

F5-Networks

Exam Questions F5CAB2

BIG-IP Administration Data Plane Concepts (F5CAB2) exam



NEW QUESTION 1

What type of virtual server has a destination of 0.0.0.0 and listens on a specific VLAN? (Choose one answer)

- A. Standard
- B. Forwarding (Layer 2)
- C. Wildcard
- D. Forwarding (IP)

Answer: C

NEW QUESTION 2

Refer to the exhibit.

 Properties Members Statistics	
General Properties	
Name	redis-6379
Partition / Path	Common
Description	
Availability	● Available (Enabled) - The pool is available
Configuration: Advanced ▼	
Health Monitors	Active / Common redis-is-master-custom Available / Common dns-custom gateway_icmp http http-custom << >>
Availability Requirement	All ▼ Health Monitor(s)
Allow SNAT	Yes ▼
Allow NAT	Yes ▼
Action On Service Down	Reject ▼
Slow Ramp Time	10 seconds
IP ToS to Client	Pass Through ▼
IP ToS to Server	Pass Through ▼
Link QoS to Client	Pass Through ▼
Link QoS to Server	Pass Through ▼
Reselect Tries	0
Enable Request Queueing	No ▼
Request Queue Depth	0
Request Queue Timeout	0 ms
IP Encapsulation	None ▼

Local Traffic » Pools : Pool List » pool_web

⚙

Properties

Members

Statistics

Load Balancing

Load Balancing Method

Ratio (member)

Ignore Persisted Weight

☐

Priority Group Activation

Disabled

Update

Current Members

Add...

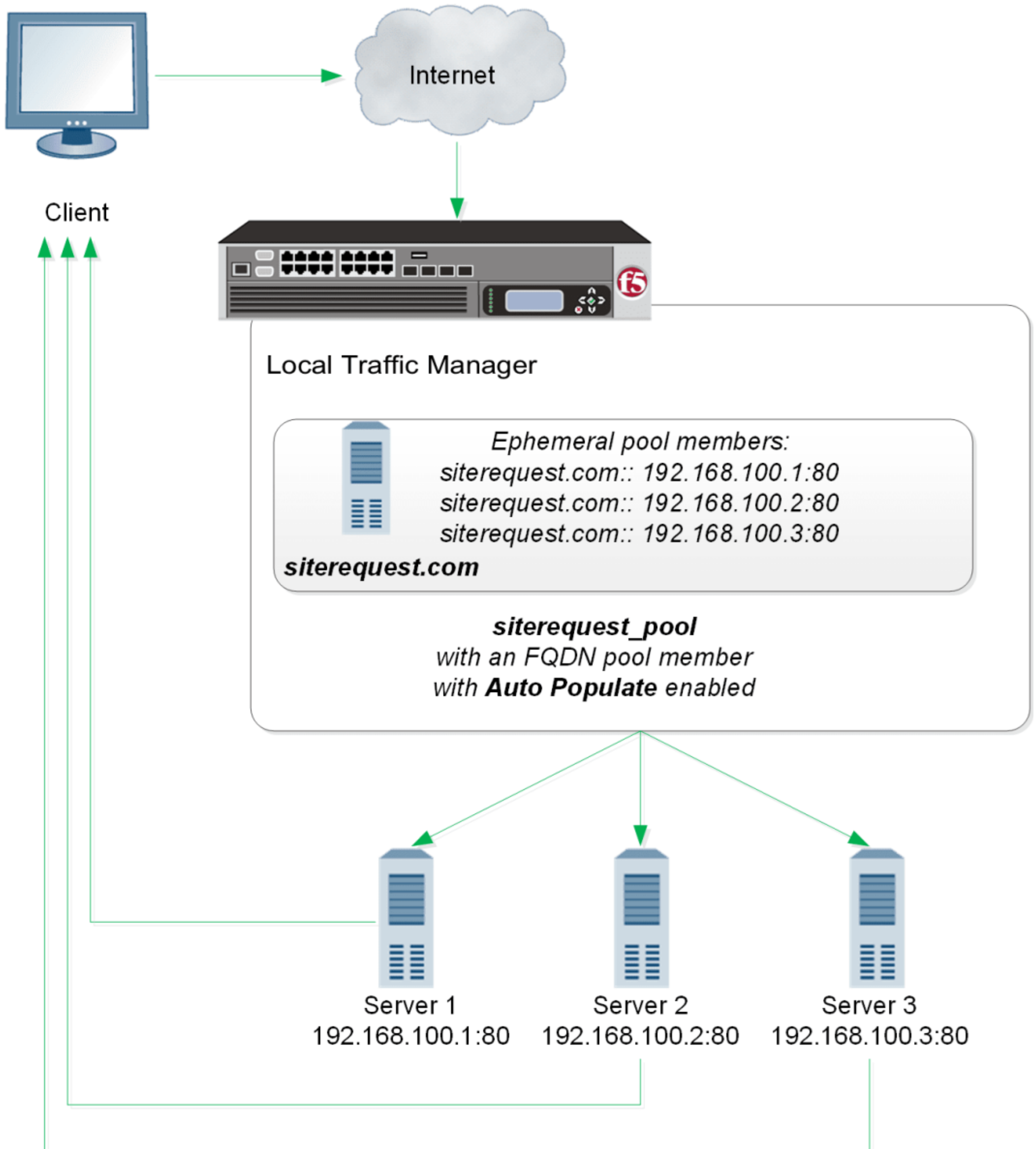
☒	☐ Status	Member	Address	Service Port	FQDN	Ephemeral	Ratio	Priority Group	Connection Limit	Partition / Path
☐		192.168.30.100:80	192.168.30.100	80		No	10	0 (Active)	0	Common
☐		192.168.30.150:80	192.168.30.150	80		No	50	0 (Active)	0	Common

Enable

Disable

Force Offline

Remove



The BIG-IP Administrator needs to avoid overloading any of the pool members with connections when they become active. What should the BIG-IP Administrator configure to meet this requirement? (Choose one answer)

- A. Slow Ramp Time to the Pool
- B. Different Ratio for each member
- C. Action On Service Down to Reselect
- D. Same Priority Group to each member

Answer: A

NEW QUESTION 3

A BIG-IP Administrator needs to connect a BIG-IP system to two upstream switches to provide external network resilience. The network engineer instructs the administrator to configure interface binding with LACP. Which configuration should the administrator use? (Choose one answer)

- A. A virtual server with an LACP profile and the switches' management IPs as pool members.
- B. A virtual server with an LACP profile and the interfaces connected to the switches as pool members.
- C. A Trunk listing the allowed VLAN IDs and MAC addresses configured on the switches.

D. A Trunk containing an interface connected to each switch.

Answer: D

NEW QUESTION 4

What should a BIG-IP Administrator configure to minimize impact during a failover?

- A. MAC masquerading
- B. External monitors
- C. OneConnect profile
- D. Clone pool

Answer: A

NEW QUESTION 5

Active connections to pool members are unevenly distributed. The load balancing method is Least Connections (member). Priority Group Activation is disabled. What is a potential cause of the uneven distribution? (Choose one answer)

- A. Priority Group Activation is disabled
- B. SSL Profile Server is applied
- C. A persistence profile is applied
- D. Incorrect load balancing method

Answer: C

NEW QUESTION 6

Refer to the exhibit above.

Local Traffic » Pools : Pool List » **docker_www_farm**

Properties Members Statistics

Load Balancing

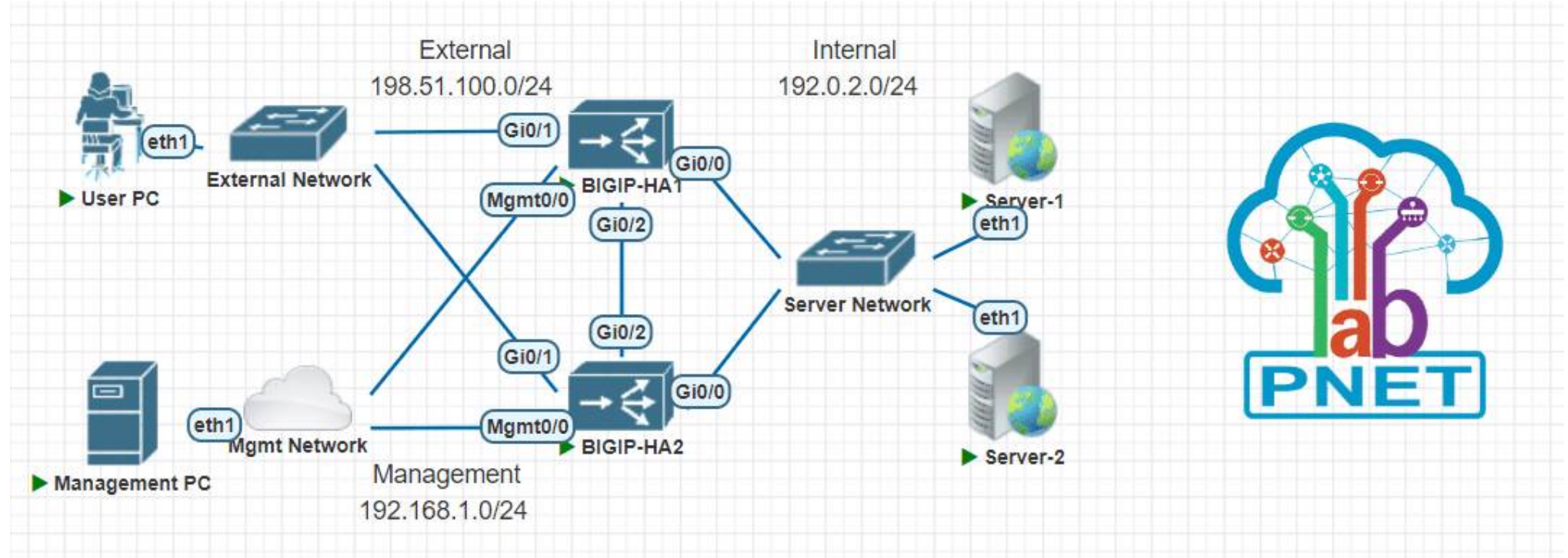
Load Balancing Method: Round Robin

Priority Group Activation: Less than... 2 Available Member(s)

Update

Current Members

✓	▼ Status	Member	Address	Service Port	FQDN	Ephemeral	Ratio	Priority Group	Connection Limit	Partition / Path
☐	●	serv1:80	192.168.30.11	80		No	1	2 (Active)	0	Common
☐	●	serv2:80	192.168.30.12	80		No	1	2 (Inactive)	0	Common
☐	●	serv3:80	192.168.30.13	80		No	1	1 (Active)	0	Common
☐	●	serv4:80	192.168.30.14	80		No	1	1 (Active)	0	Common



Local Traffic » Pools : Pool List » **www_pool**



Properties

Members

Statistics



Member Properties

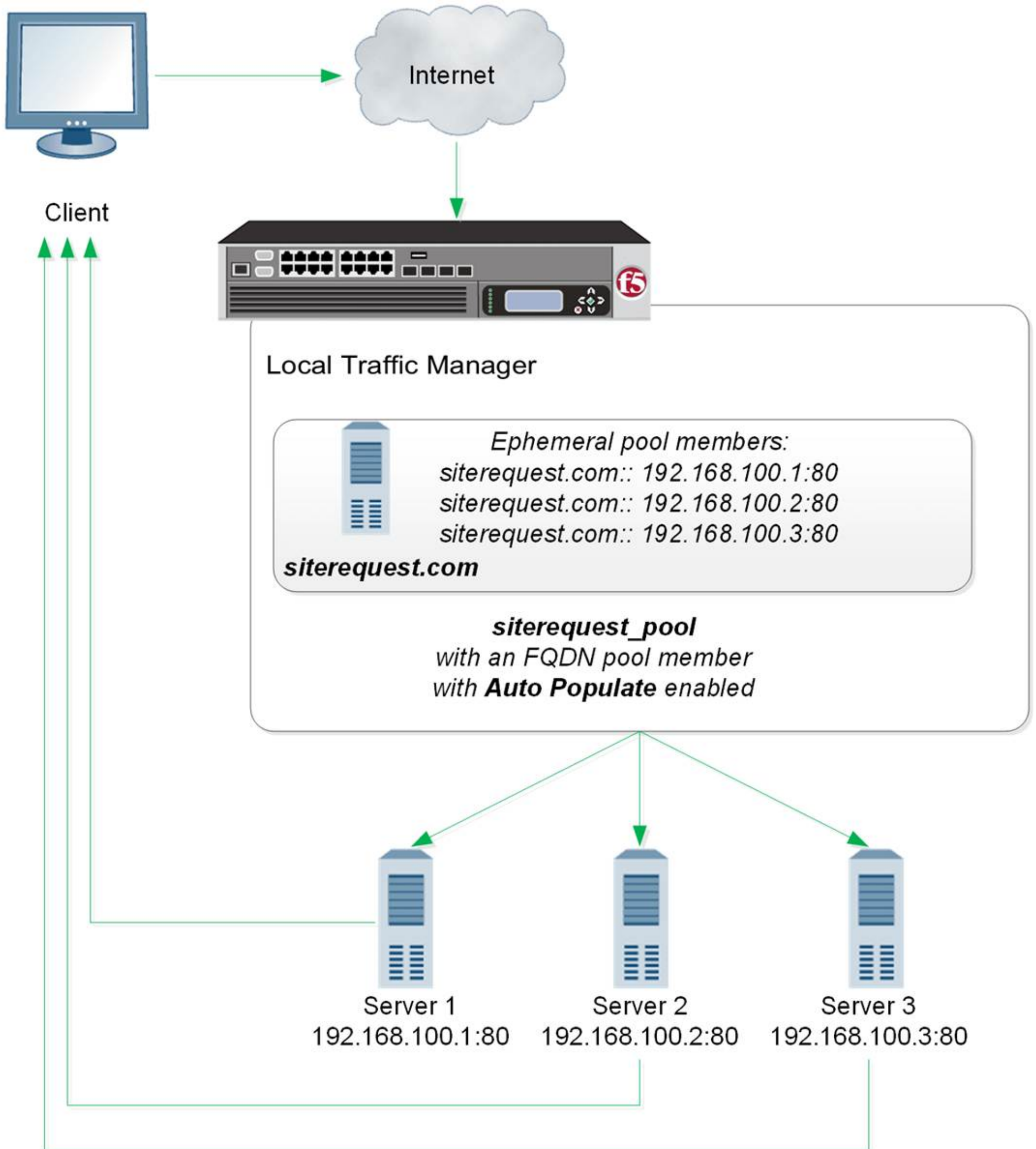
Node Name	10.1.20.11
Address	10.1.20.11
Service Port	80
Partition / Path	Common
Description	
Parent Node	 10.1.20.11
Availability	 Available (Enabled) - Pool member is available 2018-05-29 16:56:28
Health Monitors	 http
Monitor Logging	☐ Enable
Current Connections	0
State	☒ Enabled (All traffic allowed) ☐ Disabled (Only persistent or active connections allowed) ☐ Forced Offline (Only active connections allowed)

Configuration:

Basic



Ratio	3
Priority Group	0
Connection Limit	0
Connection Rate Limit	0



A BIG-IP pool is configured with Priority Group Activation = Less than 2 available members. The pool members have different priority groups and availability states. Which pool members are receiving traffic? (Choose one answer)

- A. serv1
- B. serv1, serv3
- C. serv1, serv2, serv3, serv4
- D. serv1, serv3, serv4

Answer: D

NEW QUESTION 7

To increase the available bandwidth of an existing trunk, the BIG-IP Administrator plans to add additional interfaces. Which command should the BIG-IP Administrator run from within the bash shell? (Choose one answer)

- A. tmsh modify /net trunk trunk_A interfaces add {1.3 1.4}
- B. tmsh modify /sys trunk trunk_A interfaces add {1.3 1.4}
- C. tmsh create /net trunk trunk_A interfaces add {1.3 1.4}

D. tmsch create /sys trunk trunk_A interfaces add {1.3 1.4}

Answer: A

NEW QUESTION 8

What type of virtual server will have a destination IP address of 0.0.0.0 and listen on a specific VLAN for requests?

- A. Forwarding (IP)
- B. Wildcard
- C. Forwarding (Layer 2)
- D. Standard

Answer: B

NEW QUESTION 9

When using the setup utility to configure a redundant pair, you are asked to provide a "Failover Peer IP". Which address is this?

- A. an address of the other system in its management network
- B. an address of the other system in a redundant pair configuration
- C. an address on the current system used to listen for failover messages from the partner BIG-IP
- D. an address on the current system used to initiate mirroring and network failover heartbeat messages

Answer: B

NEW QUESTION 10

A BIG-IP Administrator configures remote authentication and needs to make sure that users can still login even when the remote authentication server is unavailable. Which action should the BIG-IP Administrator take in the remote authentication configuration to meet this requirement?

- A. Configure a remote role group
- B. Set partition access to ??All??
- C. Configure a second remote user directory
- D. Enable the Fallback to Local option

Answer: D

NEW QUESTION 10

A BIG-IP Administrator assigns the default HTTP health monitor to a pool that has three members listening on port 80. When the administrator connects to each pool member using the curl utility, two of the members respond with a status of 404 Not Found, while the third responds with 200 OK. What will the pool show for member availability? (Choose one answer)

- A. Two members offline and one member online
- B. Two members online and one member offline
- C. All members offline
- D. All members online

Answer: A

NEW QUESTION 11

A virtual server is listening at 10.10.1.100:any and has the following iRule associated with it:

```
when CLIENT_ACCEPTED { if {[TCP::local_port] equals 21 } { pool ftppool } elseif {[TCP::local_port] equals 23 } { pool telnetpool }
```

If a user connects to 10.10.1.100 and port 22, which pool will receive the request?

- A. ftppool
- B. telnetpool
- C. Non
- D. The request will be dropped.
- E. Unknow
- F. The pool cannot be determined from the information provided.

Answer: D

NEW QUESTION 14

An application is configured so that the same pool member must be used for an entire session, and this behavior must persist across HTTP and FTP traffic. A user reports that a session terminates and must be restarted after the active BIG-IP device fails over to the standby device.

Which configuration settings should the BIG-IP Administrator verify to ensure proper behavior when BIG-IP failover occurs? (Choose one answer)

- A. Cookie persistence and session timeout
- B. Stateful failover and Network Failover detection
- C. Persistence mirroring and Match Across Services
- D. SYN-cookie insertion threshold and connection low-water mark

Answer: C

NEW QUESTION 15

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

- A. Monitors are performed only by the active system.
- B. Failover 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. (Incorrect)
- F. Floating self-IP addresses are hosted only by the active system.

Answer: CE

NEW QUESTION 17

The BIG-IP Administrator needs to ensure that if a pool member is marked down by the monitor, the BIG-IP system sends existing connections to another available pool member. Which task should the BIG-IP Administrator perform to meet this goal?

- A. Reconfigure the pool monitor to mark the member as UP
- B. Enable mirroring within the persistence profile
- C. Set Action on Service Down setting under the Virtual Server configuration to reselect
- D. Set Action on Service Down setting under the pool configuration to reselect

Answer: D

NEW QUESTION 19

When upgrading a BIG-IP redundant pair, what happens when one system has been updated but the other has not?

- A. Synching should not be performed.
- B. The first system to be updated will assume the Active role.
- C. This is not possible since both systems are updated simultaneously.
- D. The older system will issue SNMP traps indicating a communication error with the partner.

Answer: A

NEW QUESTION 24

Refer to the exhibit.

General Properties		Active Device	
Name			
Partition / Path		Common	
Description			
Tag			
Resources			
		Interface 1.1	
		Tagging Select	
		Add	
		1.2 (tagged none)	
General Properties		Standby Device	
Name			
Partition / Path		Common	
Description			
Tag			
Resources			
		Interface 1.1	
		Tagging Select	
		Add	
		1.2 (tagged none)	

Interfaces

Interface | 1.1

Tagging | Select

Add

1.2 (tagged none)

During a planned upgrade to a BIG-IP HA pair running Active/Standby, an outage to application traffic is reported shortly after the Active unit is forced to Standby. Reverting the failover resolves the outage. What should the BIG-IP Administrator modify to avoid an outage during the next failover event? (Choose one answer)

- A. The Tag value on the Standby device
- B. The interface on the Active device to 1.1
- C. The Tag value on the Active device
- D. The Interface on the Standby device to 1.1

Answer: D

NEW QUESTION 27

An ecommerce company is experiencing latency issues with online shops during Black Friday??s peak season. The BIG-IP Administrator detects an overall high CPU load on the BIG-IP device and wants to move the top utilized Virtual Servers to a dedicated BIG-IP device. Where should the BIG-IP Administrator determine the problematic Virtual Servers? (Choose one answer)

- A. Local Traffic > Virtual Servers > Virtual Server List
- B. System > Platform
- C. Statistics > Module Statistics > Local Traffic > Virtual Servers
- D. Local Traffic > Network Map

Answer: C

NEW QUESTION 30

To increase available bandwidth of an existing Trunk, the BIG-IP Administrator is adding additional interfaces. Which command should the BIG-IP Administrator run from within bash shell?

- A. tmsh modify /sys trunk trunk_A interfaces add {1.3 1.4}
- B. tmsh create /net trunk trunk_A interfaces add {1.3 1.4}
- C. tmsh create /sys trunk trunk_A interfaces add {1.3 1.4}
- D. tmsh modify /net trunk trunk_A interfaces add {1.3 1.4}

Answer: D

NEW QUESTION 34

A BIG-IP Administrator has a cluster of devices.

What should the administrator do after creating a new Virtual Server on device 1? (Choose one answer)

- A. Synchronize the settings of the group to device 1
- B. Create a new cluster on device 1
- C. Synchronize the settings of device 1 to the group
- D. Create a new virtual server on device 2

Answer: C

NEW QUESTION 35

What should a BIG-IP Administrator configure to minimize impact during a failover? (Choose one answer)

- A. External monitors
- B. Clone pool
- C. OneConnect profile
- D. MAC masquerading

Answer: D

NEW QUESTION 40

Which statement is true concerning the default communication between a redundant pair of BIG-IP devices?

- A. Communication between the systems cannot be effected by port lockdown settings.
- B. Data for both connection and persistence mirroring are shared through the same TCP connection.
- C. Regardless of the configuration, some data is communicated between the systems at regular intervals.
- D. Connection mirroring data is shared through the serial fail over cable unless network failover is enabled.

Answer: C

NEW QUESTION 45

What command will assist the BIG-IP Administrator in finding the tmm routes when in the TMSH CLI?

- A. list net route
- B. show net route
- C. list net
- D. show net

Answer: B

NEW QUESTION 48

The owner of a web application asks the BIG-IP Administrator to change the port that the BIG-IP device sends traffic to. This change must be made for each member in the server pool named app_pool for the Virtual Server named app_vs. In which area of the BIG-IP Configuration Utility should the BIG-IP Administrator make this change?

- A. Local Traffic > Virtual Servers
- B. Local Traffic > Pools
- C. Local Traffic > Nodes
- D. Network > Interfaces

Answer: B

NEW QUESTION 51

The BIG-IP Administrator wants to provide quick failover between the F5 LTM devices that are configured as an HA pair with a single-selfip using the MAC Masquerade feature for this quick failover and runs this command: tmsh modify /cm traffic-group traffic-group-1 mac 02:12:34:56:00:00 However, the Network Operations team has identified an issue with the use of the same MAC address being used within different VLANs. As a result, the administrator decides to implement the Per-VLAN Mac Masquerade in order to have a unique MAC address on each VLAN: tmsh modify /sys db tm.macmasqaddr_per_vlan value true. What would be the resulting MAC address on a tagged VLAN of 1501? (Choose one answer)

- A. 02:12:34:56:01:15
- B. 02:12:34:56:dd:05
- C. 02:12:34:56:05:dd
- D. 02:12:34:56:15:01

Answer: C

NEW QUESTION 55

What is the result when a BIG-IP Administrator manually disables a pool member? (Choose one answer)

- A. The disabled pool member stops processing persistent connections.
- B. All pool members continue to process persistent connections.
- C. The disabled pool member stops processing existing connections.
- D. All pool members stop accepting new connections.

Answer: A

NEW QUESTION 60

Which statement is true concerning iRule events?

- A. All iRule events relate to HTTP processes.
- B. All client traffic has data that could be used to trigger iRule events.
- C. All iRule events are appropriate at any point in the client-server communication.
- D. If an iRule references an event that doesn't occur during the client's communication, the client's connection will be terminated prematurely.

Answer: B

NEW QUESTION 62

A BIG-IP is configured with a pool member located on a different subnet that is not local to the BIG-IP. To ensure that the return traffic from the pool member is sent to the client through the BIG-IP, a Source NAT (SNAT) is used and configured for SNAT Automap. The BIG-IP has a default gateway on the external VLAN, a floating and non-floating self-IP address on each VLAN, and a management address. Which IP address will the BIG-IP use as the source address for the traffic to the pool member when client traffic is sent through the virtual server?

- A. The source address will be the first address available in the list of self-IPs.
- B. The source address will be the floating self-IP address on the egress VLAN.
- C. The source address will be the non-floating self-IP address on the egress VLAN.
- D. The source address will be the management IP address.

Answer: B

NEW QUESTION 64

The BIG-IP appliance fails to boot. The BIG-IP Administrator needs to run the End User Diagnostics (EUD) utility to collect data to send to F5 Support. Where can the BIG-IP Administrator access this utility?

- A. Console Port1
- B. Internal VLAN interface2
- C. External VLAN interface3
- D. Management Port4

Answer: A

NEW QUESTION 65

A development team needs to apply a software fix and troubleshoot one of its servers. The BIG-IP Administrator needs to immediately remove all connections from the BIG-IP system to the back-end server. The BIG-IP Administrator checks the virtual server configuration and finds that a persistence profile is assigned to it. What should the BIG-IP Administrator do to meet this requirement? (Choose one answer)

- A. Set the pool member to a Forced Offline state and manually delete existing connections through the command line
- B. Set the pool member to an Offline state and manually delete existing connections through the command line

- C. Set the pool member to aForced Offline state
- D. Set the pool member to aDisabled state

Answer: C

NEW QUESTION 67

An application is configured so that the same pool member must be used for an entire session, as well as for HTTP and FTP traffic. A user reports that a session has terminated, and the user must restart the session. The BIG-IP Administrator determines that the active BIG-IP device failed over to the standby BIG-IP device. Which configuration settings should the BIG-IP Administrator verify to ensure proper behavior when BIG-IP failover occurs?

- A. Cookie persistence and session timeout
- B. Stateful failover and network failover detection
- C. syn-cookie insertion threshold and connection low-water mark
- D. Persistence mirroring and Match Across Services

Answer: D

NEW QUESTION 69

What is required for a virtual server to support clients whose traffic arrives on the internal VLAN and pool members whose traffic arrives on the external VLAN?

- A. That support is never available.
- B. The virtual server must be enabled for both VLANs.
- C. The virtual server must be enabled on the internal VLAN.
- D. The virtual server must be enabled on the external VLAN.

Answer: C

NEW QUESTION 70

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