301B^{Q&As}

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

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QUESTION 1

A customer needs to intercept all of the redirects its application is sending to clients. When a redirect is matched, the customer needs to log a message including the client IP address.

Which iRule should be used?

A. when HTTP_RESPONSE { if { [HTTP::is_3xx] } { log local0. "redirecting client ip address [IP::addr [IP::remote_addr]]"

 }

}

B. when HTTP_REQUEST { if { [HTTP::is_301] } { log local0. "redirecting client ip address [IP::addr [IP::remote_addr]]"

 }

}

C. when HTTP_REQUEST { if { [HTTP::is_redirect] } { log local0. "redirecting client ip address [IP::addr [IP::remote_addr]]"

 }

}

D. when HTTP_RESPONSE { if { [HTTP::is_redirect] } { log local0. "redirecting client ip address [IP::addr [IP::remote_addr]]"

 }

}

Correct Answer: D

QUESTION 2

A virtual server for a set of web services is constructed on an LTM device. The LTM Specialist has created an iRule and applied this iRule to the virtual server:

when HTTP_REQUEST { switch [HTTP::uri] {

 "/ws1/ws.jsp" {

 log local0. "[HTTP::uri]-Redirected to JSP Pool"

 pool JSP

 }

 default { log local0. "[HTTP::uri]-Redirected to Non-JSP Pool" pool NonJSP

} } } However, the iRule is NOT behaving as expected. Below is a snapshot of the log: /WS1/ws.jsp-Redirected to JSP Pool /WS1/ws.jsp-Redirected to JSP Pool /WS1/ws.jsp-Redirected to JSP Pool /WS1/WS.jsp-Redirected to Non-JSP Pool /ws1/WS.jsp-Redirected to Non-JSP Pool /WS1/ws.jsp-Redirected to JSP Pool /ws1/ws.jsp-Redirected to Non-JSP Pool

What should the LTM Specialist do to resolve this?

A. Use the followinG. switch -lc [HTTP::uri]

B. Use the followinG. switch [string tolower [HTTP::uri]]

C. Set the "Case Sensitivity" option of each member to "None".

D. Select the "Process Case-Insensitivity" option for the virtual server.

Correct Answer: B

QUESTION 3

-- Exhibit

```
GET / HTTP/1.1
Host: www.example.com
User-Agent: Mozilla/5.0 (Windows NT 6.1; rv:16.0) Gecko/20100101 Firefox/16.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
DNT: 1
Connection: keep-alive


HTTP/1.1 302 Moved Temporarily
Content-Length: 0
Location: https://www.example.com
Date: Tue, 23 Oct 2012 18:05:57 GMT
Server: Apache/2.2.22 (FreeBSD) PHP/5.4.4 mod_ssl/2.2.22 OpenSSL/0.9.8q DAV/2
Accept-Ranges: bytes
Connection: Keep-Alive
Content-Type: text/html
Set-Cookie: sessionid=a4531785-7012-46aa-b5fe-a54be482b61a; path=/
```

-- Exhibit -Refer to the exhibit.

An LTM Specialist is performing an HTTP trace on the client side of the LTM device and notices there are many undesired headers being sent by the server in the response. The LTM Specialist wants to remove all response headers except

"Set-Cookie" and "Location."

How should the LTM Specialist modify the HTTP profile to remove undesired headers from the HTTP response?

A. Enter the desired header names in the \'Request Header Insert\' field.

B. Enter the undesired header names in the \'Request Header Erase\' field.

C. Enter the undesired header names in the \'Response Header Erase\' field.

D. Enter the desired header names in the \'Response Headers Allowed\' field.

Correct Answer: D

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

```
Oct 25 09:24:04 bigip1 notice syslog-ng[2983]: syslog-ng starting up; version=\'2.0.8\'
Oct 25 09:24:36 bigip1 notice audispd: audispd initialized with q_depth=80 and 1 active plugins
Oct 25 09:24:38 bigip1 notice syslog-ng[2983]: Configuration reload request received, reloading configuration;
Oct 25 09:25:55 bigip1 notice syslog-ng[2983]: Configuration reload request received, reloading configuration;
Oct 25 09:35:44 bigip1 notice shutdown[8888]: Thu Oct 25 09:35:44 2012 : shutting down for system reboot on behalf of root
2012-10-25T09:37:17-07:00 bigip1 notice boot_marker : ---===[ HD1.4 - BIG-IP 11.2.0 Build 2557.0 ]===---
Oct 25 09:37:19 bigip1 notice syslog-ng[2970]: syslog-ng starting up; version=\'2.0.8\'
Oct 25 09:37:51 bigip1 notice audispd: audispd initialized with q_depth=80 and 1 active plugins
Oct 25 09:37:53 bigip1 notice syslog-ng[2970]: Configuration reload request received, reloading configuration;
Oct 25 09:39:02 bigip1 notice syslog-ng[2970]: Configuration reload request received, reloading configuration;
```

```
Oct 25 09:29:05 tmm1 err tmm1[7355]: 01010028:3: No members available for pool /Common/http_pool
Oct 25 09:29:05 tmm1 err tmm1[7355]: 01010028:3: No members available for pool /Common/https_pool
Oct 25 09:29:05 tmm1 err tmm1[7355]: 01010028:3: No members available for pool /Common/ssh_pool
Oct 25 09:35:44 bigip1 notice overdog[4791]: 01140104:5: Watchdog touch disabled.
Oct 25 09:35:44 bigip1 info overdog[4791]: 01140101:6: Overdog daemon shutdown.
Oct 25 09:35:44 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id %promptstatusd
Oct 25 09:35:44 bigip1 info promptstatusd[4790]: 01460007:6: Resuming log processing at this invocation; held 1 messages.
Oct 25 09:35:45 bigip1 notice logger: /bin/bash /etc/rc6.d/K03bigstart stop ==> /usr/bin/bigstart stop
Oct 25 09:35:46 bigip1 notice alertd[5636]: 01100043:5: logcheck Notice: Disconnect mcpd 0
Oct 25 09:35:46 bigip1 warning alertd[5636]: 01100002:4: alertd is going down.
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id csyncd
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id cluster_file_operations
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id BIGD_Subscriber
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id eventd
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id %LACPD
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id lind
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id %istatsd
Oct 25 09:35:47 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id logstatd
Oct 25 09:35:48 bigip1 info mcpd[5206]: 01070410:6: Per-invocation log rate exceeded; throttling.
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id cbrd
Oct 25 09:35:48 bigip1 notice scriptd[5641]: 014f0002:5: exiting
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id shell_publish
Oct 25 09:35:48 bigip1 info mcpd[5206]: 01070406:6: Per-invocation log rate exceeded; throttling.
Oct 25 09:35:48 bigip1 err mcpd[5206]: 01070069:3: Subscription not found in mcpd for subscriber Id stpd4860-0.
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id stpd4860-0
Oct 25 09:35:48 bigip1 notice sod[5970]: 010c0050:5: Sod requests links down.
Oct 25 09:35:48 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id ha_table_publish
Oct 25 09:35:48 tmm crit tmm[7354]: 01010019:2: Caught signal 15, exiting
Oct 25 09:35:48 tmm1 crit tmm1[7355]: 01010019:2: Caught signal 15, exiting
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Received signal: SIGTERM (15)
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: 4.1 rx[OK 582 Bad 0] tx[OK 594 Bad 0]
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good rx at: 1351182947.482888
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good tx at: 1351182947.050705
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 rx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 tx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad rx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                    0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad tx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                    0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: 4.2 rx[OK 582 Bad 0] tx[OK 595 Bad 0]
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good rx at: 1351182947.482885
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last good tx at: 1351182947.050816
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 rx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last 64 tx hist: 0x0000000000000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad rx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                    0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: Last four bad tx at: 0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0012:6: :                    0.000000 0.000000
Oct 25 09:35:48 bigip1 info bcm56xxd[4863]: 012c0014:6: Exiting...
Oct 25 09:35:48 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus datastor
Oct 25 09:35:48 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus dedup_admin
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus tmrouted
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus dpid
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus wamd
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus websso
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart restart apd
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus acctd
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus eam
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus rba
Oct 25 09:35:49 bigip1 notice logger: /bin/sh ./finish 1 0  ==> /usr/bin/bigstart singlestatus logd
Oct 25 09:35:51 bigip1 info mcpd[5206]: 01070410:6: Resuming log processing at this invocation; held 6 messages.
Oct 25 09:35:51 bigip1 notice mcpd[5206]: 01070410:5: Removed subscription with subscriber id named
Oct 25 09:35:53 bigip1 info mcpd[5206]: 01070406:6: Resuming log processing at this invocation; held 5 messages.
Oct 25 09:35:53 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id BCM56xxPublisher
Oct 25 09:35:55 bigip1 notice mcpd[5206]: 01070007:5: Received shutdown signal 15.
Oct 25 09:35:55 bigip1 notice mcpd[5206]: 01070406:5: Removed publication with publisher id chmand_publisher
Oct 25 09:35:55 bigip1 info mcpd[5206]: 01070356:6: Resuming log processing at this invocation; held 3 messages.
Oct 25 09:35:58 bigip1 notice chmand[5451]: 012a0005:5: Stop chmand
2012-10-25T09:37:17-07:00 bigip1 notice boot_marker : ---===[ HD1.4 - BIG-IP 11.2.0 Build 2557.0 ]===---
Oct 25 09:37:22 bigip1 info mprov:3037:: Invoked as: /usr/bin/mprov.pl (pid=3037) --logicaldisk --boot --quiet
Oct 25 09:37:22 bigip1 info mprov:3037:: Checking for and completing any disk management transactions:
Oct 25 09:37:23 bigip1 info mprov:3044:: Invoked as: /usr/bin/mprov.pl (pid=3044) --diskmgmt --boot --quiet
```

-- Exhibit -Refer to the exhibits.

An LTM Specialist uses the information in the logs to determine the cause of a failover event in a high-availability (HA) pair.

What caused the failover?

A. The overdog process crashed.

B. The system was administratively rebooted.

C. The process bcm56xxd received SIGTERM from the watchdog process.

D. The configuration reload request caused the config to reload and the device to failover.

Correct Answer: B

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