301B Q&As

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

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QUESTION 1

An LTM Specialist sees these entries in /var/log/ltm:

Oct 25 03:34:31 tmm warning tmm[7150]: 01260017:4: Connection attempt to insecure SSL server (see RFC5746) aborteD. 172.16.20.1:443 Oct 25 03:34:32 tmm warning tmm[7150]: 01260017:4: Connection attempt to insecure SSL server (see RFC5746) aborteD. 172.16.20.1:443 Oct 25 03:34:32 tmm warning tmm[7150]: 01260017:4: Connection attempt to insecure SSL server (see RFC5746) aborteD. 172.16.20.1:443 Oct 25 03:34:32 tmm warning tmm[7150]: 01260017:4: Connection attempt to insecure SSL server (see RFC5746) aborteD. 172.16.20.1:443 Oct 25 03:34:32 tmm warning tmm[7150]: 01260017:4: Connection attempt to insecure SSL server (see RFC5746) aborteD. 172.16.20.1:443 Oct 25 03:34:33 tmm warning tmm[7150]: 01260017:4: Connection attempt to insecure SSL server (see RFC5746) aborteD. 172.16.20.1:443

Assume 172.16.20.0/24 is attached to the VLAN "internal."

What should the LTM Specialist use to troubleshoot this issue?

A. curl -d - -k https://172.16.20.1

B. ssldump -i internal host 172.16.20.1

C. tcpdump -i internal host 172.16.20.1 > /shared/ssl.pcap ssldump

D. tcpdump -s 64 -i internal -w /shared/ssl.pcap host 172.16.20.1 ssldump -r /shared/ssl.pcap

Correct Answer: B

QUESTION 2

-- Exhibit -

```
New TCP connection #3: 172.16.1.20(49379) <-> 172.16.20.1(443)
3 1  0.0006 (0.0006)  C>S  Handshake
      ClientHello
        Version 3.1
        cipher suites
        TLS_RSA_WITH_RC4_128_SHA
        TLS_RSA_WITH_AES_128_CBC_SHA
        TLS_RSA_WITH_AES_256_CBC_SHA
        TLS_RSA_WITH_3DES_EDE_CBC_SHA
        Unknown value 0x3c
        Unknown value 0x3d
        Unknown value 0xff
        compression methods
                  NULL
3 2  0.0009 (0.0002)  S>C  Handshake
      ServerHello
        Version 3.1
        session_id[32]=
          ed 15 16 5f c2 9d bf 5e e6 70 0e a4 86 59 bf 27
          e7 b5 fa 49 38 fd 24 d7 c3 1e c1 9f d2 67 e4 f7
        cipherSuite         TLS_RSA_WITH_RC4_128_SHA
        compressionMethod                   NULL
3 3  0.0009 (0.0000)  S>C  Handshake
      Certificate
3 4  0.0009 (0.0000)  S>C  Handshake
      ServerHelloDone
New TCP connection #4: 172.16.1.20(49380) <-> 172.16.20.1(443)
4 1  0.0004 (0.0004)  C>S  Handshake
      ClientHello
        Version 3.1
        cipher suites
        TLS_RSA_WITH_RC4_128_SHA
        TLS_RSA_WITH_AES_128_CBC_SHA
        TLS_RSA_WITH_AES_256_CBC_SHA
        TLS_RSA_WITH_3DES_EDE_CBC_SHA
        Unknown value 0x3c
        Unknown value 0x3d
        Unknown value 0xff
        compression methods
                  NULL
4 2  0.0007 (0.0002)  S>C  Handshake
      ServerHello
        Version 3.1
        session_id[32]=
          f5 eb fe e9 8e fc e9 7f c5 13 1b 40 69 15 08 72
          95 ef 43 e5 4e 10 f4 3b b2 3e 5c ec 5e ee 66 a8
        cipherSuite         TLS_RSA_WITH_RC4_128_SHA
        compressionMethod                   NULL
4 3  0.0007 (0.0000)  S>C  Handshake
      Certificate
4 4  0.0007 (0.0000)  S>C  Handshake
      ServerHelloDone
3    0.0015 (0.0006)  C>S  TCP RST
4    0.0010 (0.0003)  C>S  TCP RST
```

-- 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 must determine the cause of the problem. The LTM

Specialist has the tcpdump extract. The client loses connection with the LTM device. Where is the reset originating?

A. the local switch

B. the application server

C. the device initiating the connection D. the destination device of the initial connection

Correct Answer: C

QUESTION 3

-- Exhibit

```
ltm monitor http http_head {
    defaults-from http
    destination *:*
    interval 5
    recv <html>
    send "HEAD / HTTP/1.0\\r\\n\\r\\n"
    time-until-up 0
    timeout 16
}
ltm pool srv1_http_pool {
    members {
        192.168.2.1:http {
            address 192.168.2.1
            session monitor-enabled
            state down
        }
    }
    monitor http_head
}


TCPDUMP Output:


HEAD / HTTP/1.0

HTTP/1.1 200 OK
Date: Wed, 24 Oct 2012 18:45:53 GMT
Server: Apache/2.2.22 (FreeBSD) PHP/5.4.4 mod_ssl/2.2.22 OpenSSL/0.9.8q DAV/2
X-Powered-By: PHP/5.4.4
Connection: close
Content-Type: text/html
```

-- Exhibit -

Refer to the exhibit.

An LTM Specialist is troubleshooting a new HTTP monitor on a pool. The pool member is functioning correctly when accessed directly through a browser. However, the monitor is marking the member as down. The LTM Specialist captures

the monitor traffic via tcpdump.

What is the issue?

A. The server is marking the connection as closed.

B. The pool member is rejecting the monitor request.

C. The monitor request is NOT returning the page body.

D. The \\'time-until-up\\' setting on the monitor is incorrect.

Correct Answer: C

QUESTION 4

-- 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
            weight 20
        }
    }
}
```

-- 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?

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.

Correct Answer: C

QUESTION 5

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?

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

Correct Answer: B