refer to the exhibit.

An LTM Specialist is troubleshooting an HTTP monitor that is marking a pool member as down. Connecting to the pool member directly through a browser shows the application is up and functioning correctly.

How should the send string be modified to correct this issue?

Options:

A- GET /\r\n\r\n

B- GET / HTTP/1.0\r\n\r\n

C- GET /\r\nHost: \r\n\r\n

D- GET /\r\nHTTP/1.0\r\n\r\n

Answer:

B

Question 5

Question Type: MultipleChoice

Which command should an LTM Specialist use on the command line interface to show the health of RAID array hard drives?

Options:

A- tmsh show /sys raid disk

B- tmsh show /ltm raid disk

C- tmsh show /sys raid status

D- tmsh show /ltm disk status

Answer:

A

Question 6

Question Type: MultipleChoice

-- Exhibit --

```
Packet capture through LTM device

09:26:40.158653 IP 172.16.1.3.54990 > 172.16.20.21.https: S 2815629254:2815629254(0) win 4380 <mss 1460,nop,wscale 0,nop,nop,timestamp 2562669213 0,sackOK,eol>
        0x0000:  4500 0040 092b 4000 ff06 0554 ac10 0103    E..@.+@....T....
        0x0010:  ac10 1415 d6ce 01bb a7d3 17c6 0000 0000    ................
        0x0020:  b002 111c 4d2d 0000 0204 05b4 0103 0300    ....M-..........
        0x0030:  0101 080a 98bf 3a9d 0000 0000 0402 0000    .....:......
09:26:40.160133 IP 172.16.20.21.https > 172.16.1.3.54990: S 4117971743:4117971743(0) ack 2815629255 win 14480 <mss 1460,sackOK,timestamp 232592 2562669213,nop,wscale 4>
        0x0000:  4500 003c 0000 4000 4006 cd83 ac10 1415    E..<..@.@.......
        0x0010:  ac10 0103 01bb d6ce f573 431f a7d3 17c7    .........sC.....
        0x0020:  a012 3890 7182 0000 0204 05b4 0402 080a    ..8.q..........
        0x0030:  0003 8c90 98bf 3a9d 0103 0304             ......:....
09:26:40.160143 IP 172.16.1.3.54990 > 172.16.20.21.https: . ack 1 win 4380 <nop,nop,timestamp 2562669215 232592>
        0x0000:  4500 0034 092e 4000 ff06 055d ac10 0103    E..4..@....]....
        0x0010:  ac10 1415 d6ce 01bb a7d3 17c7 f573 4320    .............sC.
        0x0020:  8010 111c c7bd 0000 0101 080a 98bf 3a9f    ..............:.
        0x0030:  0003 8c90                                  ....
09:26:40.160150 IP 172.16.1.3.54990 > 172.16.20.21.https: P 1:442(441) ack 1 win 4380 <nop,nop,timestamp 2562669215 232592>
        0x0000:  4500 01ed 0930 4000 ff06 03a2 ac10 0103    E....0@.........
        0x0010:  ac10 1415 d6ce 01bb a7d3 17c7 f573 4320    .............sC.
        0x0020:  8018 111c b0a8 0000 0101 080a 98bf 3a9f    ..............:.
        0x0030:  0003 8c90 4745 5420 2f20 4854 5450 2f31    ....GET./.HTTP/1
        0x0040:  2e31 0d0a 486f 7374 3a20 7777 772e 6578    .1..Host:.www.ex
        0x0050:  616d                                       am
09:26:40.163290 IP 172.16.20.21.https > 172.16.1.3.54990: . ack 442 win 972 <nop,nop,timestamp 232592 2562669215>
        0x0000:  4500 0034 cfb0 4000 4006 fdda ac10 1415    E..4..@.@.......
        0x0010:  ac10 0103 01bb d6ce f573 4320 a7d3 1980    .........sC.....
        0x0020:  8010 03cc d354 0000 0101 080a 0003 8c90    .....T..........
        0x0030:  98bf 3a9f                                  ..:.
09:26:40.164206 IP 172.16.20.21.https > 172.16.1.3.54990: P 1:527(526) ack 442 win 972 <nop,nop,timestamp 232592 2562669215>
        0x0000:  4500 0242 cfb1 4000 4006 fbcb ac10 1415    E..B..@.@.......
        0x0010:  ac10 0103 01bb d6ce f573 4320 a7d3 1980    .........sC.....
        0x0020:  8018 03cc c59e 0000 0101 080a 0003 8c90    ................
        0x0030:  98bf 3a9f 3c21 444f 4354 5950 4520 4854    ..:.<!DOCTYPE.HT
        0x0040:  4d4c 2050 5542 4c49 4320 222d 2f2f 4945    ML.PUBLIC."-//IE
        0x0050:  5446                                       TF
09:26:40.164226 IP 172.16.1.3.54990 > 172.16.20.21.https: . ack 527 win 4906 <nop,nop,timestamp 2562669219 232592>
        0x0000:  4500 0034 0934 4000 ff06 0557 ac10 0103    E..4.4@....W....
        0x0010:  ac10 1415 d6ce 01bb a7d3 1980 f573 452e    .............sE.
        0x0020:  8010 132a c1e4 0000 0101 080a 98bf 3aa3    ...*..........:.
        0x0030:  0003 8c90                                  ....
09:26:40.165322 IP 172.16.20.21.https > 172.16.1.3.54990: F 527:527(0) ack 442 win 972 <nop,nop,timestamp 232592 2562669215>
        0x0000:  4500 0034 cfb2 4000 4006 fdd8 ac10 1415    E..4..@.@.......
        0x0010:  ac10 0103 01bb d6ce f573 452e a7d3 1980    .........sE.....
        0x0020:  8011 03cc d145 0000 0101 080a 0003 8c90    .....E..........
        0x0030:  98bf 3a9f                                  ..:.
09:26:40.165343 IP 172.16.1.3.54990 > 172.16.20.21.https: . ack 528 win 4906 <nop,nop,timestamp 2562669220 232592>
        0x0000:  4500 0034 0938 4000 ff06 0553 ac10 0103    E..4.8@....S....
        0x0010:  ac10 1415 d6ce 01bb a7d3 1980 f573 452f    .............sE/
        0x0020:  8010 132a c1e2 0000 0101 080a 98bf 3aa4    ...*..........:.
        0x0030:  0003 8c90                                  ....
09:26:40.171962 IP 172.16.1.3.54990 > 172.16.20.21.https: F 442:442(0) ack 528 win 4906 <nop,nop,timestamp 2562669227 232592>
        0x0000:  4500 0034 093c 4000 ff06 054f ac10 0103    E..4.<@....O....
        0x0010:  ac10 1415 d6ce 01bb a7d3 1980 f573 452f    .............sE/
        0x0020:  8011 132a c1da 0000 0101 080a 98bf 3aab    ...*..........:.
        0x0030:  0003 8c90                                  ....
09:26:40.177604 IP 172.16.20.21.https > 172.16.1.3.54990: . ack 443 win 972 <nop,nop,timestamp 232595 2562669227>
        0x0000:  4500 0034 cfb3 4000 4006 fdd7 ac10 1415    E..4..@.@.......
        0x0010:  ac10 0103 01bb d6ce f573 452f a7d3 1981    .........sE/....
        0x0020:  8010 03cc d135 0000 0101 080a 0003 8c93    .....5..........
        0x0030:  98bf 3aab                                  ..:.
```

```
Packet capture direct to application server

09:36:28.845154 IP 1.1.2.150.55073 > 172.16.20.21.https: S 3718695743:3718695743(0) win 65535 <mss 1460,nop,wscale 3,nop,nop,timestamp 685424210 0,sackOK,eol>
        0x0000:  4500 0040 f88c 4000 4006 7e6f 0101 0296   E..@..@.@.~o....
        0x0010:  ac10 1415 d721 01bb dda6 cb3f 0000 0000   .....!.....?....
        0x0020:  b002 ffff 0a53 0000 0204 05b4 0103 0303   .....S..........
        0x0030:  0101 080a 28da be52 0000 0000 0402 0000   ....(..R........
09:36:28.845218 IP 1.1.2.150.55073 > 172.16.20.21.https: S 3718695743:3718695743(0) win 65535 <mss 1460,nop,wscale 3,nop,nop,timestamp 685424210 0,sackOK,eol>
        0x0000:  4500 0040 f88c 4000 3f06 7f6f 0101 0296   E..@..@.?..o....
        0x0010:  ac10 1415 d721 01bb dda6 cb3f 0000 0000   .....!.....?....
        0x0020:  b002 ffff 0a53 0000 0204 05b4 0103 0303   .....S..........
        0x0030:  0101 080a 28da be52 0000 0000 0402 0000   ....(..R........
09:36:28.846583 IP 172.16.20.21.https > 1.1.2.150.55073: S 1893621123:1893621123(0) ack 3718695744 win 14480 <mss 1460,sackOK,timestamp 379759 685424210,nop,wscale 4>
        0x0000:  4500 003c 0000 4000 4006 7700 ac10 1415   E..<..@.@.w.....
        0x0010:  0101 0296 01bb d721 70de 5d83 dda6 cb40   .......!p.]....@
        0x0020:  a012 3890 48df 0000 0204 05b4 0402 080a   ..8.H...........
        0x0030:  0005 cb6f 28da be52 0103 0304             ...o(..R....
09:36:28.848001 IP 172.16.20.21.https > 1.1.2.150.55073: S 1893621123:1893621123(0) ack 3718695744 win 14480 <mss 1460,sackOK,timestamp 379759 685424210,nop,wscale 4>
        0x0000:  4500 003c 0000 4000 3f06 7800 ac10 1415   E..<..@.?.x.....
        0x0010:  0101 0296 01bb d721 70de 5d83 dda6 cb40   .......!p.]....@
        0x0020:  a012 3890 48df 0000 0204 05b4 0402 080a   ..8.H...........
        0x0030:  0005 cb6f 28da be52 0103 0304             ...o(..R....
09:36:28.848010 IP 1.1.2.150.55073 > 172.16.20.21.https: . ack 1 win 65535 <nop,nop,timestamp 685424212 379759>
        0x0000:  4500 0034 8891 4000 4006 ee76 0101 0296   E..4..@.@..v....
        0x0010:  ac10 1415 d721 01bb dda6 cb40 70de 5d84   .....!.....@p.].
        0x0020:  8010 ffff b036 0000 0101 080a 28da be54   .....6......(..T
        0x0030:  0005 cb6f                                 ...o
09:36:28.848020 IP 1.1.2.150.55073 > 172.16.20.21.https: . ack 1 win 65535 <nop,nop,timestamp 685424212 379759>
        0x0000:  4500 0034 8891 4000 3f06 ef76 0101 0296   E..4..@.?..v....
        0x0010:  ac10 1415 d721 01bb dda6 cb40 70de 5d84   .....!.....@p.].
        0x0020:  8010 ffff b036 0000 0101 080a 28da be54   .....6......(..T
        0x0030:  0005 cb6f                                 ...o
09:36:28.849049 IP 1.1.2.150.55073 > 172.16.20.21.https: P 1:378(377) ack 1 win 65535 <nop,nop,timestamp 685424212 379759>
        0x0000:  4500 01ad faf8 4000 4006 7a96 0101 0296   E.....@.@.z.....
        0x0010:  ac10 1415 d721 01bb dda6 cb40 70de 5d84   .....!.....@p.].
        0x0020:  8018 ffff 7e10 0000 0101 080a 28da be54   ....~.......(..T
        0x0030:  0005 cb6f 1603 0101 7401 0001 7003 0150   ...o....t...p..P
        0x0040:  896a 8bb0 c37c 5a0d 89fa 8a3c 69a7 6fc8   .j...|Z....<i.o.
        0x0050:  4e80                                      N.
09:36:28.849058 IP 1.1.2.150.55073 > 172.16.20.21.https: P 1:378(377) ack 1 win 65535 <nop,nop,timestamp 685424212 379759>
        0x0000:  4500 01ad faf8 4000 3f06 7b96 0101 0296   E.....@.?.{.....
        0x0010:  ac10 1415 d721 01bb dda6 cb40 70de 5d84   .....!.....@p.].
        0x0020:  8018 ffff 7e10 0000 0101 080a 28da be54   ....~.......(..T
        0x0030:  0005 cb6f 1603 0101 7401 0001 7003 0150   ...o....t...p..P
        0x0040:  896a 8bb0 c37c 5a0d 89fa 8a3c 69a7 6fc8   .j...|Z....<i.o.
        0x0050:  4e80                                      N.
09:36:28.860618 IP 172.16.20.21.https > 1.1.2.150.55073: . ack 378 win 972 <nop,nop,timestamp 379760 685424212>
        0x0000:  4500 0034 96f4 4000 4006 e013 ac10 1415   E..4..@.@.......
        0x0010:  0101 0296 01bb d721 70de 5d84 dda6 ccb9   .......!p.].....
        0x0020:  8010 03cc aaf0 0000 0101 080a 0005 cb70   ...............p
        0x0030:  28da be54                                 (..T
09:36:28.866855 IP 172.16.20.21.https > 1.1.2.150.55073: P 1:146(145) ack 378 win 972 <nop,nop,timestamp 379760 685424212>
        0x0000:  4500 00c5 96f5 4000 4006 df81 ac10 1415   E.....@.@.......
        0x0010:  0101 0296 01bb d721 70de 5d84 dda6 ccb9   .......!p.].....
        0x0020:  8018 03cc 34d2 0000 0101 080a 0005 cb70   ....4..........p
        0x0030:  28da be54 1603 0100 5102 0000 4d03 0150   (..T....Q...M..P
        0x0040:  896a 8b92 fc5e 9fcf e589 3000 db6b d215   .j...^....0..k..
        0x0050:  d915                                      ..
09:36:28.873827 IP 172.16.20.21.https > 1.1.2.150.55073: . ack 378 win 972 <nop,nop,timestamp 379760 685424212>
        0x0000:  4500 0034 96f4 4000 3f06 e113 ac10 1415   E..4..@.?.......
        0x0010:  0101 0296 01bb d721 70de 5d84 dda6 ccb9   .......!p.].....
        0x0020:  8010 03cc aaf0 0000 0101 080a 0005 cb70   ...............p
        0x0030:  28da be54                                 (..T
09:36:28.876654 IP 172.16.20.21.https > 1.1.2.150.55073: P 1:146(145) ack 378 win 972 <nop,nop,timestamp 379760 685424212>
        0x0000:  4500 00c5 96f5 4000 3f06 e081 ac10 1415   E.....@.?.......
        0x0010:  0101 0296 01bb d721 70de 5d84 dda6 ccb9   .......!p.].....
        0x0020:  8018 03cc 34d2 0000 0101 080a 0005 cb70   ....4..........p
        0x0030:  28da be54 1603 0100 5102 0000 4d03 0150   (..T....Q...M..P
        0x0040:  896a 8b92 fc5e 9fcf e589 3000 db6b d215   .j...^....0..k..
        0x0050:  d915                                      ..
09:36:28.876662 IP 1.1.2.150.55073 > 172.16.20.21.https: . ack 146 win 65535 <nop,nop,timestamp 685424229 379760>
        0x0000:  4500 0034 30e7 4000 4006 4621 0101 0296   E..40.@.@.F!....
        0x0010:  ac10 1415 d721 01bb dda6 ccb9 70de 5e15   .....!......p.^.
        0x0020:  8010 ffff ae1a 0000 0101 080a 28da be65   ............(..e
        0x0030:  0005 cb70                                 ...p
09:36:28.876665 IP 1.1.2.150.55073 > 172.16.20.21.https: P 378:437(59) ack 146 win 65535 <nop,nop,timestamp 685424229 379760>
        0x0000:  4500 006f a8df 4000 4006 cded 0101 0296   E..o..@.@.......
        0x0010:  ac10 1415 d721 01bb dda6 ccb9 70de 5e15   .....!......p.^.
        0x0020:  8018 ffff 16ec 0000 0101 080a 28da be65   ............(..e
        0x0030:  0005 cb70 1403 0100 0101 1603 0100 3012   ...p..........0.
        0x0040:  937a 270f b9ec 79eb 58e0 0dce 483e 5ad6   .z'...y.X...H>Z.
        0x0050:  d076                                      .v
09:36:28.876672 IP 1.1.2.150.55073 > 172.16.20.21.https: . ack 146 win 65535 <nop,nop,timestamp 685424229 379760>
        0x0000:  4500 0034 30e7 4000 3f06 4721 0101 0296   E..40.@.?.G!....
        0x0010:  ac10 1415 d721 01bb dda6 ccb9 70de 5e15   .....!......p.^.
        0x0020:  8010 ffff ae1a 0000 0101 080a 28da be65   ............(..e
        0x0030:  0005 cb70                                 ...p
09:36:28.876675 IP 1.1.2.150.55073 > 172.16.20.21.https: P 378:437(59) ack 146 win 65535 <nop,nop,timestamp 685424229 379760>
        0x0000:  4500 006f a8df 4000 3f06 ceed 0101 0296   E..o..@.?.......
        0x0010:  ac10 1415 d721 01bb dda6 ccb9 70de 5e15   .....!......p.^.
        0x0020:  8018 ffff 16ec 0000 0101 080a 28da be65   ............(..e
        0x0030:  0005 cb70 1403 0100 0101 1603 0100 3012   ...p..........0.
        0x0040:  937a 270f b9ec 79eb 58e0 0dce 483e 5ad6   .z'...y.X...H>Z.
        0x0050:  d076                                      .v
09:36:28.876677 IP 1.1.2.150.55073 > 172.16.20.21.https: F 437:437(0) ack 146 win 65535 <nop,nop,timestamp 685424229 379760>
        0x0000:  4500 0034 edd7 4000 3f06 8a30 0101 0296   E..4..@.?..0....
        0x0010:  ac10 1415 d721 01bb dda6 ccf4 70de 5e15   .....!......p.^.
        0x0020:  8011 ffff adde 0000 0101 080a 28da be65   ............(..e
        0x0030:  0005 cb70                                 ...p
09:36:28.877644 IP 1.1.2.150.55073 > 172.16.20.21.https: F 437:437(0) ack 146 win 65535 <nop,nop,timestamp 685424229 379760>
        0x0000:  4500 0034 edd7 4000 4006 8930 0101 0296   E..4..@.@..0....
        0x0010:  ac10 1415 d721 01bb dda6 ccf4 70de 5e15   .....!......p.^.
        0x0020:  8011 ffff adde 0000 0101 080a 28da be65   ............(..e
        0x0030:  0005 cb70                                 ...p
```
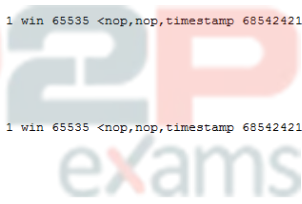
-- Exhibit --

Refer to the exhibits.

An LTM Specialist has configured a virtual server to distribute connections to a pool of application servers and to offload SSL processing. The application fails to work as expected when connecting to the virtual server. It does work when clients connect directly to the application. Two packet captures were taken at the application server.

What is the root cause of the problem?

Options:

A- The application servers are NOT listening on port 80.

B- The LTM device is sending non-SSL traffic to an SSL port.

C- The virtual server does NOT have a clientSSL profile assigned.

D- The SSL handshake between the LTM device and the server is failing.

Answer:

B

Question 7

Question Type: MultipleChoice

-- Exhibit --

```
ltm virtual Route_172.16.10 {
    destination 172.16.10.0:any
    ip-forward
    mask 255.255.255.0
    profiles {
        fastL4 { }
    }
    translate-address disabled
    translate-port disabled
    vlans-disabled
}
ltm virtual Route_172.16.20 {
    destination 172.16.20.0:any
    ip-forward
    mask 255.255.255.0
    profiles {
        fastL4 { }
    }
    translate-address disabled
    translate-port disabled
    vlans-disabled
}
ltm virtual Route_172.16.30 {
    destination 172.16.30.0:any
    ip-forward
    mask 255.255.255.0
    profiles {
        fastL4 { }
    }
    translate-address disabled
    translate-port disabled
    vlans-disabled
}
ltm virtual Route_all {
    destination 0.0.0.0:any
    ip-forward
    mask any
    profiles {
        fastL4 { }
    }
    translate-address disabled
    translate-port disabled
    vlans-disabled
}
```

Statistics » Module Statistics : Local Traffic

| Traffic Summary | Global Traffic | Local Traffic | Network | Memory |

Display Options

Statistics Type	Virtual Servers
Data Format	Normalized
Auto Refresh	Disabled Refresh

	Status	▲ Virtual Server	Partition / Path	Details	Bits In	Bits Out	Packets In	Packets Out	Conn Current	Conn Maximum	Conn Total	Requests Total	CPU 5 Sec. Avg.	CPU 1 Min. Avg.	CPU 5 Min. Avg.
☐	▣	172.16.20.21	Common	View...	24.9M	190.5M	57.3K	57.0K	0	2	9.6K	0	0%	0%	0%
☐	▣	172.16.20.22	Common	View...	25.2M	190.4M	58.0K	56.9K	0	2	9.9K	0	0%	0%	0%
☐	●	ASM-demo_no-policy	Common	View...	39.0K	80.4K	40	34	0	2	3	5	0%	0%	0%
☐	●	ASM_demo-policy	Common	View...	11.1K	12.1K	11	8	0	1	1	0	0%	0%	0%
☐	▣	HTTP_102_vs	Common	View...	0	0	0	0	0	0	0	0	0%	0%	0%
☐	▣	HTTP_103_vs	Common	View...	0	0	0	0	0	0	0	0	0%	0%	0%
☐	▣	Route_172.16.10	Common	View...	17.2M	885.2K	7.3K	1.3K	0	2	2	0	0%	0%	0%
☐	▣	Route_172.16.20	Common	View...	93.7M	6.8M	39.4K	13.5K	2	2	2	0	0%	0%	0%
☐	▣	Route_172.16.30	Common	View...	7.3M	465.3K	3.2K	608	1	3	4	0	0%	0%	0%
☐	▣	Route_all	Common	View...	90.7K	62.1K	113	71	1	13	1.5K	0	0%	0%	0%
☐	▣	ftp_vs	Common	View...	11.7K	13.6K	26	26	0	1	1	0	0%	0%	0%
☐	●	http_vs	Common	View...	80.4K	416.0K	97	94	0	4	17	6	0%	0%	0%
☐	●	https_vs	Common	View...	3.1M	16.4M	3.6K	3.3K	0	9	286	103	0%	0%	0%
☐	●	vs_10_10_1_101_53_gtm	Common	View...	0	0	0	0	0	0	0	0	0%	0%	0%
☐	●	vs_10_10_1_101_53_gtm_0	Common	View...	0	0	0	0	0	0	0	0	0%	0%	0%

-- Exhibit --

Refer to the exhibits.

An LTM device has been configured for load balancing a number of different application servers. Configuration changes need to be made to the LTM device to allow administrative management of the servers in 172.16.10/24, 172.16.20/24, and 172.16.30/24 networks. The servers require outbound access to numerous destinations for operations.

Which solution has the simplest configuration changes while maintaining functionality and basic security?

Options:
A- Remove 172.16.10.0:0/24, 172.16.20.0:0/24, and 172.16.30.0:0/24, and keep 0.0.0.0:0/0.0.0.0 enabled on all VLANs.
B- Replace 172.16.10.0:0/24, 172.16.20.0:0/24, and 172.16.30.0:0/24, with 172.16.0.0:0/16, and keep 0.0.0.0:0/0.0.0.0.
C- Enable 172.16.10.0:0/24, 172.16.20.0:0/24, and 172.16.30.0:0/24 on ingress VLAN(s), and enable 0.0.0.0:0/0.0.0.0 on egress VLAN(s).
D- Enable 172.16.10.0:0/24, 172.16.20.0:0/24, and 172.16.30.0:0/24 on egress VLAN(s), and enable 0.0.0.0:0/0.0.0.0 on ingress VLAN(s).

Answer:
C

Question 8

Question Type: MultipleChoice

-- Exhibit --

General Properties

Name	vs_https
Partition / Path	Common
Description	
Type	Standard
Destination	Type: ● Host ○ Network Address: 10.10.1.103
Service Port	443 HTTPS
Availability	
State	Enabled

Configuration: Advanced

Protocol	TCP
Protocol Profile (Client)	tcp
Protocol Profile (Server)	(Use Client Profile)
OneConnect Profile	None
NTLM Conn Pool	None
HTTP Profile	http
HTTP Compression Profile	None
Web Acceleration Profile	None
FTP Profile	None
RTSP Profile	None
Stream Profile	None
XML Profile	None
SSL Profile (Client)	Selected: /Common clientssl — Available: /Common clientssl-insecure-compatible, wom-default-clientssl
SSL Profile (Server)	Selected: /Common serverssl-insecure-compatible — Available: /Common serverssl, wom-default-serverssl
Authentication Profiles	Enabled: (none) — Available: /Common krbdelegate, ldap, radius, ssl_cc_ldap
IIOP Profile	None
SMTP Profile	None
DNS Profile	None
Diameter Profile	None
SIP Profile	None
Statistics Profile	None
VLAN and Tunnel Traffic	All VLANs and Tunnels
SNAT Pool	Auto Map
Rate Class	None
Traffic Class	Enabled: (none) — Available: (none)
Connection Limit	0
Connection Rate Limit	0
Connection Rate Limit Mode	Per Virtual Server
Address Translation	☑ Enabled
Port Translation	☑ Enabled
Source Port	Preserve
Clone Pool (Client)	None
Clone Pool (Server)	None
Auto Last Hop	Default
Last Hop Pool	None
Analytics Profile	avr_slow **Note:** Changes you make might take up to 10 minutes to be reflected in the charts.
NAT64	☐ Enabled
Request Logging Profile	None

-- Exhibit --

Refer to the exhibit.

An LTM Specialist is troubleshooting an issue with an application configured on an LTM device. The application works properly when accessed directly via the servers; however, it does not work when accessed via the LTM device. The virtual server, 192.168.1.211:443, is configured to SNAT using the address 192.168.1.144 and references a pool with the member 192.168.10.80:443. The virtual server has no Client or Server SSL profiles associated.

Which configuration change will allow the application to function through the virtual server?

Options:

A- Change pool member port to 8443.

B- Change virtual server port to 8443.

C- Add SSL off-loading to the pool member.

D- Add Client and Server SSL profiles to the virtual server.

Answer:

A

Question 9

Question Type: MultipleChoice

-- Exhibit --

```
Direct to application server:
Request:
GET / HTTP/1.1
Host: 172.16.20.21
Connection: keep-alive
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

Response:
HTTP/1.1 200 OK
Date: Wed, 24 Oct 2012 19:11:46 GMT
Server: Apache/2.2.22 (Ubuntu)
Last-Modified: Fri, 08 Jun 2012 13:32:31 GMT
ETag: "a0b21-b1-4c1f608458836"
Accept-Ranges: bytes
Content-Length: 177
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: text/html

Through LTM:
Request:
GET / 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

Response:
HTTP/1.1 301 Moved Permanently
Date: Wed, 24 Oct 2012 19:17:47 GMT
Server: Apache/2.2.22 (Ubuntu)
Location: https://www.example.com/
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=iso-8859-1
Transfer-Encoding: chunked
```

-- Exhibit --

Refer to the exhibits.

An LTM Specialist configures a virtual server for an internal application to perform client-side encryption while allowing the server-side traffic to be unencrypted. Application users report that images are NOT loading through the virtual server; however, images load when going directly to the server.

What should the LTM Specialist configure to allow the images to load through the virtual server?

Options:

A- HTTP profile with 'SSL Offload' enabled

B- HTTP profile with 'SSL Offload' disabled

C- Stream profile with source 'http:' and target 'https:'

D- Stream profile with target 'http:' and source 'https:'

Answer:

C