



# 301B<sup>Q&As</sup>

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

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### QUESTION 1

-- Exhibit -- Exhibit -Refer to the exhibit. An LTM Specialist is investigating reports that users are unable to perform some commands through an FTP virtual server. The users are receiving the FTP error "500 Illegal PORT command." The virtual server is configured to SNAT using

No.	Time	Source	Src Port	Destination	Dst Port	Protocol	Length	Info
101	6.093319	10.10.17.50	21	10.10.1.2	50589	FTP	115	Response: 230 Login successful.
104	6.096106	10.10.1.2	50589	10.10.17.50	21	FTP	98	Request: SYST
105	6.096133	172.16.17.33	50589	172.16.20.3	21	FTP	98	Request: SYST
108	6.097086	172.16.20.3	21	172.16.17.33	50589	FTP	111	Response: 215 UNIX Type: L8
109	6.097113	10.10.17.50	21	10.10.1.2	50589	FTP	111	Response: 215 UNIX Type: L8
124	8.153091	10.10.1.2	50589	10.10.17.50	21	FTP	115	Request: PORT 10,10,1,2,160,88
126	8.153145	172.16.17.33	50589	172.16.20.3	21	FTP	115	Request: PORT 10,10,1,2,160,88
128	8.154290	172.16.20.3	21	172.16.17.33	50589	FTP	119	Response: 500 Illegal PORT command.
130	8.154336	10.10.17.50	21	10.10.1.2	50589	FTP	119	Response: 500 Illegal PORT command.
150	10.241918	10.10.1.2	50589	10.10.17.50	21	FTP	98	Request: QUIT
151	10.241963	172.16.17.33	50589	172.16.20.3	21	FTP	98	Request: QUIT
154	10.243124	172.16.20.3	21	172.16.17.33	50589	FTP	106	Response: 221 Goodbye.
156	10.243159	10.10.17.50	21	10.10.1.2	50589	FTP	106	Response: 221 Goodbye.

  

```

Frame 126: 115 bytes on wire (920 bits), 115 bytes captured (920 bits)
Ethernet II, Src: Vmware_29:00:9c (00:50:56:29:00:9c), Dst: Vmware_29:01:be (00:50:56:29:01:be)
802.1Q Virtual LAN, PRI: 0, CFI: 0, ID: 4093
Internet Protocol Version 4, Src: 172.16.17.33 (172.16.17.33), Dst: 172.16.20.3 (172.16.20.3)
Transmission Control Protocol, Src Port: 50589 (50589), Dst Port: ftp (21), Seq: 48, Ack: 135, Len: 23
File Transfer Protocol (FTP)
  PORT 10,10,1,2,160,88\r\n
    Request command: PORT
    Request arg: 10,10,1,2,160,88
    Active IP address: 10.10.1.2 (10.10.1.2)
    Active port: 41048
    Active IP NAT: True
  
```

automap. The LTM Specialist performs a capture on the server side of the LTM device. Why is the server returning this error?

- A. LIST command disallowed
- B. PORT command disallowed
- C. Active IP address in PORT command
- D. Active IP address in LOGIN command

Correct Answer: C

### QUESTION 2

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

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### QUESTION 3

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 GMT 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

Which issue is the pool member having?

- A. The pool member has too many concurrent connections.
- B. The pool member is rejecting the request because it is invalid.
- C. The pool member lacks the object requested by the monitor.
- D. The pool member is NOT accepting requests from the LTM device IP address.

Correct Answer: B

---

### QUESTION 4

Which two alerting capabilities can be enabled from within an application visibility reporting (AVR) analytics profile? (Choose two.)

- A. sFlow
- B. SNMP
- C. e-mail
- D. LCD panel alert
- E. high speed logging (HSL)

Correct Answer: BC

---

### QUESTION 5



-- Exhibit -- 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-b1-4clf608458836"
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
```

Refer to the exhibit.

An LTM Specialist has created a virtual server to balance connections to a pool of application servers and offload SSL decryption. Clients connect to the application at <https://www.example.com/>. The virtual server is configured with a `clientsssl`

profile but no `serverssl` profile. The application servers are listening on ports 80 and 443. Users are unable to connect to the application through the virtual server but are able to connect directly to the application server.

What is the root cause of the error?

A. The LTM device is chunking responses.



- B. The LTM device is redirecting users to HTTPS.
- C. The pool members are configured with the wrong port.
- D. The application servers are redirecting users to HTTPS.

Correct Answer: D

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