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BIG-IP v10.x LTM Essentials V10.x

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**QUESTION 1**

Which three statements describe a characteristic of profiles? (Choose three.)

- A. Default profiles cannot be created or deleted.
- B. Custom profiles are always based on a parent profile.
- C. A profile can be a child of one profile and a parent of another.
- D. All changes to parent profiles are propagated to their child profiles.
- E. While most virtual servers have at least one profile associated with them, it is not required.

Correct Answer: ABC

QUESTION 2

How is persistence configured?

- A. Persistence is an option within each pool's definition.
- B. Persistence is a profile type; an appropriate profile is created and associated with virtual server.
- C. Persistence is a global setting; once enabled, load-balancing choices are super-ceded by the persistence method that is specified.
- D. Persistence is an option for each pool member. When a pool is defined, each member's definition includes the option for persistence.

Correct Answer: B

QUESTION 3

Which two statements describe differences between the active and standby systems? (Choose two.)

- A. Monitors are performed only by the active system.
- B. Fail-over triggers only cause changes on the active system.
- C. Virtual server addresses are hosted only by the active system.
- D. Configuration changes can only be made on the active system.
- E. Floating self-IP addresses are hosted only by the active system.

Correct Answer: CE



QUESTION 4

A virtual server is defined per the charts. The last five client connections were to members C, D, A, B, B. Given the conditions shown in the above graphic, if a client with IP address 205.12.45.52 opens a connection to the virtual server, which member will be used for the connection?

VS_Web_Pool Settings		Web_Pool Parameters	
Destination:	10.10.20.100:80	Load Balancing:	Least Connections
Profiles:	TCP, HTTP	Priority Group	
iRules:	None	Activation:	Less Than 2
Default Pool:	Web_Pool	Monitor:	Custom_HTTP
Persistence:	None		

Web_Pool Member Statistics and Settings					
Member	Member Ratio	Member Priority	Outstanding Requests	Current Connections	Status
A: 172.16.20.1:80	3	5	4	56	Unavailable
B: 172.16.20.2:80	3	4	4	42	Available
C: 172.16.20.3:80	3	5	4	54	Unavailable
D: 172.16.20.4:80	1	3	1	22	Available
E: 172.16.20.5:80	1	1	1	18	Available

- A. 172.16.20.1:80
- B. 172.16.20.2:80
- C. 172.16.20.3:80
- D. 172.16.20.4:80
- E. 172.16.20.5:80

Correct Answer: D

QUESTION 5

The ICMP monitor has been assigned to all nodes. In addition, all pools have been assigned custom monitors. If a pool is marked available (green) which situation is sufficient to cause this?

- A. All of the pool member nodes are responding to the ICMP monitor as expected.
- B. Less than 50% of the pool member nodes responded to the ICMP echo request.
- C. All of the members of the pool have had their content updated recently and their responses no longer match the monitor receive rule.
- D. Over 25% of the pool members have had their content updated and it no longer matches the receive rule of the custom monitor. The other respond as expected.



Correct Answer: D

QUESTION 6

What is the purpose of floating self-IP addresses?

- A. to define an address that grants administrative access to either system at any time
- B. to define an address that allows either system to initiate communication at any time
- C. to define an address that allows network devices to route traffic via a single IP address
- D. to define an address that gives network devices greater flexibility in choosing a path to forward traffic

Correct Answer: C

QUESTION 7

Which parameters are set to the same value when a pair of BIG-IP devices are synchronized?

- A. host names
- B. system clocks
- C. profile definitions
- D. VLAN fail-safe settings
- E. MAC masquerade addresses

Correct Answer: C

QUESTION 8

You have created a custom profile named TEST2. The parent profile of TEST2 is named TEST1. If additional changes are made to TEST1, what is the effect on TEST2?

- A. All changes to TEST1 are propagated to TEST2.
- B. Some of the changes to TEST1 may propagate to TEST2.
- C. Changes to TEST1 cannot affect TEST2 once TEST2 is saved.
- D. When TEST1 is changed, the administrator is prompted and can choose whether to propagate changes to TEST2.

Correct Answer: B

QUESTION 9



Which statement describes a typical purpose of iRules?

- A. iRules can be used to add individual control characters to an HTTP data stream.
- B. iRules can be used to update the timers on monitors as a server load changes. iRules can be used to update the timers on monitors as a server's load changes.
- C. iRules can examine a server response and remove it from a pool if the response is unexpected. iRules can examine a server's response and remove it from a pool if the response is unexpected.
- D. iRules can be used to look at client requests and server responses to choose a pool member to select for load balancing.

Correct Answer: A

QUESTION 10

Which three iRule events are likely to be seen in iRules designed to select a pool for load balancing? (Choose 3)

- A. CLIENT_DATA
- B. SERVER_DATA
- C. HTTP_REQUEST
- D. HTTP_RESPONSE
- E. CLIENT_ACCEPTED
- F. SERVER_SELECTED
- G. SERVER_CONNECTED

Correct Answer: ACE

QUESTION 11

A site has six members in a pool. Three of the servers are new and have more memory and a faster processor than the others. Assuming all other factors are equal and traffic should be sent to all members, which two load-balancing methods are most appropriate? (Choose two.)

- A. Ratio
- B. Priority
- C. Observed
- D. Round Robin

Correct Answer: AC



QUESTION 12

A virtual server is listening at 10.10.1.100:80 and has the following iRule associated with it: when HTTP_REQUEST { if { [HTTP::header User-Agent] contains "MSIE" } { pool MSIE_pool } else { pool Mozilla_pool } If a user connects to http://10.10.1.100/foo.html and their browser does not specify a User-Agent, which pool will receive the request?

- A. MSIE_pool
- B. Mozilla_pool
- C. None. The request will be dropped.
- D. Unknown. The pool cannot be determined from the information provided.

Correct Answer: B

QUESTION 13

The incoming client IP address is 195.64.45.52 and the last five connections have been sent to members A, C, E, D and B. Given the virtual server, pool, and persistence definitions and statistics shown in the above graphic, which member will be used for the next connection?

Persistence Table		
All entries for the one virtual server and pool		
Persistence Values	Member	Age (Seconds)
200.10.0.0	10.10.20.1:80	63
201.12.0.0	10.10.20.3:80	43
153.15.0.0	10.10.20.2:80	76
205.12.0.0	10.10.20.4:80	300
195.64.0.0	10.10.20.3:80	22
198.22.0.0	10.10.20.5:80	176
214.77.0.0	10.10.20.1:80	43

Web_PoolStatistics					
Member	Member Ratio	Member Priority	Outstanding Layer 7 Requests	Connection Count	Status
10.10.20.1:80	3	5	6	18	Available
10.10.20.2:80	3	5	6	12	Available
10.10.20.3:80	3	5	12	5	Disabled
10.10.20.4:80	1	1	8	19	Offline
10.10.20.5:80	1	1	4	9	Available

Virtual Server, Pool and Persistence Profile Settings					
VS_Web_Pool Settings		Web_Pool Settings		Source Persist Settings	
Destination	172.160.22.3:80	Load Balancing	Least Connections	Mode	Source Address
Profile(s)	TCP	Priority Activation	Less than 2	Netmask	255.255.0.0
Pool	Web_Pool	Monitor	Done	Timeout	360 seconds
iRules	None				
Persistence	Source_Persist				



- A. 10.10.20.1:80
- B. 10.10.20.2:80
- C. 10.10.20.3:80
- D. 10.10.20.4:80
- E. 10.10.20.5:80
- F. It cannot be determined with the information given.

Correct Answer: C

QUESTION 14

The current status of a given pool member is unknown. Which condition could explain that state?

- A. The member has no monitor assigned to it.
- B. The member has a monitor assigned to it and the most recent monitor was successful.
- C. The member has a monitor assigned to it and the monitor did not succeed during the most recent timeout period.
- D. The member's node has a monitor assigned to it and the monitor did not succeed during the most recent timeout period.

Correct Answer: A

QUESTION 15

What is the purpose of provisioning?

- A. Provisioning allows modules that are not licensed to be fully tested.
- B. Provisioning allows modules that are licensed be granted appropriate resource levels.
- C. Provisioning allows the administrator to activate modules in non-standard combinations.
- D. Provisioning allows the administrator to see what modules are licensed, but no user action is ever required.

Correct Answer: B

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