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Question 1

Question Type: MultipleChoice

-- Exhibit --

PACKET CAPTURE AT LTM DEVICE - CONNECTING TO VIRTUAL SERVER

EXTERNAL VLAN

```

16:01:29.356966 IP 10.1.5.100.49885 > 10.3.20.20.80: S 2686165014:2686165014(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
16:01:29.357743 IP 10.3.20.20.80 > 10.1.5.100.49885: S 1853772182:1853772182(0) ack 2686165015 win 4380 <mss 1460,nop,wscale 0,sackOK>
16:01:29.359987 IP 10.1.5.100.49885 > 10.3.20.20.80: . ack 1 win 16425
16:01:29.361309 IP 10.1.5.100.49885 > 10.3.20.20.80: P 1:339(338) ack 1 win 16425
16:01:29.361327 IP 10.3.20.20.80 > 10.1.5.100.49885: . ack 339 win 4718
16:01:29.367040 IP 10.3.20.20.80 > 10.1.5.100.49885: P 1:342(341) ack 339 win 4718
16:01:29.523013 IP 10.1.5.100.49885 > 10.3.20.20.80: P 339:658(319) ack 342 win 16339
16:01:29.523067 IP 10.3.20.20.80 > 10.1.5.100.49885: . ack 658 win 5037
16:01:29.526066 IP 10.3.20.20.80 > 10.1.5.100.49885: P 342:1747(1405) ack 658 win 5037
16:01:29.544197 IP 10.1.5.100.49886 > 10.3.20.20.80: S 2661471084:2661471084(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
16:01:29.544330 IP 10.3.20.20.80 > 10.1.5.100.49886: S 4091779980:4091779980(0) ack 2661471085 win 4380 <mss 1460,nop,wscale 0,sackOK>
16:01:29.544319 IP 10.1.5.100.49885 > 10.3.20.20.80: P 658:1007(349) ack 1747 win 16425
16:01:29.544329 IP 10.3.20.20.80 > 10.1.5.100.49885: . ack 1007 win 5386
16:01:29.547133 IP 10.1.5.100.49886 > 10.3.20.20.80: . ack 1 win 16425
16:01:29.547026 IP 10.3.20.20.80 > 10.1.5.100.49885: P 1747:3152(1405) ack 1007 win 5386
16:01:29.575235 IP 10.1.5.100.49885 > 10.3.20.20.80: P 1007:1356(349) ack 3152 win 16073
16:01:29.575262 IP 10.3.20.20.80 > 10.1.5.100.49885: . ack 1356 win 5735
16:01:29.576974 IP 10.3.20.20.80 > 10.1.5.100.49885: P 3152:4557(1405) ack 1356 win 5735
16:01:29.797914 IP 10.1.5.100.49885 > 10.3.20.20.80: . ack 4557 win 16425

```

INTERNAL VLAN

```

16:01:29.360061 IP 192.168.1.5.49885 > 192.168.1.100.80: S 895389186:895389186(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
16:01:29.364886 IP 192.168.1.100.80 > 192.168.1.5.49885: S 1666047010:1666047010(0) ack 895389187 win 8192 <mss 1460,nop,wscale 8,nop,wscale 0,sackOK,eol>
16:01:29.365020 IP 192.168.1.5.49885 > 192.168.1.100.80: . ack 1 win 4380
16:01:29.365031 IP 192.168.1.5.49885 > 192.168.1.100.80: P 1:339(338) ack 1 win 4380
16:01:29.366981 IP 192.168.1.100.80 > 192.168.1.5.49885: P 1:342(341) ack 339 win 256
16:01:29.367073 IP 192.168.1.5.49885 > 192.168.1.100.80: . ack 342 win 4721
16:01:29.523051 IP 192.168.1.5.49885 > 192.168.1.100.80: P 339:658(319) ack 342 win 4721
16:01:29.526009 IP 192.168.1.100.80 > 192.168.1.5.49885: P 342:1747(1405) ack 658 win 255
16:01:29.526074 IP 192.168.1.5.49885 > 192.168.1.100.80: . ack 1747 win 6126
16:01:29.544329 IP 192.168.1.5.49885 > 192.168.1.100.80: P 658:1007(349) ack 1747 win 6126
16:01:29.547230 IP 192.168.1.5.49886 > 192.168.1.100.80: S 1454462415:1454462415(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
16:01:29.546991 IP 192.168.1.100.80 > 192.168.1.5.49885: P 1747:3152(1405) ack 1007 win 254
16:01:29.547056 IP 192.168.1.5.49885 > 192.168.1.100.80: . ack 3152 win 7531
16:01:29.549134 IP 192.168.1.100.80 > 192.168.1.5.49886: S 786849220:786849220(0) ack 1454462416 win 8192 <mss 1460,nop,wscale 8,nop,wscale 0,sackOK,eol>
16:01:29.549159 IP 192.168.1.5.49886 > 192.168.1.100.80: . ack 1 win 4380
16:01:29.575259 IP 192.168.1.5.49885 > 192.168.1.100.80: P 1007:1356(349) ack 3152 win 7531
16:01:29.576958 IP 192.168.1.100.80 > 192.168.1.5.49885: P 3152:4557(1405) ack 1356 win 252
16:01:29.576978 IP 192.168.1.5.49885 > 192.168.1.100.80: . ack 4557 win 8936
16:01:34.564453 IP 192.168.1.5.49886 > 192.168.1.100.80: F 1:1(0) ack 1 win 4380
16:01:34.567472 IP 192.168.1.100.80 > 192.168.1.5.49886: R 1:1(0) ack 2 win 0

```

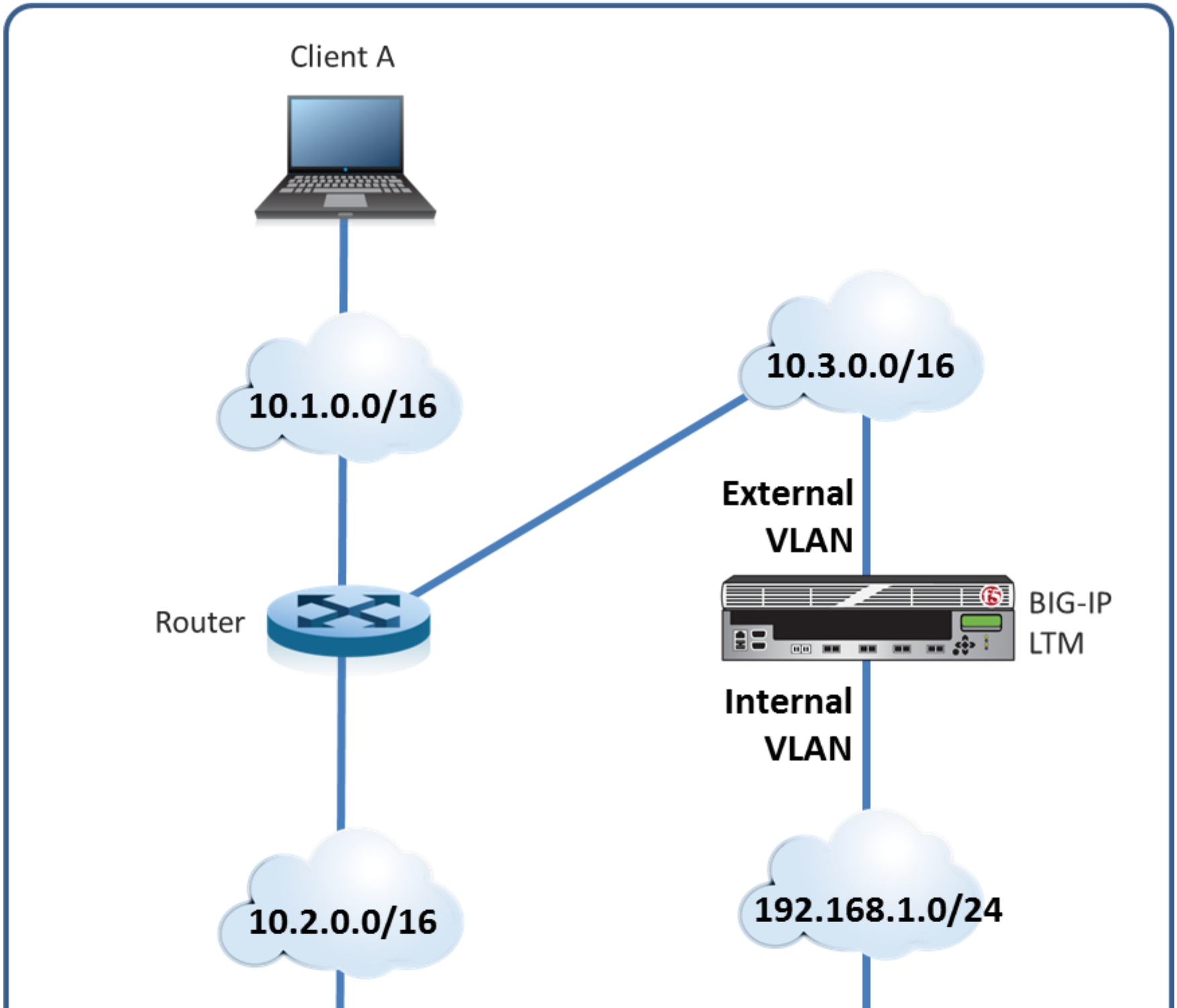
PACKET CAPTURE AT LTM DEVICE - TRYING TO CONNECT DIRECTLY TO SERVER

EXTERNAL VLAN

```
16:02:26.047441 IP 10.1.5.100.49887 > 192.168.1.10.80: S 4152930596:4152930596(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>  
16:02:26.285979 IP 10.1.5.100.49888 > 192.168.1.10.80: S 1315604102:1315604102(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>  
16:02:29.048674 IP 10.1.5.100.49887 > 192.168.1.10.80: S 4152930596:4152930596(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>  
16:02:29.283160 IP 10.1.5.100.49888 > 192.168.1.10.80: S 1315604102:1315604102(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>  
16:02:35.065086 IP 10.1.5.100.49887 > 192.168.1.10.80: S 4152930596:4152930596(0) win 8192 <mss 1460,nop,nop,sackOK>  
16:02:35.298372 IP 10.1.5.100.49888 > 192.168.1.10.80: S 1315604102:1315604102(0) win 8192 <mss 1460,nop,nop,sackOK>
```

INTERNAL VLAN

<no packets captured>



-- Exhibit --

Refer to the exhibits.

Users are able to access the application when connecting to the virtual server but are unsuccessful when connecting directly to the application servers. The LTM Specialist wants to allow direct access to the application servers.

Which configuration change resolves this problem?

Options:

- A-** Enable port 443 on the virtual server.
- B-** Configure a SNAT pool on the LTM device.
- C-** Disable address translation on the virtual server.
- D-** Configure an IP Forwarding virtual server on the LTM device.
- E-** Configure a route to the web server subnet on the network router.

Answer:

D

Question 2

Question Type: MultipleChoice

-- Exhibit --

PACKET CAPTURE THROUGH LTM DEVICE - CONNECTING TO VIRTUAL SERVER

EXTERNAL VLAN

```

14:35:34.633300 IP 10.1.5.100.49857 > 10.3.20.20.80: F 1356:1356(0) ack 4557 win 16425
14:35:34.633315 IP 10.3.20.20.80 > 10.1.5.100.49857: . ack 1357 win 5735
14:35:34.634996 IP 10.3.20.20.80 > 10.1.5.100.49857: F 4557:4557(0) ack 1357 win 5735
14:35:34.636065 IP 10.1.5.100.49857 > 10.3.20.20.80: . ack 4558 win 16425
14:35:39.596671 IP 10.1.5.100.49862 > 10.3.20.20.80: S 2002327087:2002327087(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:35:39.596745 IP 10.3.20.20.80 > 10.1.5.100.49862: S 14638127:14638127(0) ack 2002327088 win 4380 <mss 1460,nop,wscale 0,sackOK>
14:35:39.598058 IP 10.1.5.100.49862 > 10.3.20.20.80: . ack 1 win 16425
14:35:39.599168 IP 10.1.5.100.49862 > 10.3.20.20.80: P 1:339(338) ack 1 win 16425
14:35:39.599187 IP 10.3.20.20.80 > 10.1.5.100.49862: . ack 339 win 4718
14:35:39.603044 IP 10.3.20.20.80 > 10.1.5.100.49862: P 1:342(341) ack 339 win 4718
14:35:39.643631 IP 10.1.5.100.49862 > 10.3.20.20.80: P 339:658(319) ack 342 win 16339
14:35:39.643664 IP 10.3.20.20.80 > 10.1.5.100.49862: . ack 658 win 5037
14:35:39.646203 IP 10.3.20.20.80 > 10.1.5.100.49862: P 342:1747(1405) ack 658 win 5037
14:35:39.653026 IP 10.1.5.100.49862 > 10.3.20.20.80: P 658:1007(349) ack 1747 win 16425
14:35:39.653072 IP 10.3.20.20.80 > 10.1.5.100.49862: . ack 1007 win 5386
14:35:39.654011 IP 10.1.5.100.49863 > 10.3.20.20.80: S 1569233346:1569233346(0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:35:39.654095 IP 10.3.20.20.80 > 10.1.5.100.49863: S 1598764866:1598764866(0) ack 1569233347 win 4380 <mss 1460,nop,wscale 0,sa
14:35:39.655994 IP 10.3.20.20.80 > 10.1.5.100.49862: P 1747:3152(1405) ack 1007 win 5386
14:35:39.655966 IP 10.1.5.100.49863 > 10.3.20.20.80: . ack 1 win 16425
14:35:39.658973 IP 10.1.5.100.49862 > 10.3.20.20.80: P 1007:1356(349) ack 3152 win 16073
14:35:39.658989 IP 10.3.20.20.80 > 10.1.5.100.49862: . ack 1356 win 5735
14:35:39.660064 IP 10.3.20.20.80 > 10.1.5.100.49862: P 3152:4557(1405) ack 1356 win 5735
14:35:39.875355 IP 10.1.5.100.49862 > 10.3.20.20.80: . ack 4557 win 16425

```

INTERNAL VLAN

```

14:35:34.633317 IP 192.168.1.5.49857 > 192.168.1.100.80: F 2516122805:2516122805(0) ack 1308034121 win 8936
14:35:34.634973 IP 192.168.1.100.80 > 192.168.1.5.49857: F 1:1(0) ack 1 win 252
14:35:34.634993 IP 192.168.1.5.49857 > 192.168.1.100.80: . ack 2 win 8936
14:35:39.598151 IP 192.168.1.5.49862 > 192.168.1.100.80: S 2437134793:2437134793(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
14:35:39.600919 IP 192.168.1.100.80 > 192.168.1.5.49862: S 4240953911:4240953911(0) ack 2437134794 win 8192 <mss 1460,nop,wscale
14:35:39.601215 IP 192.168.1.5.49862 > 192.168.1.100.80: . ack 1 win 4380
14:35:39.601221 IP 192.168.1.5.49862 > 192.168.1.100.80: P 1:339(338) ack 1 win 4380
14:35:39.603029 IP 192.168.1.100.80 > 192.168.1.5.49862: P 1:342(341) ack 339 win 256
14:35:39.603046 IP 192.168.1.5.49862 > 192.168.1.100.80: . ack 342 win 4721
14:35:39.643660 IP 192.168.1.5.49862 > 192.168.1.100.80: P 339:658(319) ack 342 win 4721
14:35:39.646180 IP 192.168.1.100.80 > 192.168.1.5.49862: P 342:1747(1405) ack 658 win 255
14:35:39.646207 IP 192.168.1.5.49862 > 192.168.1.100.80: . ack 1747 win 6126
14:35:39.653066 IP 192.168.1.5.49862 > 192.168.1.100.80: P 658:1007(349) ack 1747 win 6126
14:35:39.655978 IP 192.168.1.100.80 > 192.168.1.5.49862: P 1747:3152(1405) ack 1007 win 254
14:35:39.655997 IP 192.168.1.5.49862 > 192.168.1.100.80: . ack 3152 win 7531
14:35:39.656046 IP 192.168.1.5.49863 > 192.168.1.100.80: S 2540359239:2540359239(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
14:35:39.658047 IP 192.168.1.100.80 > 192.168.1.5.49863: S 1370955968:1370955968(0) ack 2540359240 win 8192 <mss 1460,nop,wscale
14:35:39.658063 IP 192.168.1.5.49863 > 192.168.1.100.80: . ack 1 win 4380

```

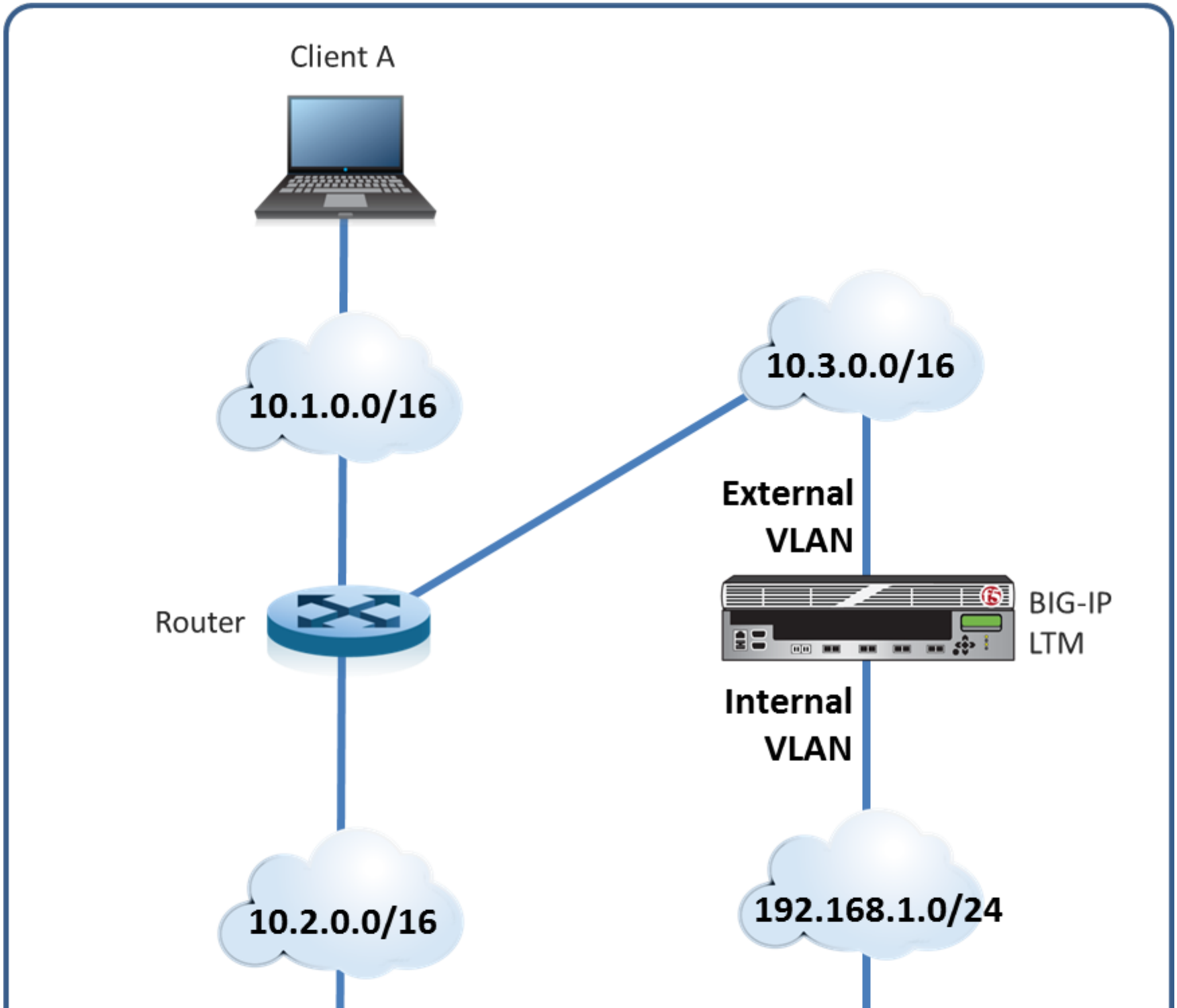

PACKET CAPTURE THROUGH LTM DEVICE - TRYING TO CONNECT DIRECTLY TO SERVER

EXTERNAL VLAN

```
14:32:49.057947 IP 10.1.5.100.49855 > 192.168.1.10.80: S 3803879960:3803879960 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:49.299299 IP 10.1.5.100.49856 > 192.168.1.10.80: S 2318792924:2318792924 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:52.077069 IP 10.1.5.100.49855 > 192.168.1.10.80: S 3803879960:3803879960 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:52.296629 IP 10.1.5.100.49856 > 192.168.1.10.80: S 2318792924:2318792924 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:58.092918 IP 10.1.5.100.49855 > 192.168.1.10.80: S 3803879960:3803879960 (0) win 8192 <mss 1460,nop,nop,sackOK>
14:32:58.312932 IP 10.1.5.100.49856 > 192.168.1.10.80: S 2318792924:2318792924 (0) win 8192 <mss 1460,nop,nop,sackOK>
```

INTERNAL VLAN

```
14:32:49.058417 IP 10.1.5.100.49855 > 192.168.1.10.80: S 3803879960:3803879960 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:49.299448 IP 10.1.5.100.49856 > 192.168.1.10.80: S 2318792924:2318792924 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:52.077090 IP 10.1.5.100.49855 > 192.168.1.10.80: S 3803879960:3803879960 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:52.296656 IP 10.1.5.100.49856 > 192.168.1.10.80: S 2318792924:2318792924 (0) win 8192 <mss 1460,nop,wscale 2,nop,nop,sackOK>
14:32:58.092936 IP 10.1.5.100.49855 > 192.168.1.10.80: S 3803879960:3803879960 (0) win 8192 <mss 1460,nop,nop,sackOK>
14:32:58.312960 IP 10.1.5.100.49856 > 192.168.1.10.80: S 2318792924:2318792924 (0) win 8192 <mss 1460,nop,nop,sackOK>
```



-- Exhibit --

Refer to the exhibits.

Users are able to access the application when connecting to the virtual server but are unsuccessful when connecting directly to the application servers. The LTM Specialist wants to allow direct access to the application servers.

Why are users unable to connect directly to the application servers?

Options:

- A-** The router does NOT have a route to the server subnet.
- B-** The web server does NOT have a correct default gateway.
- C-** The LTM device does NOT have a SNAT on the External VLAN.
- D-** The LTM device does NOT have an IP Forwarding virtual server on the Internal VLAN.
- E-** The LTM device does NOT have an IP Forwarding virtual server on the External VLAN.

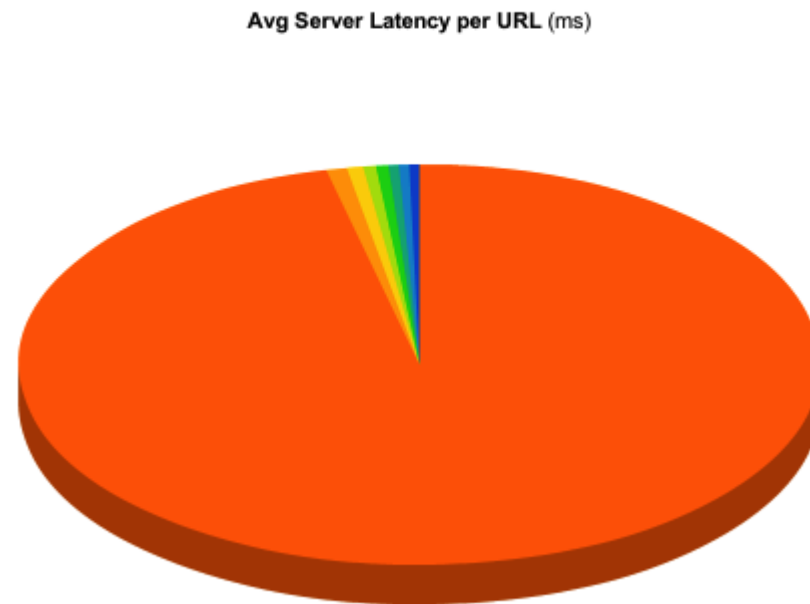
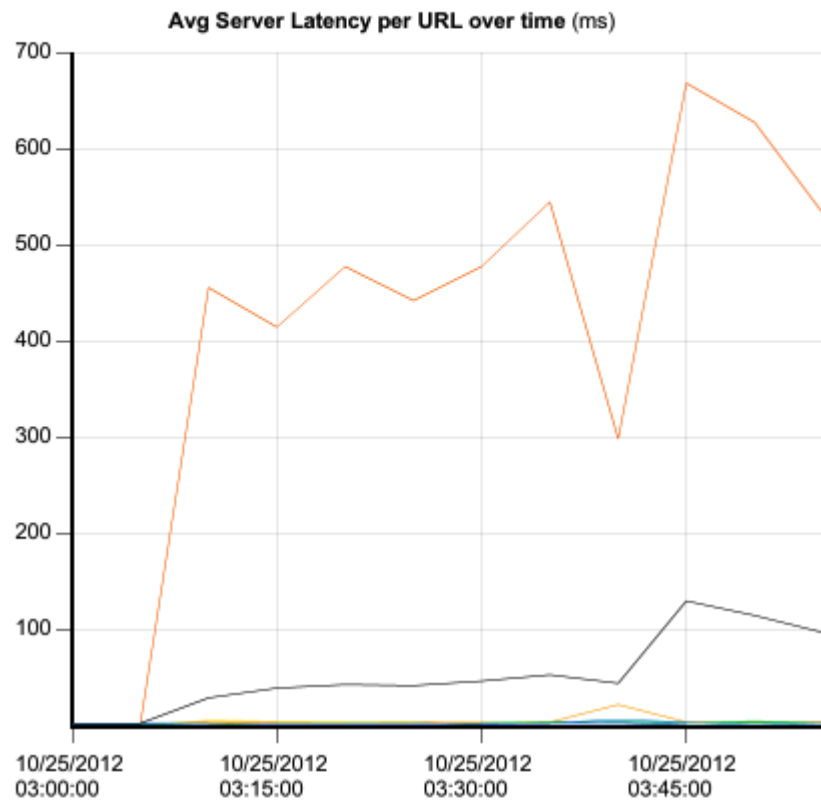
Answer:

B

Question 3

Question Type: MultipleChoice

-- Exhibit --

View By: Time Period: [Expand Advanced Filters](#)[Export](#)Display method:

Measurement to display:

Details

<input checked="" type="checkbox"/>	#	URL	Avg Server Latency (ms)	Max Server Latency (ms)	Transactions
<input checked="" type="checkbox"/>	1	/slow1.php	502.12	1,551.00	459
<input checked="" type="checkbox"/>	2	/page14.cgi	4.33	408.00	506
<input checked="" type="checkbox"/>	3	/env.cgi	3.45	6.00	51
<input checked="" type="checkbox"/>	4	/not-logged-in.php	2.67	4.00	12
<input checked="" type="checkbox"/>	5	/safari.jpg	2.56	213.00	1,247
<input checked="" type="checkbox"/>	6	/slow2.php	2.21	12.00	358
<input checked="" type="checkbox"/>	7	/reflector.php	2.18	6.00	11
<input checked="" type="checkbox"/>	8	/favicon.ico	2.13	49.00	1,740

-- Exhibit --

Refer to the exhibit.

Which URL should be reported to the server/application team as getting user-visible errors?

Options:

A- /env.cgi

B- /page14.cgi

C- /reflector.php

D- /browserspecific.html

Answer:

B

Question 4

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
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 info 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 mes
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
```

-- 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 5

Question Type: MultipleChoice

-- Exhibit --

New TCP connection #3: 172.16.1.20(49379) <-> 172.16.20.1(443)

3 1 0.0006 (0.0006) C>S Handshake

```
ClientHello
  Version 3.1
  cipher suites
  TLS_RSA_WITH_RC4_128_SHA
  TLS_RSA_WITH_AES_128_CBC_SHA
  TLS_RSA_WITH_AES_256_CBC_SHA
  TLS_RSA_WITH_3DES_EDE_CBC_SHA
  Unknown value 0x3c
  Unknown value 0x3d
  Unknown value 0xff
  compression methods
  NULL
```

3 2 0.0009 (0.0002) S>C Handshake

```
ServerHello
  Version 3.1
  session_id[32]=
    ed 15 16 5f c2 9d bf 5e e6 70 0e a4 86 59 bf 27
    e7 b5 fa 49 38 fd 24 d7 c3 1e c1 9f d2 67 e4 f7
  cipherSuite      TLS_RSA_WITH_RC4_128_SHA
  compressionMethod      NULL
```

3 3 0.0009 (0.0000) S>C Handshake

```
Certificate
```

3 4 0.0009 (0.0000) S>C Handshake

```
ServerHelloDone
```

New TCP connection #4: 172.16.1.20(49380) <-> 172.16.20.1(443)

4 1 0.0004 (0.0004) C>S Handshake

```
ClientHello
  Version 3.1
  cipher suites
  TLS_RSA_WITH_RC4_128_SHA
  TLS_RSA_WITH_AES_128_CBC_SHA
  TLS_RSA_WITH_AES_256_CBC_SHA
  TLS_RSA_WITH_3DES_EDE_CBC_SHA
  Unknown value 0x3c
  Unknown value 0x3d
  Unknown value 0xff
  compression methods
  NULL
```

4 2 0.0007 (0.0002) S>C Handshake

```
ServerHello
  Version 3.1
  session_id[32]=
    f5 eb fe e9 8e fc e9 7f c5 13 1b 40 69 15 08 72
    95 ef 43 e5 4e 10 f4 3b b2 3e 5c ec 5e ee 66 a8
```



```
[~]$ openssl s_client -connect 172.16.20.1:443
CONNECTED(00000003)
depth=0 /O=TurnKey Linux/OU=Software appliances
verify error:num=18:self signed certificate
verify return:1
depth=0 /O=TurnKey Linux/OU=Software appliances
verify return:1
---
Certificate chain
 0 s:/O=TurnKey Linux/OU=Software appliances
  i:/O=TurnKey Linux/OU=Software appliances
---
Server certificate
-----BEGIN CERTIFICATE-----
MIICgzCCAeygAwIBAgIJJAImLXLVLJqYzBMA0GCSqGSIb3DQEBBQUAMDYx
FjAUBgNV
BAoTDVVR1cm5LZXkgTGludXgxHDAaBgNVBAsTE1NvZnR3YXJlIGFwcGxp
YW5jZXMw
HhcNMTAwNDEMTkxNDQzWWhcNMjAwNDEyMTkxNDQzWjA2MRYwFAYD
VQKKEw1UdXJu
S2V5IEIexpbnV4MRwwGgYDVQQLEXNTb2Z0d2FyZSBhcHBsaWFuY2Vz
MIGfMA0GCSqG
SIb3DQEBAQUAA4GNADCBiQKBgQCvLgenrRHsav6R+M/xYyooMJVpXWZ
bzeKu04ro
eudY0KOWwa2zF9jaD0HDIJ3MtnVYaHMsHZvqoo1Q8EfohP85RfHrO4
kMxtvAefm
slqGE7MkmIxLtwYjjWXmwxW7sCFL19kt6pFOatzqeK3WxbdM5yF/RTH
F4R/vyKQI
21Yf/wIDAQABo4GYMIGVMB0GA1UdDgQWBBERG5CDKtOlkiix7sc2JjoV
Hajd2zBm
BgNVHSMEXzBdgBRG5CDKtOlkiix7sc2JjoVHajd26E6pDgWnjEWMBQ
GA1UEChMN
VHVybktleSBMaW5leDEcMBoGA1UECXMtU29mdHdhcmUgYXBwbGlhbm
Nlc4IJAImL
XVLJqYzBMAwGA1UdEwQFMAMBAf8wDQYJKoZIhvcNAQEFBQADgYEANo2
TuXFVZKWG
n6KznFgueLGzn+qgyIz0ZVG5PF8RRzHPYDAIDRUOMEReQHhI4CRIm
MAwTAFdmhpl
RGH2+Iqwg1EPB7K6eudRy0D9GqzMHZrdMo9d3ewPB3BqjOrPhs5yR
TgNrZHyasJr
ZAiCzekf24SwNpmhfHyyam88N2+WgqU=
-----END CERTIFICATE-----
subject=/O=TurnKey Linux/OU=Software appliances
issuer=/O=TurnKey Linux/OU=Software appliances
---
No client certificate CA names sent
---
SSL handshake has read 1211 bytes and written 328 bytes
---
New, TLSv1/SSLv3, Cipher is DHE-RSA-AES256-SHA
Server public key is 1024 bit
Secure Renegotiation IS NOT supported
Compression: NONE
Expansion: NONE
SSL-Session:
    Protocol : TLSv1
    Cipher   : DHE-RSA-AES256-SHA
    Session-ID: E457C0A12201A70C4E65511A1CD35D7738B1073068D7DB164F2D7413D4487ACC
    Session-ID-ctx:
```

-- Exhibit --

Refer to the exhibits.

After upgrading LTM from v10 to v11, users are unable to connect to an application. The virtual server is using a client SSL profile for re-terminating SSL for payload inspection, but a server SSL profile is being used to re-encrypt the request.

A client side ssldump did NOT show any differences between the traffic going directly to the server and the traffic being processed by the LTM device. However, packet capture was done on the server, and differences were noted.

Which modification will allow the LTM device to process the traffic correctly?

Options:

- A- Enable Strict Resume.
- B- Change Secure Renegotiation to 'Request.'
- C- Enable ProxySSL option in the server SSL profile.
- D- Change to different ciphers on the server SSL profile.

Answer:

B

Question 6

Question Type: MultipleChoice

-- 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?

Options:

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.

Answer:


E




Question 7

Question Type: MultipleChoice

-- Exhibit --

LTM device statistics

		Search		Reset Search		Bits		Packets		Connections	
<input checked="" type="checkbox"/>	Status	Virtual Server	Partition / Path	Details	In	Out	In	Out	Current	Maximum	Total
<input type="checkbox"/>		VS_HTTP	Common	View...	283.8K	2.4M	391	544	0	5	55

		Search		Reset Search		Bits		Packets		Connections	
<input checked="" type="checkbox"/>	Status	Pool/Member	Partition / Path		In	Out	In	Out	Current	Maximum	Total
<input type="checkbox"/>		Pool_HTTP	Common		193.9K	2.4M	284	347	0	5	
<input type="checkbox"/>		-- 172.16.20.1:80	Common		103.4K	1.5M	163	206	0	1	
<input type="checkbox"/>		-- 172.16.20.2:80	Common		90.1K	872.4K	120	141	0	2	
<input type="checkbox"/>		-- 172.16.20.3:80	Common		416	0	1	0	0	2	

-- Exhibit --

Refer to the exhibit.

An LTM Specialist is investigating intermittent page load issues being reported by users.

What should the LTM Specialist do to resolve the issue?

Options:

A- Remove HTTP monitor on the pool.

- B-** Assign an HTTP monitor to the pool.
- C-** Select least connections load balancing method on virtual server.
- D-** Remove least connections load balancing method on virtual server.

Answer:

B

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