



**Free Questions for 301b by [certsinside](#)**

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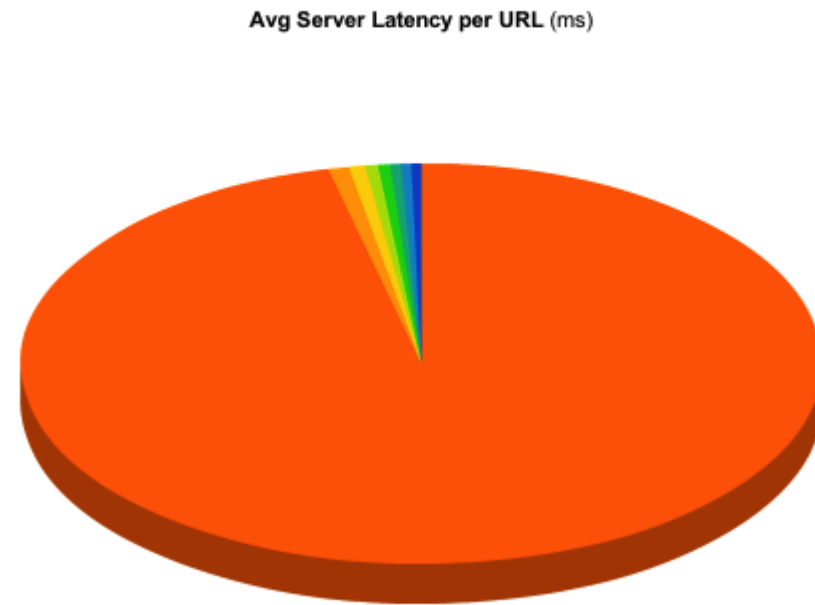
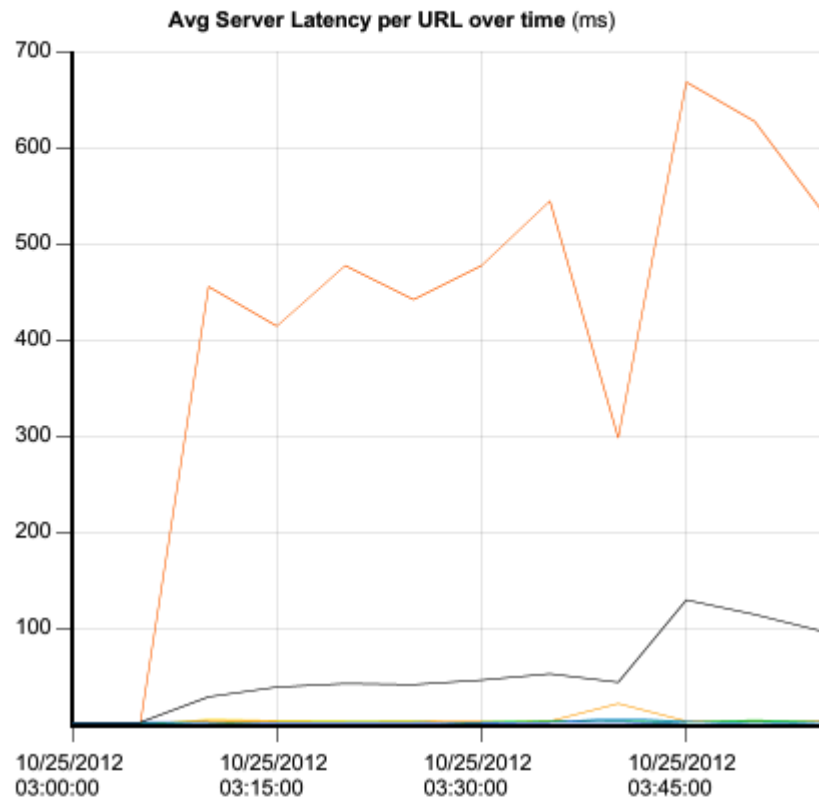
# Question 1

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**Question Type:** MultipleChoice









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-- Exhibit --

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

Measurement to display:

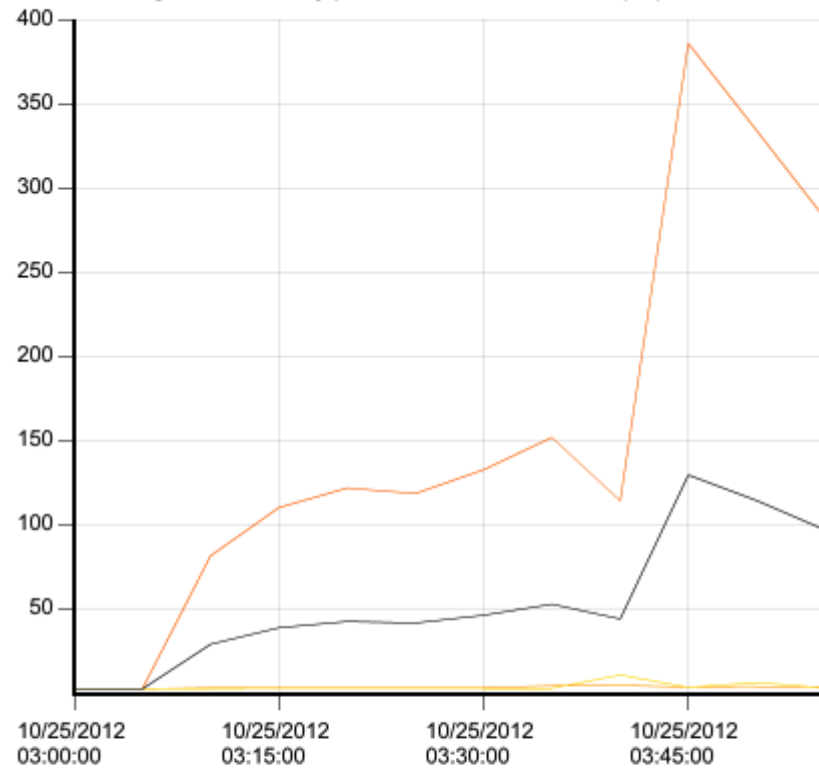
**Details**

<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

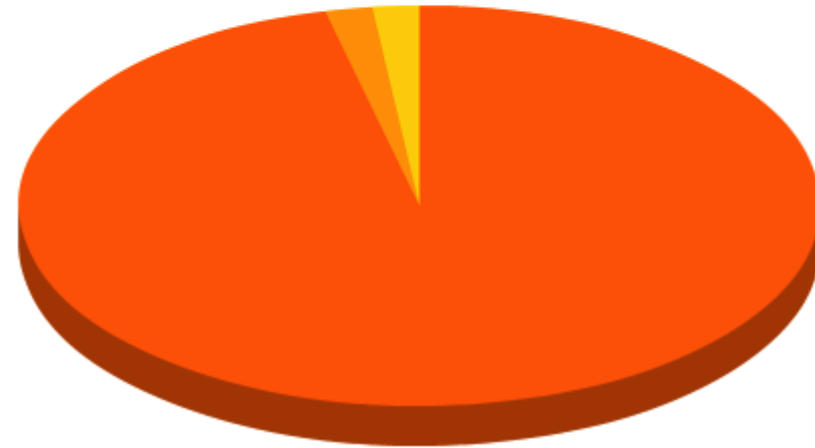


View By: Time Period: [Expand Advanced Filters](#) [Export](#)

Avg Server Latency per Pool Member over time (ms)

Display method: 

Avg Server Latency per Pool Member (ms)



Measurement to display:

**Details**

<input checked="" type="checkbox"/>	#	Pool Member	Avg Server Latency (ms)	Max Server Latency (ms)	Transactions
<input checked="" type="checkbox"/>	1	172.16.20.3:80	158.36	1,551.00	1,462
<input checked="" type="checkbox"/>	2	172.16.20.2:80	3.13	121.00	1,460
<input checked="" type="checkbox"/>	3	172.16.20.1:80	3.11	408.00	1,462
<input checked="" type="checkbox"/>	4	Total	54.89	1,551.00	4,384

Total: 3

-- Exhibit --

Refer to the exhibits.

Which URL on which server is causing the highest latency for users?

**Options:**

---

**A-** /slow1.php on 172.16.20.3

**B-** /slow2.php on 172.16.20.1

**C-** /reflector.php on 172.16.20.2

**D-** /Compress.HTML on 172.16.20.1

**Answer:**

---

A

## Question 2

---

**Question Type:** MultipleChoice

---

-- Exhibit --



Client



LTM Device



Reverse Proxy



Servers

snat\_rp.pcap [Wireshark 1.8.2 (SVN Rev Unknown from unknown)]

Filter: http Expression... Clear Apply Save

No.	Time	Source	Destination	Protocol	Length	Info
4	0.000386	172.16.1.41	172.16.20.1	HTTP	470	GET / HTTP/1.1
8	0.001039	172.16.20.1	172.16.1.41	HTTP	202	HTTP/1.1 200 OK (text/html)
19	0.086336	172.16.1.42	172.16.20.1	HTTP	450	GET /header.gif HTTP/1.1
21	0.086341	172.16.1.41	172.16.20.1	HTTP	448	GET /left.gif HTTP/1.1
27	0.086753	172.16.1.42	172.16.20.1	HTTP	449	GET /right.gif HTTP/1.1
34	0.087128	172.16.1.41	172.16.20.1	HTTP	450	GET /footer.jpg HTTP/1.1
48	0.087796	172.16.20.1	172.16.1.41	HTTP	1382	HTTP/1.1 200 OK (JPEG JFIF image)
59	0.088076	172.16.20.1	172.16.1.42	HTTP	821	HTTP/1.1 200 OK (GIF89a)
69	0.088603	172.16.20.1	172.16.1.41	HTTP	569	HTTP/1.1 200 OK (GIF89a)
80	0.088932	172.16.20.1	172.16.1.42	HTTP	250	HTTP/1.1 200 OK (GIF89a)
96	0.277993	172.16.1.41	172.16.20.1	HTTP	421	GET /favicon.ico HTTP/1.1
98	0.278582	172.16.20.1	172.16.1.41	HTTP	350	HTTP/1.1 200 OK
107	4.106071	172.16.1.42	172.16.20.1	HTTP	479	GET /login.php HTTP/1.1
109	4.106695	172.16.20.1	172.16.1.42	HTTP	365	HTTP/1.1 200 OK (text/html)
118	9.088665	172.16.1.41	172.16.20.1	HTTP	516	GET /env.cgi HTTP/1.1
120	9.090787	172.16.20.1	172.16.1.41	HTTP	728	HTTP/1.1 200 OK (text/html)

Frame 4: 470 bytes on wire (3760 bits), 470 bytes captured (3760 bits) on interface 0

- Ethernet II, Src: Vmware\_4a:03:12 (00:50:56:4a:03:12), Dst: Vmware\_01:09:12 (00:50:56:01:09:12)
- Internet Protocol Version 4, Src: 172.16.1.41 (172.16.1.41), Dst: 172.16.20.1 (172.16.20.1)
- Transmission Control Protocol, Src Port: 63461 (63461), Dst Port: http (80), Seq: 1, Ack: 1, Len: 384
- Hypertext Transfer Protocol

```

0000  00 50 56 01 09 12 00 50 56 4a 03 12 08 00 45 00  .PV...P VJ...E.
0010  01 b4 4a c0 40 00 ff 06 c2 38 ac 10 01 29 ac 10  ..J.@... .8...).
0020  14 01 f7 e5 00 50 f0 46 61 f0 ab e7 60 e2 80 18  ....P.F a...`...
0030  11 1c 37 ac 00 00 01 01 08 0a 8f 91 9c 64 11 c2  ..7..... ..d..
0040  4a e8 47 45 54 20 2f 20 48 54 54 50 2f 31 2e 31  J.GET / HTTP/1.1
0050  0d 0a 48 6f 73 74 3a 20 31 30 2e 31 30 2e 31 2e  ..Host: 10.10.1.
0060  31 30 31 0d 0a 43 6f 6e 6e 65 63 74 69 6f 6e 3a  101..Con nection:

```

File: ... Packets: 125 Displayed: 16 Marked: 0 Load time: 0:00.003



-- Exhibit --

Refer to the exhibits.

A virtual server has been configured for SSL offload on a single-arm network. On average, the virtual server will be handling 100,000 connections, with a peak of 130,000 connections. Between the virtual server and the web servers there is a single reverse proxy to provide site caching. The proxy is configured to perform source IP persistence before contacting the web servers. The site is logging users out immediately after logging them in.

What should the LTM Specialist do to resolve this issue?

**Options:**

---

- A-** Add a source address persistence profile to the virtual server.
- B-** Create an iRule to add client IP persistence to a SNAT pool member.
- C-** Change the virtual server server-side TCP profile to tcp-lan-optimized.
- D-** Configure the virtual server HTTP profile to insert an X-Forwarded-For header.

**Answer:**

---

B

## Question 3

---

**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
}
```





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

### Answer:

---

C

## 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
}
```

```
ltm pool member_pool {
  members {
    memberA:http {
      address 192.168.30.10
      monitor memberA_mon
      session monitor-enabled
      state down
    }
    memberB:http {
      address 192.168.30.20
      monitor memberB_mon
      session monitor-enabled
      state down
    }
    memberC:http {
      address 192.168.30.30
      monitor memberC_mon
      session monitor-enabled
      state down
    }
  }
}
```

-- Exhibit --

Refer to the exhibits.

How should the LTM Specialist minimize the configuration?

**Options:**

---



- A- Remove the pool member level monitors.
- B- The configuration is as minimized as possible.
- C- Create a single monitor and apply it to each pool member.
- D- Create a single monitor, apply it to the pool, and remove the pool member level monitors.

**Answer:**

---

D

## Question 5

---

**Question Type:** MultipleChoice

---

-- Exhibit --

Virtual Server	Destination	Service Port	Default Pool
intranet_it	10.1.1.10	8080	web_it
intranet_hr	10.1.1.10	443	web_hr
intranet_sales	10.1.1.10	8081	web_sales
intranet_finance	10.1.1.10	8083	web_finance
intranet_engineering	10.1.1.10	8085	web_engineering

Pool	Monitor	Pool Members
web_it	http_it	10.2.2.102, 10.2.2.105
web_hr	https_hr	10.2.2.101, 10.2.2.102
web_sales	http_sales	10.2.2.101, 10.2.2.102
web_finance	http_finance	10.2.2.101, 10.2.2.102
web_engineering	http_engineering	10.2.2.102, 10.2.2.105

-- Exhibit --

Refer to the exhibits.

Every monitor has the same Send String, Recv String, and an Alias of \*.\*. The LTM Specialist simplifies the configuration to minimize the number of monitors.

How many unique monitors remain?

**Options:**

---

A- 1

B- 2

C- 3

D- 4

E- 5

**Answer:**

---

B

## Question 6

---

**Question Type:** MultipleChoice

---

-- Exhibit --

```
ltm pool /Common/my_admin_pool {
  members {
    /Common/10.0.0.1:80 {
      address 10.0.0.1
    }
    /Common/10.0.0.2:80 {
      address 10.0.0.2
    }
  }
}
ltm pool /Common/my_default_pool {
  members {
    /Common/10.0.0.4:80 {
      address 10.0.0.4
    }
    /Common/10.0.0.5:80 {
      address 10.0.0.5
    }
  }
}

ltm virtual /Common/my_virtual_server {
  destination /Common/10.0.0.1:80
  ip-protocol tcp
  mask 255.255.255.255
  pool /Common/my_default_pool
  profiles {
    /Common/http { }
    /Common/tcp { }
  }
  rules {
    /Common/my_iRule
  }
  snat automap
}

sys ha-group my_ha_group {
  active-bonus 10
  pools {
    /Common/my_default_pool {
      threshold 2
      weight 20
    }
  }
  trunks {
    my_trunk {
      threshold 1
    }
  }
}
```

-- Exhibit --

Refer to the exhibit.

A pair of LTM devices is configured for HA .

What happens if the pool member server with IP address 10.0.0.4 becomes totally unresponsive to the active LTM device, but is still responsive to the standby LTM device?

**Options:**

---

- A-** The HA-group will disable the trunk my\_trunk.
- B-** The HTTP application will be unavailable via the LTM device.
- C-** The HA-group will initiate a fail-over because the threshold is set to 2.
- D-** The HA-group will initiate a fail-over because the HA-Group score will be zero.

**Answer:**

---

C

## Question 7

---

**Question Type:** MultipleChoice

---

-- Exhibit --

```
ltm node /Common/192.168.44.1 {
    address 192.168.44.1
}
ltm node /Common/192.168.44.2 {
    address 192.168.44.2
}
ltm pool /Common/bigip1_gw_pool {
    gateway-failsafe-device /Common/BIGIP1.example.com
    members {
        /Common/192.168.44.1:0 {
            address 192.168.44.1
        }
    }
    min-up-members 1
    min-up-members-checking enabled
    monitor /Common/icmp_gw_monitor
}
ltm pool /Common/bigip2_gw_pool {
    gateway-failsafe-device /Common/BIGIP2.example.com
    members {
        /Common/192.168.44.2:0 {
            address 192.168.44.2
        }
    }
    min-up-members 1
    min-up-members-checking enabled
    monitor /Common/icmp_gw_monitor
}
ltm monitor gateway-icmp /Common/icmp_gw_monitor {
    defaults-from /Common/gateway_icmp
    destination 1.2.2.254:*
    interval 5
    time-until-up 0
    timeout 16
}
net route /Common/external_default_gateway {
    gw 192.168.44.1
    network default
}
```



-- Exhibit --

Refer to the exhibit.

A pair of LTM devices are deployed in a high-availability (HA) pair as the diagram shows. After inserting a new rule on the firewalls, the LTM devices become Standby. The rule drops all outbound sessions to the Internet. Only inbound connections are allowed from the Internet. There are no other changes to the environment.

What triggered the LTM device failover?

**Options:**

---

**A-** HA Group

**B-** Auto Failback

**C-** VLAN Failsafe

**D-** Gateway Failsafe

**Answer:**

---

D

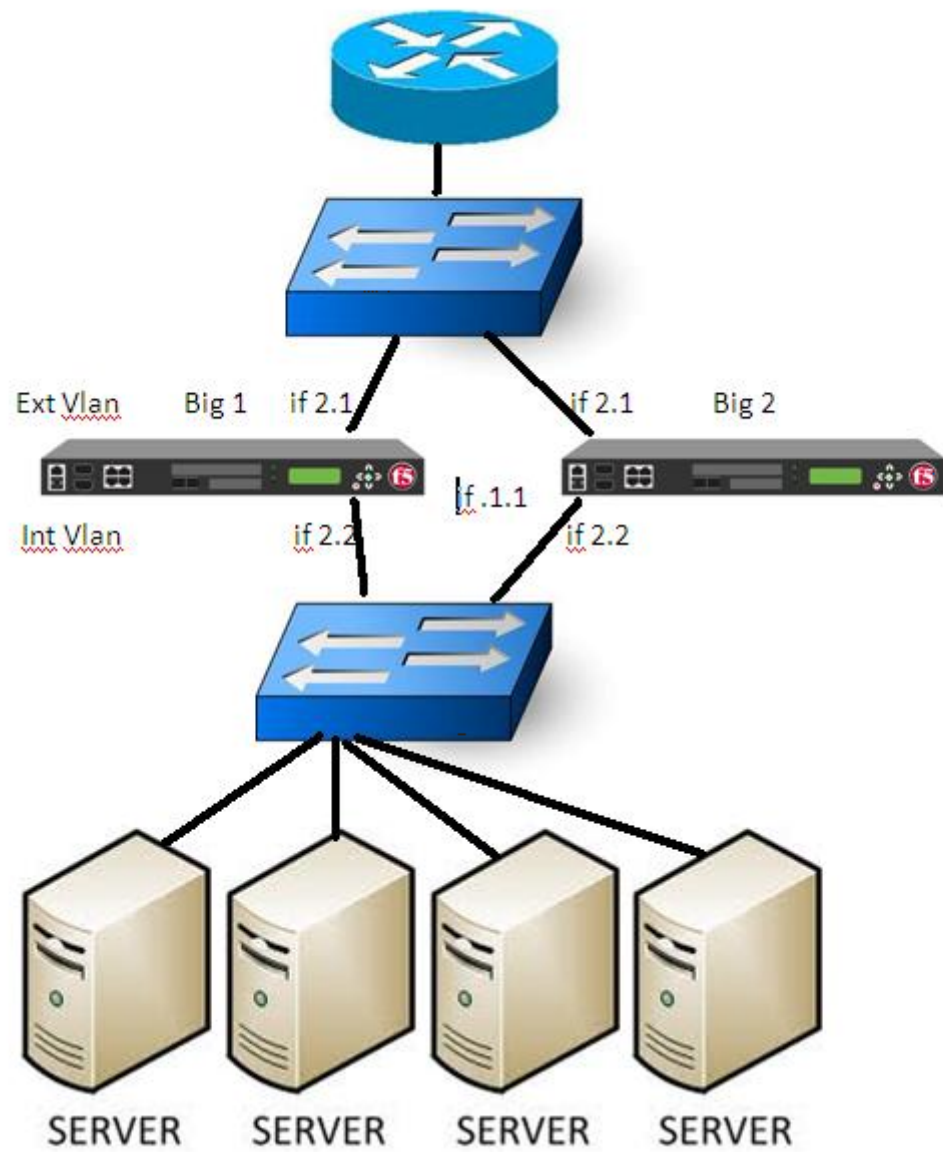
## Question 8

---

**Question Type: MultipleChoice**

---

-- Exhibit --



-- Exhibit --

Refer to the exhibit.

A failover has just occurred on BIG-IP1. BIG-IP2 is now active and manages traffic as expected. Both Bigip's are set with a gateway failsafe to check the reachability of the main border router. Switches have performed as expected.

Where should the LTM Specialist check for potential issues?

**Options:**

---

- A- Network Interface 2.1 of BIG-IP 2
- B- Network Interface 2.1 of BIG-IP 1
- C- Network Interface 2.2 of BIG-IP 2
- D- Network Interface 2.2 of BIG-IP 1
- E- Network Interface 1.1 of BIG-IP 1
- F- Network Interface 1.1 of BIG-IP 2

**Answer:**

---

B

## Question 9

Question Type: MultipleChoice

-- Exhibit --

```
-----  
Net::Interface  
Name Status      Mac-Addr  MTU  Bits  Bits  Pkts  Pkts  Mcast  Mcast  Drops  Drops  Errs  Errs  Colli  Media  Flo  
      In  Out      In  Out  In  Out  In  Out  In  Out  In  Out  sions  Media  Ctr  
-----  
1.1    up    0:1:d7:a8:4d:c4 1500 275.3G 43.1G 62.7M 30.8M 7.3M 246 223.9M 0 0 0 0 1000T-FD tx-r  
1.2    down  0:1:d7:a8:4d:c5 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
1.3    down  0:1:d7:a8:4d:c6 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
1.4    down  0:1:d7:a8:4d:c7 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
1.5    down  0:1:d7:a8:4d:c8 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
1.6    down  0:1:d7:a8:4d:c9 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
1.7    down  0:1:d7:a8:4d:ca 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
1.8    down  0:1:d7:a8:4d:cb 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
2.1    miss  0:1:d7:a8:4d:cc 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
2.2    miss  0:1:d7:a8:4d:cd 1500 0 0 0 0 0 0 0 0 0 0 0 none tx-r  
mgmt   up    0:1:d7:a8:4d:c1 1500 76.6G 138.1G 113.8M 22.5M 6.4M 123 0 0 2.2M 0 2.2M 100TX-HD non
```

-- Exhibit --

Refer to the exhibit.

Based on the output of the tmsh interface show command, what is the issue?

Options:

- A- There is a duplex mismatch on the management interface.
- B- Interfaces 2.1 and 2.2 are defective and need replacement.
- C- Flow Control is NOT configured on the management interface.
- D- There are too many drops on inbound traffic on interface 1.1.

**Answer:**

---

A

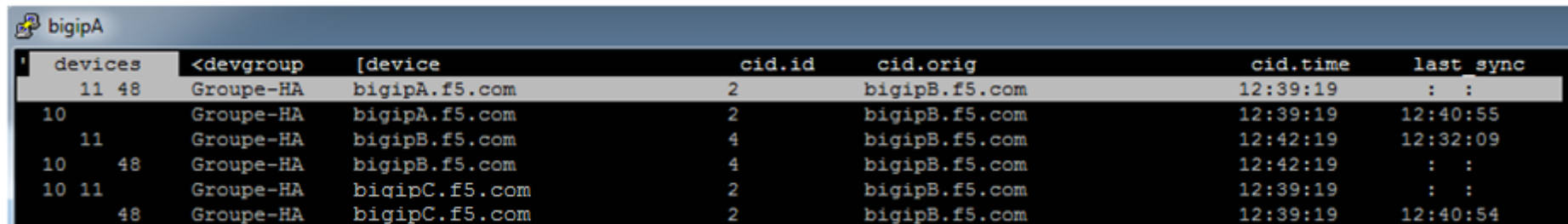
## Question 10

---

**Question Type:** MultipleChoice

---

-- Exhibit --



```
bigipA
```

devices	<devgroup	[device	cid.id	cid.orig	cid.time	last sync
11 48	Groupe-HA	bigipA.f5.com	2	bigipB.f5.com	12:39:19	: :
10	Groupe-HA	bigipA.f5.com	2	bigipB.f5.com	12:39:19	12:40:55
11	Groupe-HA	bigipB.f5.com	4	bigipB.f5.com	12:42:19	12:32:09
10 48	Groupe-HA	bigipB.f5.com	4	bigipB.f5.com	12:42:19	: :
10 11	Groupe-HA	bigipC.f5.com	2	bigipB.f5.com	12:39:19	: :
48	Groupe-HA	bigipC.f5.com	2	bigipB.f5.com	12:39:19	12:40:54

-- Exhibit --

Refer to the exhibit.

An LTM Specialist is troubleshooting a sync-failover group of three BIG-IP LTM devices. The command used is "tmsh run cm watch-devicegroup-device."

What does the output mean?

**Options:**

---

- A-** Configuration is synchronized between all the devices.
- B-** Configuration is not synchronized. Some modifications have been done on bigipA.
- C-** Configuration is not synchronized. Some modifications have been done on bigipB.
- D-** Configuration is not synchronized. Some modifications have been done on bigipC.

**Answer:**

---

C

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