



**Free Questions for 301b by certscare**

**Shared by Lee on 24-05-2024**

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# Question 1

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## Question Type: MultipleChoice

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A failover event is recorded in the log messages:

Jan 01 00:00:50 BIG-IP notice sod[5855]: 01140029:5: HA proc\_running tmm fails action is go offline and down links.

Jan 01 00:00:50 BIG-IP notice sod[5855]: 010c0050:5: Sod requests links down.

Jan 01 00:00:50 BIG-IP notice sod[5855]: 010c0054:5: Offline for traffic group /Common/traffic-group-1.

Jan 01 00:00:50 BIG-IP notice sod[5855]: 010c003e:5: Offline

Jan 01 00:00:50 BIG-IP notice logger: /usr/bin/tmipsecd --tmmcount 4 ==> /usr/bin/bigstart stop racoon

Jan 01 00:00:50 BIG-IP info lacpd[5502]: 01160016:6: Failover event detected. (Switchboard failsafe disabled while offline)

Jan 01 00:00:51 BIG-IP err bcm56xxd[5296]: 012c0010:3: Failover event detected. Marking external interfaces down. bsx.c(3633)

Jan 01 00:00:51 BIG-IP info bcm56xxd[5296]: 012c0015:6: Link: 1.1 is DOWN

Jan 01 00:00:56 BIG-IP notice mcpd[5318]: 0107143c:5: Connection to CMI peer 10.0.0.3 has been removed

Jan 01 00:00:56 BIG-IP notice mcpd[5318]: 0107143a:5: CMI reconnect timer: enabled

Jan 01 00:00:56 BIG-IP notice mcpd[5318]: 01071431:5: Attempting to connect to CMI peer 10.0.0.3 port 6699

What is the cause of the failover?

**Options:**

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- A- TMM failed, and VLAN fail-safe initiated the failover.
- B- TMM failed, and system fail-safe initiated the failover.
- C- Loss of connection to CMI peer 10.0.0.3 initiated the failover.
- D- A switchboard failure caused system fail-safe to initiate the failover.

**Answer:**

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B

## Question 2

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**Question Type: MultipleChoice**

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While investigating the cause of a device failover, an LTM Specialist discovers the following events in /var/log/lrm:

01010029:5: Clock advanced by 518 ticks

01010029:5: Clock advanced by 505 ticks

01010029:5: Clock advanced by 590 ticks

01010029:5: Clock advanced by 568 ticks

01010029:5: Clock advanced by 1681 ticks

01010029:5: Clock advanced by 6584 ticks

01140029:5: HA daemon\_heartbeat tmm fails action is failover and restart.

010c0026:5: Failover condition, active attempting to go standby.

Which issue caused the failover?

### Options:

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- A- NTP being out of sync
- B- TMM being descheduled
- C- VLAN Fail-safe heartbeats
- D- HA missing heartbeat packets

### Answer:

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B

## Question 3

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**Question Type:** MultipleChoice

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A high-availability (HA) pair configuration uses only the hardwire serial cable connection to determine device state. A power outage occurs to the PDU powering the active unit. The standby unit takes over the active role as expected.

How is the peer unit able to determine the active unit is unavailable?

**Options:**

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- A- voltage loss on serial cable
- B- no data stream received on serial port
- C- no response on management interface
- D- no heartbeat packets received on self IPs

**Answer:**

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A

## Question 4

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**Question Type: MultipleChoice**

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In preparation for a maintenance task, an LTM Specialist performs a "Force to Standby" on LTM device Unit 1. LTM device Unit 2 becomes active as expected. The maintenance task requires the reboot of Unit 1. Shortly after the reboot is complete, the LTM Specialist discovers that Unit 1 has become active and Unit 2 has returned to standby.

What would cause this behavior?

**Options:**

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- A- Unit 1 is set with the redundancy state preference of active in devices groups.
- B- Unit 1 is set with the redundancy state preference of active in high availability.
- C- A traffic group is configured with Auto Failback, and Unit 1 is the default device.
- D- A device group is configured with Auto Failback, and Unit 1 is the default device.

**Answer:**

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C

## Question 5

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**Question Type: MultipleChoice**

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Given LTM device ltm log:

Sep 26 20:51:08 local/lb-d-1 notice promptstatusd[3695]: 01460006:5: semaphore mcpd.running(1) held

Sep 26 20:51:08 local/lb-d-1 notice promptstatusd[3695]: 01460006:5:

Sep 26 20:51:08 local/lb-d-1 warning promptstatusd[3695]: 01460005:4: mcpd.running(1) held, wait for mcpd

Sep 26 20:51:08 local/lb-d-1 info sod[3925]: 010c0009:6: Lost connection to mcpd - reestablishing.

Sep 26 20:51:08 local/lb-d-1 err bcm56xxd[3847]: 012c0004:3: Lost connection with MCP: 16908291 ... Exiting bsx\_connect.cpp(174)

Sep 26 20:51:08 local/lb-d-1 info bcm56xxd[3847]: 012c0012:6: MCP Exit Status

Sep 26 20:51:08 local/lb-d-1 info bcm56xxd[3847]: 012c0012:6: Info: LACP stats (time now:1348717868) : no traffic

Sep 26 20:51:08 local/lb-d-1 info bcm56xxd[3847]: 012c0014:6: Exiting...

Sep 26 20:51:08 local/lb-d-1 err lind[3842]: 013c0004:3: IO error on recv from mcpd - connection lost

Sep 26 20:51:08 local/lb-d-1 notice bigd[3837]: 01060110:5: Lost connection to mcpd with error 16908291, will reinit connection.

Sep 26 20:51:08 local/lb-d-1 err statsd[3857]: 011b0004:3: Initial subscription for system configuration failed with error "

Sep 26 20:51:08 local/lb-d-1 err statsd[3857]: 011b0001:3: Connection to mcpd failed with error '011b0004:3: Initial subscription for system configuration failed with error "'

Sep 26 20:51:08 local/lb-d-1 err csyncd[3851]: 013b0004:3: IO error on recv from mcpd - connection lost

.....skipping more logs.....

Sep 26 20:51:30 local/lb-d-1 notice sod[3925]: 01140030:5: HA proc\_running bcm56xxd is now responding.

Sep 26 20:51:34 local/lb-d-1 notice sod[3925]: 01140030:5: HA proc\_running mcpd is now responding.

Sep 26 20:51:34 local/lb-d-1 notice sod[3925]: 010c0018:5: Standby

Which daemon failed?

### Options:

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A- promptstatusd

B- mcpd

C- sod

D- bcm56xxd

E- lind

### Answer:

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B

## Question 6

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**Question Type: MultipleChoice**

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An active/standby pair of LTM devices deployed with network failover are working as desired. After external personnel perform maintenance on the network, the LTM devices are active/active rather than active/standby. No changes were made on the LTM devices during the network maintenance.

Which two actions would help determine the cause of the malfunction? (Choose two.)

**Options:**

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- A- checking that the configurations are synchronized
- B- checking the configuration of the VLAN used for failover
- C- checking the configuration of the VLAN used for mirroring
- D- checking the open ports in firewalls between the LTM devices
- E- checking synchronization of system clocks among the network devices

**Answer:**

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B, D

**Question 7**

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**Question Type: MultipleChoice**

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The active LTM device in a high-availability (HA) pair performs a failover at the same time the network team reports an outage of a switch on the network.

Which two items could have caused the failover event? (Choose two.)

**Options:**

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- A- a VLAN fail-safe setting
- B- a monitor on a pool in an HA group
- C- the standby LTM that was rebooted
- D- an Auditor role that has access to the GUI
- E- the standby LTM that lost connectivity on the failover VLAN

**Answer:**

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A, B

## Question 8

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**Question Type: MultipleChoice**

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An LTM Specialist connects to an LTM device via the serial console cable and receives unreadable output. The LTM Specialist is using the appropriate cable and connecting it to the correct serial port.

Which command should the LTM Specialist run through ssh to verify that the baud rate settings for the serial port are correct on the LTM device?

**Options:**

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- A- tmsh list /sys console
- B- tmsh edit /sys console
- C- tmsh show /sys console
- D- tmsh show /ltm console

**Answer:**

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C

## Question 9

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**Question Type:** MultipleChoice

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Which command should the LTM Specialist use to determine the current system time?

**Options:**

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A- date

B- time

C- uname -a

D- ntpq -p

**Answer:**

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A

## Question 10

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**Question Type: MultipleChoice**

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Given the log entry:

011f0005:3: HTTP header (32800) exceeded maximum allowed size of 32768 (Client sidE. vip=/Common/VS\_web profile=http pool=/Common/POOL\_web client\_ip=10.0.0.1)

Which HTTP profile setting can be modified temporarily to resolve the issue?

**Options:**

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- A- Increase Maximum Requests
- B- Decrease Maximum Requests
- C- Increase Maximum Header Count
- D- Decrease Maximum Header Count
- E- Increase Maximum Header size
- F- Decrease Maximum Header size

**Answer:**

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E

## Question 11

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**Question Type:** MultipleChoice

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An LTM Specialist notices the following error on the stdout console:

mcpd[2395]: 01070608:0: License is not operational(expired or digital signature does not match contents)

Which command should be executed to verify the LTM device license?

**Options:**

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- A- bigpipe version
- B- tmsh show /sys license
- C- tmsh /util bigpipe version
- D- tmsh show /sys license status

**Answer:**

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B

## Question 12

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**Question Type: MultipleChoice**

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An F5 LTM Specialist needs to perform an LTM device configuration backup prior to RMA swap.

Which command should be executed on the command line interface to create a backup?

### Options:

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- A- bigpipe config save /var/tmp/backup.ucs
- B- tmsh save /sys ucs /var/tmp/backup.ucs
- C- tmsh save /sys config /var/tmp/backup.ucs
- D- tmsh save /sys config ucs /var/tmp/backup.ucs

### Answer:

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B

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