



**Free Questions for 301b by dumpssheet**

**Shared by Shepherd on 29-01-2024**

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# Question 1

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**Question Type:** MultipleChoice

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-- Exhibit --



-- Exhibit --

Refer to the exhibit.

An LTM Specialist has a virtual server set up on the LTM device as per the exhibit. The LTM Specialist receives reports of intermittent issues. Some clients are connecting fine while others are failing to connect.

The LTM Specialist does a tcpdump on the relevant interfaces, with the following results extracted:

What is causing the intermittent issues?

### Options:

---

- A-** The firewall is dropping the packets from WS1.
- B-** The default gateway is inaccessible from WS1.
- C-** The load balancing (LB) method is inappropriate.
- D-** The pool members have been set up as an active/standby pair, with WS1 as the standby.

### Answer:

---

B

# Question 2

---

Question Type: MultipleChoice

---

-- Exhibit --

```
1 1 0.2423 (0.2423) C>S Handshake
    ClientHello
      Version 3.2
      cipher suites
        TLS_DHE_RSA_WITH_AES_256_CBC_SHA
        TLS_DHE_DSS_WITH_AES_256_CBC_SHA
        TLS_DHE_DSS_WITH_3DES_EDE_CBC_SHA
        TLS_RSA_WITH_3DES_EDE_CBC_SHA
      compression methods
        NULL
Unknown SSL content type 72
1 2 0.2432 (0.0008) S>CShort record
1 0.2432 (0.0000) S>C TCP FIN
New TCP connection #2: 168.210.232.5(24782) <->
193.33.229.103(443)
2 1 0.2393 (0.2393) C>S Handshake
    ClientHello
      Version 3.2
      cipher suites
        TLS_DHE_RSA_WITH_AES_256_CBC_SHA
        TLS_DHE_DSS_WITH_AES_256_CBC_SHA
        TLS_DHE_DSS_WITH_3DES_EDE_CBC_SHA
        TLS_RSA_WITH_3DES_EDE_CBC_SHA
      compression methods
        NULL
Unknown SSL content type 72
2 2 0.2404 (0.0010) S>CShort record
2 0.2404 (0.0000) S>C TCP FIN
2 3 0.4738 (0.2333) C>S Alert
    level      fatal
    value      unexpected_message
2 0.4742 (0.0003) C>S TCP FIN
1 3 0.4857 (0.2425) C>S Alert
    level      fatal
    value      unexpected_message
1 0.4857 (0.0000) C>S TCP FIN
```

-- Exhibit --

Refer to the exhibit.

A client attempts to connect from a Google Chrome browser to a virtual server on a BIG-IP LTM. The virtual server is SSL Offloaded. When the client connects, the client receives an SSL error. After trying Mozilla Firefox and Internet Explorer browsers, the client still receives the same errors.

The LTM Specialist does an ssldump on the virtual server and receives the results as per the exhibit.

What is the problem?

### Options:

---

- A-** The SSL key length is incorrect.
- B-** The BIG-IP LTM is NOT serving a certificate.
- C-** The BIG-IP LTM is NOT listening on port 443.
- D-** The client needs to be upgraded to the appropriate cipher-suite.

### Answer:

---

B

# Question 3

---

Question Type: MultipleChoice

---

-- Exhibit --





User IP: 168.210.232.5

F5 Self IP: 195.56.67.89/26  
VLAN: External

F5 Self IP: 192.168.100.100/24  
VLAN: Internal



Virtual Server: WEBSERVICES1  
IP: 195.56.67.90/26  
Port: 443  
SSL Offloading Enabled

External Interface:  
195.56.67.66/26



Firewall

Internal Interface:  
192.168.100.1/24



Node: WS1  
IP: 192.168.100.20/24  
DG: 192.168.100.1



Node: WS2  
IP: 192.168.100.21/24  
DG: 192.168.100.1

Pool Name: WebServices1  
Notes: Service: port 80  
LB Method: Least conns (member)

-- Exhibit --

Refer to the exhibit.

Users receive an error when attempting to connect to the website <https://website.com>. The website has a DNS record of 195.56.67.90. The upstream ISP has confirmed that there is nothing wrong with the routing between the user and the LTM device.

The following tcpdump outputs have been captured:

External Vlan, filtered on IP 168.210.232.5

00:25:07.598519 IP 168.210.232.5.33159 > 195.56.67.90.https: S 1920647964:1920647964(0) win 8192

00:25:07.598537 IP 195.56.67.90.https > 168.210.232.5.33159: S 2690691360:2690691360(0) ack 1920647965 win 4350

00:25:07.598851 IP 168.210.232.5.33160 > 195.56.67.90.https: S 2763858764:2763858764(0) win 8192

00:25:07.598858 IP 195.56.67.90.https > 168.210.232.5.33160: S 1905576176:1905576176(0) ack 2763858765 win 4350

Internal Vlan, filtered on IP 168.210.232.5

00:31:46.171124 IP 168.210.232.5.33202 > 192.168.100.20.http: S 2389057240:2389057240(0) win 4380

What is the problem?

**Options:**

---

- A- The filters on the tcpdumps are incorrect.
- B- The DNS entry for website.com is incorrect.
- C- The virtual server 'WEBSERVICES1' is listening on the incorrect port.
- D- The firewall is dropping the connection coming from the pool members returned to the client.
- E- The subnet masks of the pool members of pool WebServices1 and the f5 'Internal' Vlan are incorrect.

**Answer:**

---

D

## Question 4

---

**Question Type:** MultipleChoice

---

-- Exhibit --

**Status**

**Diagnostics**

|                |                                                       |
|----------------|-------------------------------------------------------|
| Results        | 3 High 1 Medium 2 Low                                 |
| Recommendation | Upgrade to version: 11.2.0 or higher                  |
| Status         | No new potential issues identified since last update. |

**Errors**

|             |                                     |
|-------------|-------------------------------------|
| Extraction  | No errors during QKView extraction. |
| Diagnostics | No errors during diagnostics run.   |

-- Exhibit --

Refer to the exhibit.

Which step should an LTM Specialist take next to finish upgrading to HD1.3?

**Options:**

- A- Install image to HD1.3
- B- Install hotfix to HD1.3
- C- Activate HD1.3
- D- Relicense HD1.3

**Answer:**

C

## Question 5

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**Question Type:** MultipleChoice

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-- Exhibit --

Hostname: V11-BigIP-A.local  
IP Address: 10.0.0.231

Date: Oct 17, 2012  
Time: 1:12 PM (EDT)

User: admin  
Role: Administrator

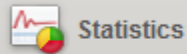


ONLINE (ACTIVE)  
Not All Devices Synced

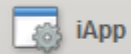
Main

Help

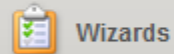
About



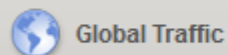
Statistics



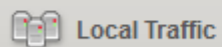
iApp



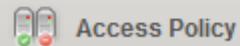
Wizards



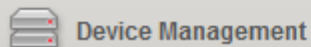
Global Traffic



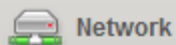
Local Traffic



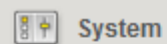
Access Policy



Device Management



Network



System

Configuration ▶

Device Certificates ▶

File Management ▶

Disk Management

Software Management ▶

License

Resource Provisioning

Platform

High Availability ▶

System » Software Management : Image List



Image List

Hotfix List

Antivirus Check Updates

Boot Locations

### Installed Images

| Product | Version | Build  | Disk | Boot Location | Active |
|---------|---------|--------|------|---------------|--------|
| BIG-IP  | 11.2.1  | 797.0  | HD1  | HD1.1         | Yes    |
| BIG-IP  | 11.1.0  | 2268.0 | HD1  | HD1.2         | No     |
| BIG-IP  | 11.2.1  | 797.0  | HD1  | HD1.3         | No     |

### Available Images

| <input checked="" type="checkbox"/> | Status                              | Software Image          | Version | L |
|-------------------------------------|-------------------------------------|-------------------------|---------|---|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | BIGIP-11.1.0.1943.0.iso | 11.1.0  | T |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | BIGIP-11.2.1.797.0.iso  | 11.2.1  | W |

Delete

Install...

-- Exhibit --

Refer to the exhibit.

An LTM Specialist has uploaded a qkview to F5 iHealth.

Within the GUI, what is the correct procedure to comply with the recommendation shown in the exhibit?

### Options:

---

**A-** Obtain product version image from [release.f5.com](https://release.f5.com).

Overwrite existing image with new product version image.

Select product version image and click Install.

Select the available disk and volume set name.

**B-** Obtain product version image from [images.f5.com](https://images.f5.com).

Overwrite existing image with new product version image.

Select product version image and click Install.

Select the available disk and volume set name.

**C-** Obtain product version image from [downloads.f5.com](https://downloads.f5.com).

Import product version image.

Install image onto BIG-IP platform.

Select product version image and click Install.

Select the available disk and volume set name.

**D-** Log a call requesting the product version image via [websupport.f5.com](https://websupport.f5.com)

Import product version image.  
Install image onto BIG-IP platform.  
Select product version image and click Install.  
Select the available disk and volume set name.

**Answer:**

---

C

## Question 6

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**Question Type:** MultipleChoice

---

-- Exhibit --



An SSH configuration error exposes a potential vulnerability - CVE-2012-1493

Recommended upgrade version

10.2.4 11.0.0.HF2 11.1.0.HF3 11.2.0

Solution Links

[SOL13600](#)

Heuristic Name

H386652

Was this helpful?

Yes

No

Details

Related Changes

ID 379600

Description

An SSH configuration error in the default SSH configuration may allow unauthorized remote users to gain privileged access to the system.

Recommendation resolution

Upgrade to an unaffected version. For workaround information, refer to the linked Solution.

Additional Information

The current configuration appears to be vulnerable.

-- Exhibit --

Refer to the exhibit.

An LTM Specialist is working on an LTM 11.0.0 installation and has identified a security vulnerability as shown in the exhibit. The LTM Specialist is tasked with applying the latest available hotfix to resolve the problem.

Which procedure resolves the problem?

### Options:

**A-** Browse to System > Software Management > Hotfix List.

Import TMOS 11.2.0 to the available hotfix images.

Select the imported hotfix image and installation location and click Install.

**B-** Browse to System > Software Management > Hotfix List.

Import 11.1.0.HF3 to the available hotfix images.

Select the imported hotfix image and installation location and click Install.

**C-** Browse to System > Software Management > Image List.

Import TMOS 11.2.0 to the available hotfix images.

Select the imported hotfix image and installation location and click Install.

**D-** Browse to System > Software Management > Image List.

Import 11.1.0.HF3 to the available hotfix images.

Select the imported hotfix image and installation location and click Install.

**Answer:**

---

B

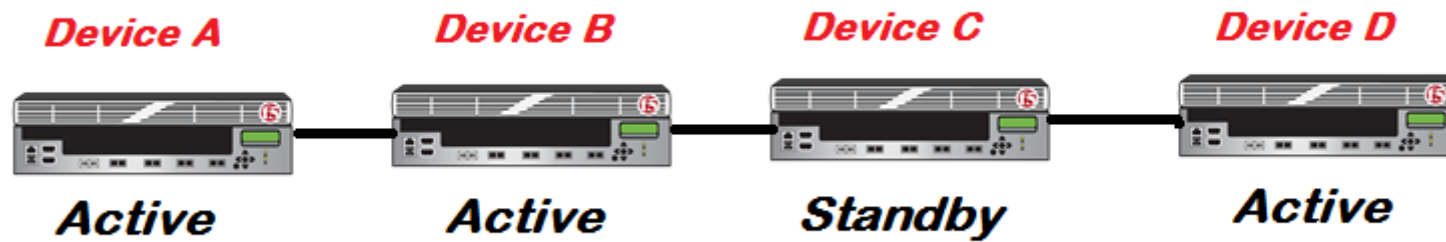
## Question 7

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**Question Type:** MultipleChoice

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-- Exhibit --



-- Exhibit --

Refer to the exhibit.

An LTM Specialist is upgrading the LTM devices.

Which device should be upgraded first?

### Options:

---

**A-** Device A

**B-** Device B

**C-** Device C

**D-** Device D

**Answer:**

---

C

## Question 8

---

**Question Type:** MultipleChoice

---

-- Exhibit --

**Profiles**

Select Profile:

[Clear Profile Statistics](#)

**Connections**

|              |     |
|--------------|-----|
| Open         | 0   |
| Accepted     | 693 |
| Not Accepted | 0   |
| Established  | 461 |
| Failed       | 0   |
| Expired      | 0   |
| Abandoned    | 0   |

**Miscellaneous**

|                         |   |
|-------------------------|---|
| Received Reset          | 0 |
| Bad Checksum            | 0 |
| Malformed Segment       | 0 |
| Segment out of Order    | 0 |
| Received SYN Cookie     | 0 |
| Received Bad SYN Cookie | 0 |
| SYN Cache Overflow      | 0 |
| Retransmitted Segments  | 0 |

**Configuration:**

Protocol:

Protocol Profile (Client):

Protocol Profile (Server):

OneConnect Profile:

NTLM Conn Pool:

HTTP Profile:

HTTP Compression Profile:

Web Acceleration Profile:

**Profiles**

Select Profile:

[Clear Profile Statistics](#)

**Cache**

|                     |       |
|---------------------|-------|
| Cache Size (bytes)  | 50.5K |
| Total Cached Items  | 1     |
| Total Evicted Items | 0     |

**Cache Hits / Misses**

|                      | Count | Size (bytes) |
|----------------------|-------|--------------|
| Hits                 | 232   | 12.0M        |
| Misses (Cacheable)   | 1     | 51.7K        |
| Misses (Uncacheable) | 0     | 0            |

**Profiles**

Select Profile:

[Clear Profile Statistics](#)

**Content Type Compression**

|       | Pre-Compress | Post-Compress |
|-------|--------------|---------------|
| HTML  | 0            | 0             |
| CSS   | 0            | 0             |
| JS    | 0            | 0             |
| XML   | 0            | 0             |
| SGML  | 0            | 0             |
| Plain | 23.6M        | 23.7M         |
| Image | 0            | 0             |
| Video | 0            | 0             |
| Other | 0            | 0             |
| Total | 23.6M        | 23.7M         |

**Profiles**

Select Profile:

[Clear Profile Statistics](#)

**Requests**

|                             |     |
|-----------------------------|-----|
| GET                         | 693 |
| POST                        | 0   |
| Version 0.9                 | 0   |
| Version 1.0                 | 0   |
| Version 1.1                 | 693 |
| Max Requests Per Connection | 1   |
| Total                       | 693 |

**Responses**

|               |     |
|---------------|-----|
| Successful    | 461 |
| Redirection   | 0   |
| Client Errors | 0   |
| Server Errors | 0   |
| Version 0.9   | 0   |
| Version 1.0   | 0   |
| Version 1.1   | 461 |

**Response Size (Kilobytes)**

|           |   |
|-----------|---|
| Responses | 0 |
|-----------|---|

**Miscellaneous**

|                       |   |
|-----------------------|---|
| Set Cookie Insertions | 0 |
|-----------------------|---|

-- Exhibit --

Refer to the exhibit.

Which profile could be removed or changed on this virtual server to reduce CPU load on the LTM device without increasing server side bandwidth usage?

### Options:

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A- tcp

B- http

C- httpcompression

D- optimized-caching

### Answer:

---

C

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