



301B^{Q&As}

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

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QUESTION 1

An LTM Specialist is setting up a monitor for an HTTP 1.1 server. The response to a GET / is:

HTTP/1.1 302 Moved Temporarily Location: http://www.example.com/new/location.html Which send string settings should the LTM Specialist use to force a proper response?

- A. GET / HTTP/1.0\r\nHost: host.domain.com\r\nConnection: Close\r\n\r\n
- B. GET /new/location.html HTTP/1.1\r\nHost: www.example.com\r\nConnection: Close\r\n\r\n
- C. GET / HTTP/1.1\r\nHost: www.example.com/new/location.html\r\nConnection: Close\r\n\r\n
- D. GET /new/location.html HTTP/1.1\r\nHost: host.domain.com/new/locations.html\r\nConnection: Close\r\n\r\n

Correct Answer: B

QUESTION 2

-- Exhibit

External Vlan tcpdump:

```
16:38:10.184240 IP 168.210.232.5.59156 > 66.212.246.58.1990: S 1208467898:1208467898(0) win 8192 <mss 1380,nop,wscale 8,nop,nop,sackOK>
16:38:10.184249 IP 66.212.246.58.1990 > 168.210.232.5.59156: S 2009182511:2009182511(0) ack 1208467899 win 4140 <mss 1460,nop,wscale 0,sackOK,eol>
16:38:10.454030 IP 168.210.232.5.59156 > 66.212.246.58.1990: . ack 1 win 5
16:38:52.809723 IP 168.210.232.5.31084 > 66.212.246.58.1991: S 2991752264:2991752264(0) win 8192 <mss 1380,nop,wscale 8,nop,nop,sackOK>
16:38:52.809734 IP 66.212.246.58.1991 > 168.210.232.5.31084: S 2217364875:2217364875(0) ack 2991752265 win 4140 <mss 1460,nop,wscale 0,sackOK,eol>
16:38:52.737749 IP 168.210.232.5.59172 > 66.212.246.58.2002: S 3158709238:3158709238(0) win 8192 <mss 1380,nop,wscale 8,nop,nop,sackOK>
16:38:52.737766 IP 66.212.246.58.2002 > 168.210.232.5.59172: S 7716150:7716150(0) ack 3158709239 win 4140 <mss 1460,nop,wscale 0,sackOK,eol>
16:38:53.007421 IP 168.210.232.5.59172 > 66.212.246.58.2002: . ack 1 win 5
16:38:53.078216 IP 168.210.232.5.31084 > 66.212.246.58.1991: . ack 1 win 5
16:43:21.434766 IP 168.210.232.5.59156 > 66.212.246.58.1990: R 830:830(0) ack 94934 win 0
```

Internal Vlan tcpdump:

```
16:38:11.887217 IP 168.210.232.5.10033 > 10.240.243.65.1989: S 2408612037:2408612037(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
16:38:11.887559 IP 10.240.243.65.1989 > 168.210.232.5.10033: S 165435577:165435577(0) ack 2408612038 win 8192 <mss 1310,nop,nop,sackOK>
16:38:11.887566 IP 168.210.232.5.10033 > 10.240.243.65.1989: . ack 1 win 4380
16:38:53.007459 IP 168.210.232.5.59172 > 10.240.243.66.2002: S 26149351:26149351(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
16:38:53.007908 IP 10.240.243.66.2002 > 168.210.232.5.59172: S 3860985485:3860985485(0) ack 26149352 win 8192 <mss 1310,nop,nop,sackOK>
16:38:53.007916 IP 168.210.232.5.59172 > 10.240.243.66.2002: . ack 1 win 4380
16:38:53.078499 IP 168.210.232.5.31084 > 10.240.242.197.1991: S 2788170026:2788170026(0) win 4380 <mss 1460,nop,wscale 0,sackOK,eol>
16:38:53.078861 IP 10.240.242.197.1991 > 168.210.232.5.31084: S 2169754248:2169754248(0) ack 2788170027 win 8192 <mss 1310,nop,wscale 8,nop,nop,sackOK>
16:38:53.078871 IP 168.210.232.5.31084 > 10.240.242.197.1991: . ack 1 win 4380
16:43:29.434782 IP 168.210.232.5.10033 > 10.240.243.65.1989: R 181:181(0) ack 88278 win 65535
```

-- Exhibit -Refer to the exhibit.

A company uses a complex piece of client software that connects to one or more virtual servers (VS) hosted on an LTM device. The client software is experiencing issues. An LTM Specialist is tasked with finding the cause of the problem.

The LTM Specialist has the tcpdump extract and knows the client software has at least one connection to a VS on port 1990. However, when a tcpdump runs on the internal VLAN, there is no record of port 1990 in the tcpdump.

Why is there no record of port 1990 in the tcpdump?

- A. The LTM device drops the connection.
- B. Port 1990 is a well-known port, so its use is restricted.
- C. The LTM device performs a Port Address Translation (PAT).



D. The LTM device performs a Network Address Translation (NAT).

Correct Answer: C

QUESTION 3

-- Exhibit

```
21:48:50.118288 IP 10.0.0.2.49662 > 10.0.0.1.http: S 2982039927:2982039927(0) win 8192
21:48:50.118323 IP 10.0.0.1.http > 10.0.0.2.49662: S 4109615223:4109615223(0) ack 2982039928 win 4248
21:48:50.278582 IP 10.0.0.2.49662 > 10.0.0.1.http: . ack 1 win 16638 in slot1/tmm2 lis=/Common/test-vs
21:48:50.280165 IP 10.0.0.2.49662 > 10.0.0.1.http: P 1:560(559) ack 1 win 16638 in slot1/tmm2 lis=/Common/test-vs
GET / HTTP/1.1
Accept: application/x-ms-application, image/jpeg, application/xaml+xml, image/gif, image/pjpeg
Accept-Language: en-GB
User-Agent: Mozilla/4.0
Accept-Encoding: gzip, deflate
Host: 10.0.0.1
Connection: Keep-Alive
21:48:50.280270 IP 10.0.0.1.http > 10.0.0.2.49662: . ack 560 win 4807 out slot1/tmm2 lis=/Common/test-vs
21:48:50.283344 IP 10.0.0.1.http > 10.0.0.2.49662: P 1:122(121) ack 560 win 4807 out slot1/tmm2 lis=/Common/test-vs
HTTP/1.0 401 Unauthorized
WWW-Authenticate: Basic realm=""
Server: BigIP
Connection: Keep-Alive
Content-Length: 0
21:48:50.642340 IP 10.0.0.2.49662 > 10.0.0.1.http: . ack 122 win 16607 in slot1/tmm2 lis=/Common/test-vs
21:48:54.676670 IP 10.0.0.2.49662 > 10.0.0.1.http: P 560:1158(598) ack 122 win 16607 in slot1/tmm2 lis=/Common/test-vs
GET / HTTP/1.1
Accept: application/x-ms-application, image/jpeg, application/xaml+xml, image/gif, image/pjpeg
Accept-Language: en-GB
User-Agent: Mozilla/4.0
Accept-Encoding: gzip, deflate
Host: 10.0.0.1
Connection: Keep-Alive
Authorization: Basic YWRtaW46YWRtaW4=
21:48:54.676781 IP 10.0.0.1.http > 10.0.0.2.49662: . ack 1158 win 5405 out slot1/tmm2 lis=/Common/test-vs
21:48:54.679242 IP 10.0.0.1.http > 10.0.0.2.49662: P 122:243(121) ack 1158 win 5405 out slot1/tmm2 lis=/Common/test-vs
HTTP/1.0 401 Unauthorized
WWW-Authenticate: Basic realm=""
Server: BigIP
Connection: Keep-Alive
Content-Length: 0
21:48:55.031314 IP 10.0.0.2.49662 > 10.0.0.1.http: . ack 243 win 16577 in slot1/tmm2 lis=/Common/test-vs
```

-- Exhibit -Refer to the exhibit.

A user is unable to access an application.

What is the root cause of the problem?

- A. The User-Agent is incorrect.
- B. The '\\Content-Length\\' is zero.
- C. The user failed authentication.
- D. The GET request uses the wrong syntax.

Correct Answer: C



QUESTION 4

An LTM Specialist has just captured trace /var/tmp/trace.cap for site www.example.com while listening on virtual address 10.0.0.1:443 configured on partition ApplicationA. The data payload being captured is SSL encrypted.

Which command should the LTM Specialist execute to decrypt the data payload?

- A. `ssldump -Aed -nr /var/tmp/trace.cap -k /config/filestore/files_d/Common_d/certificate_d/Common:www.example.com.crt_1`
- B. `ssldump -Aed -nr /var/tmp/trace.cap -k /config/filestore/files_d/Common_d/certificate_key_d/Common:www.example.com.key_1`
- C. `ssldump -Aed -nr /var/tmp/trace.cap -k /config/filestore/files_d/ApplicationA_d/certificate_d/ApplicationA:www.example.com.crt_1`
- D. `ssldump -Aed -nr /var/tmp/trace.cap -k /config/filestore/files_d/ApplicationA_d/certificate_key_d/ApplicationA:www.example.com.key_1`

Correct Answer: B

QUESTION 5

What is the correct command to reset an LTM device to its default settings?

- A. `tmsh reset-all default`
- B. `tmsh set /sys config defaults`
- C. `tmsh load /sys config default`
- D. `tmsh /util bigpipe reset-factory-defaults`

Correct Answer: C

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