



Vendor: F5

Exam Code: 101

Exam Name: Application Delivery Fundamentals

Version: DEMO

QUESTION 1

Which device group type allows a BIG IP system to automatically become active in the event that the current active system fails?

- A. Sync-active
- B. sync-failover
- C. sync-standby
- D. sync-only

Answer: B

Explanation:

The sync-failover group allows for failover of a traffic group. The sync-only will synchronize ASM profiles and some other device information but does not deal with traffic groups.

QUESTION 2

A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG IP device. Multiple other VLANs exist on LACP01.

Which TMSH command should the BIG IP Administrator issue to add the new VLAN to the existing LAC?

- A. create net vian VIAN40 (interfaces replace all with {LACP01 (untagged) } lag 40)
- B. create net vian VLAN40 (interfaces add { LACP01 {tagged} tag JO J
- C. create net vian VLAN40 {interfaces add (LACP01 {untagged}) tag 40}
- D. create net wan VLAN40 {interfaces replace all with {LACP01 {tagged }} lag 40 }

Answer: B

Explanation:

Tagged" VLAN is how F5 refers to a VIAN within an 802.1q trunk. The fact that it is an FS trunk' or an LACP/etherchannel link only changes how the interface is referred to in the command.

QUESTION 3

A company is creating a new department for Security Engineering and needs to create a segregated network segment with only 24 IPs.

What should be configured?

- A. configure a new VLAN and assign a netmask of /29
- B. use an existing VLAN and assign a netmask of /28
- C. use an existing VLAN and assign a netmask of /30
- D. configure a new VLAN and assign a netmask of /27

Answer: D

Explanation:

a /28 contains 14 usable IPs and a /27 contains 30 usable ips.

QUESTION 4

A BIG IP Administrator needs to create a virtual server for a new secure end-to-end web application. After change in configuration the virtual server .3 still marked down. The configuration of the virtual server and the pool member are correct. A quick server shows the status.

To fix the issue, what should the BIG-IP Administrator inform the web server administrator to do?

- A. change web server configuration to use SSL/TLS

- B. reboot the server
- C. restart the web service
- D. change web server configuration to use SSH/SCP

Answer: A

Explanation:

If the application needs to be secure "end-to-end" the web server needs to use SSL as well. Most web servers will not require HTTP requests when configured with HTTPS, so the monitor is failing.

QUESTION 5

Web application <http://www.example.com> at 10.10.1.110, is unresponsive. A recent change migrated DNS to a new platform

- A. telnet www example com 80
- B. curl http //www example com
- C. dig www example com
- D. telnet 10.10.1.110 80

Answer: C

Explanation:

Telnet will open a socket to the http server, but the request would need to be manually input. Curl will send a request and output the response.

QUESTION 6

Which function does a caching profile provide on the BIG IP server?

- A. caches client IP addresses to improve response times
- B. caches HTTP headers to improve server load times.
- C. caches selected pool members to improve load balancing times.
- D. caches data for reuse to cut down on transfer time for future requests

Answer: D

Explanation:

The ltm cache profile is a memory cache of data from pool members.

QUESTION 7

A BIG-IP Administrator needs a solution to tunnel traffic and transmit encrypted connections over the Internet using only a standard browser and common ports and protocols. Which solution should the administrator select?

- A. GRE Tunnel
- B. IPsec VPN
- C. SSH Tunnel
- D. SSL VPN

Answer: D

Explanation:

This is APMS use of the Netscape plugin API (NPAPI) that most browsers have deprecated at this point.

QUESTION 8

A BIG IP Administrator configures three Network Time Protocol servers to keep the time of the devices in sync. Which tool should the administrator use to show the synchronization status with the Network Time Protocol servers?

- A. time
- B. ntpdate
- C. date
- D. ntpq

Answer: D

Explanation:

ntpq -pn will show the synchronization status of configured ntp servers.

QUESTION 9

A BIG IP virtual Server with an IP address of 10.100.43.108 must be available to public internet users.

Which technology should be used to achieve this task?

- A. NDP
- B. DNS
- C. NAT
- D. ARP

Answer: C

Explanation:

10 x.x.x/8 is an RFC 1918 reserved private IP address. It must be NATted from a publicly accessible IP for access from the internet.

QUESTION 10

Basic F5 IP Geo location provides which four types of client information? (Choose four.)

- A. State
- B. Continent
- C. Postal code
- D. City
- E. Carrier
- F. Country

Answer: ABEF

Explanation:

State - Country - Continent - City

State - Country - Postal code - City

The BIG-IP system uses geo location software to identify the geographic location of a client or web application user. The default IP geo location database provides IPv4 addresses at the continent, country, state, ISP, and organization levels, and IPv6 addresses at the continent and country levels.

The database consists of the following files:

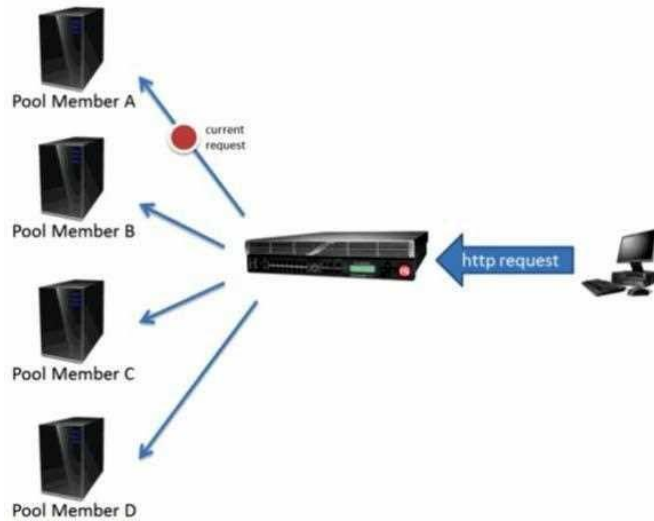
F5GeoIP.dat

F5GeoIPv6.dat

F5GeoIPISP.dat
F5GeoIPOrg.dat

QUESTION 11

If LTM uses the round robin load balancing method, which pool member in the diagram above will receive the next request?



- A. A
- B. C
- C. D
- D. B

Answer: D

Explanation:

LTM uses the round robin load balancing method so after A will be B.

QUESTION 12

The production version of BIG-IP Virtual Edition is limited to 200 Mbps throughput.

- A. True
- B. False

Answer: B

Explanation:

The production version of BIG-IP Virtual Edition can be at 25Mbps / 200Mbps / 1Gbps / or 5Gbps throughput served and maybe higher in the next versions.

QUESTION 13

The VIPRION provides hot-pluggable capabilities for which four of these types of hardware? (Choose four.)

- A. LCD displays
- B. Fan trays

- C. Memory
- D. Power supplies
- E. Performance blades
- F. CompactFlash

Answer: BCDE

Explanation:

The VIPRION provides hot-pluggable capabilities for Fan trays, Memory, Power supplies, and Performance blades.

QUESTION 14

An administrator is planning on solving latency issues by placing the backup data center in a neighboring city to the primary data center. Why isn't this effective solution?

- A. It does not provide an acceptable disaster recovery solution.
- B. It won't improve latency between the data centers.
- C. It won't improve the backup time from the primary data center to the backup data center.
- D. Users near the data centers will find their connections going back and forth between the two site
- E. It costs more to have the data centers close together than further apart.

Answer: A

Explanation:

It does not provide an acceptable disaster recovery solution, it is too close in proximity.

QUESTION 15

Which three of the following must be done in order for GTM to properly communicate LTM?
(Choose three.)

- A. Connect the GTM and LTM with a network crossover cable.
- B. Synchronize the big3d versions between GTM and LTM.
- C. Add the LTM object to the GTM configuration.
- D. Configure the GTM and LTM to use MAC masquerading.
- E. Ensure that GTM and LTM use the same floating IP address.
- F. Exchange SSL certificates between the two devices.

Answer: BCF

Explanation:

Integrating LTM systems with GTM systems on a network

Running the bigip_add utility

Determine the self IP addresses of the BIG-IP LTM systems that you want to communicate with BIG-IP GTM.

Run the bigip_add utility on BIG-IP GTM. This utility exchanges SSL certificates so that each system is authorized to communicate with the other.

When the LTM and GTM systems use the same version of the big3d agent, you run the bigip_add utility to authorize communications between the systems.

QUESTION 16

Which of the following is NOT included on the F5 DevCentral site?

- A. Subscription purchasing options

- B. Actual iRules written by other customers
- C. iRules reference materials
- D. Forums
- E. The F5 iRule editor

Answer: A

Explanation:

Subscription purchasing options is in Partner Resource Center.

QUESTION 17

GTM solves which three of these standard DNS limitations? (Choose three.)

- A. It can verify that a host is available before resolving a host name for a client.
- B. It can use HTTPS for the connection between itself and the client.
- C. It can ensure that clients remain at the same data center for stateful applications.
- D. It can verify that a client does not have any viruses before sending the IP address.
- E. It has more complex load balancing methods.

Answer: ACE

Explanation:

GTM solves three of these standard DNS limitations.

It can verify that a host is available before resolving a hostname for a client It can ensure that clients remain at the same data center for stateful applications It has more complex load balancing methods.

QUESTION 18

Which three of these software modules can you layer on top of LTM on a BIG-IP device? (Choose three.)

- A. Web Accelerator
- B. APM
- C. ARX
- D. GTM
- E. Firepass
- F. Enterprise Manager

Answer: ABD

Explanation:

These software modules can you layer on top of LTM on a BIG-IP device are AAM, APM and GTM.

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