



## **F5-Networks**

### **Exam Questions 201**

TMOS Administration

#### NEW QUESTION 1

A BIG-IP Administrator adds new Pool Members into an existing, highly utilized pool. Soon after, there are reports that the application is failing to load for some users. What pool level setting should the BIG-IP Administrator check?

- A. Availability Requirement
- B. Allow SNAT
- C. Action On Service Down
- D. Slow Ramp Time

**Answer:** D

#### Explanation:

Option ABC is a global configuration, has nothing to do with the new pool member, select D after excluding

#### NEW QUESTION 2

A BIG-IP Administrator defines a device Self IP . The Self IP is NOT reachable from the network. What should the BIG-IP Administrator verify first?

- A. The correct interface has been selected.
- B. The correct VLAN has been selected.
- C. Verify if auto last hop is disabled.
- D. The correct Trunk has been selected.

**Answer:** B

#### NEW QUESTION 3

A BIG-IP Administrator uses backend servers to host multiple services per server. There are multiple virtual servers and pools defined, referencing the same backend servers.

Which load balancing algorithm is most appropriate to have an equal number of connections on each backend server?

- A. Least Connections (member)
- B. Least Connections (node)
- C. Predictive (member)
- D. Predictive (node)

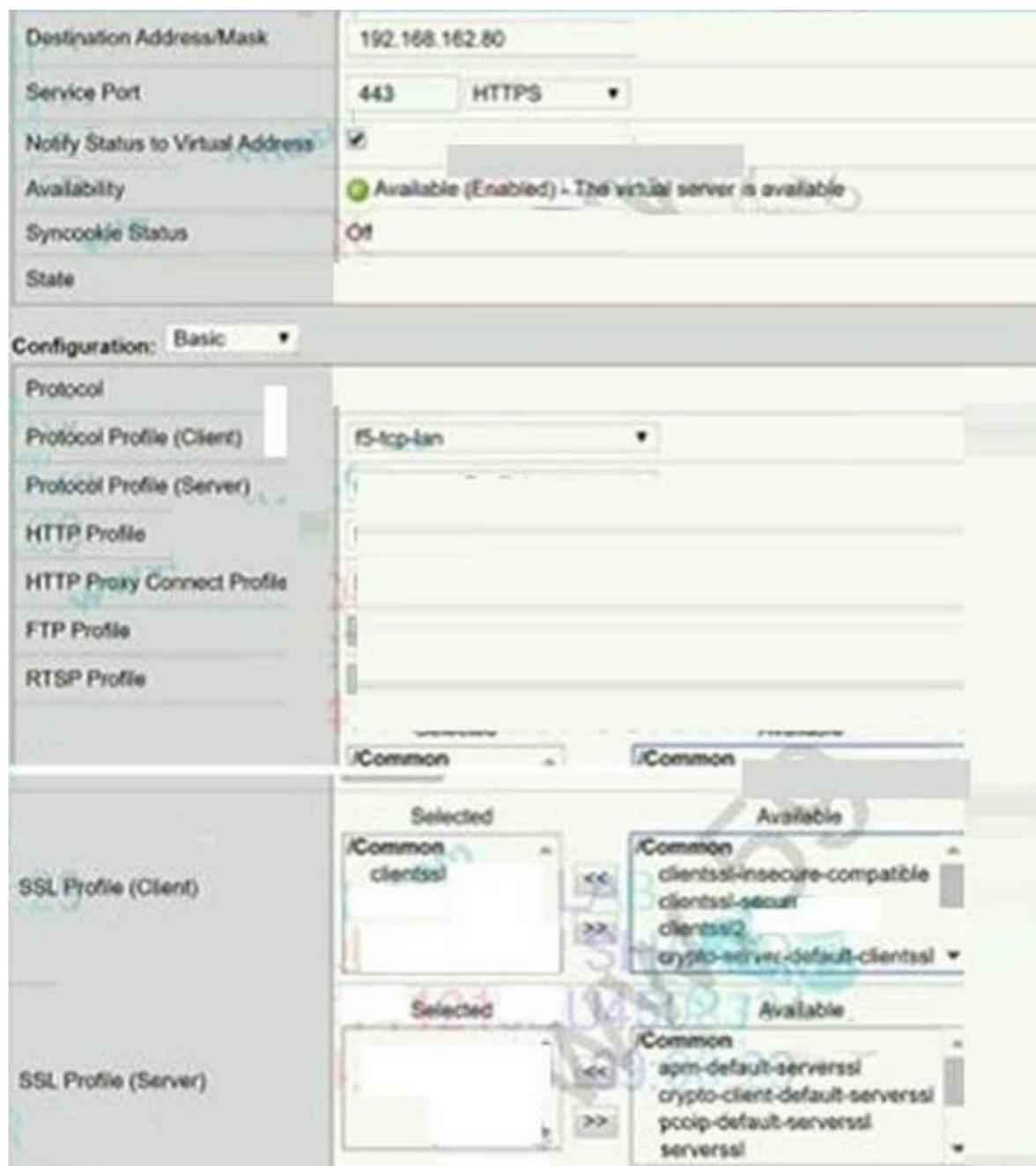
**Answer:** B

#### Explanation:

The same set of servers provides multiple services, that is, using different ports to provide different services at the same time. The stem requirement is based on server connection balancing, not server + port, so it is node.

#### NEW QUESTION 4

Refer to the exhibit.



A BIG-IP Administrator needs to deploy an application on the BIG-IP system to perform SSL offload and re-encrypt the traffic to pool members. During testing, users are unable to connect to the application. What must the BIG-IP Administrator do to resolve the issue?

- A. Remove the configured SSL Profile (Client)
- B. Configure Protocol Profile (Server) as splitsession-default-tcp
- C. Enable Forward Proxy in the SSL Profile (Client)
- D. Configure an SSL Profile (Server)

**Answer: D**

**Explanation:**

According to the requirements of the subject, the client and server must be configured with ssl profile.

**NEW QUESTION 5**

How should a BIG-IP Administrator control the amount of traffic that a newly enabled pool member receives.

- A. set the Slow Ramp Time
- B. set a Connection Limit
- C. set the Priority Group Activation
- D. set a Health Monitor

**Answer: A**

**Explanation:**

Slow Ramp Time

Specifies the duration during which the system sends less traffic to a newly-enabled pool member. The amount of traffic is based on the ratio of how long the pool member has been available compared to the slow ramp time, in seconds. Once the pool member has been online for a time greater than the slow ramp time, the pool member receives a full proportion of the incoming traffic. Slow ramp time is particularly useful for the least connections load balancing mode. Setting this to a nonzero value can cause unexpected Priority Group behavior, such as load balancing to a low-priority member even with enough high-priority servers.

**NEW QUESTION 6**

A BIG-IP Administrator sees the following error message in /var/log/ltn diskmonitor: \*\*\*\*\*; Disk partition shared has less than 30\$ free Which section of the Configuration Utility should the BIG-IP Administrator access to investigate this error message?

- A. Statistics > Analytics
- B. System > File Management
- C. Statistics > Module Statistics > System
- D. System > Disk Management

Answer: D

#### NEW QUESTION 7

A BIG-IP Administrator receives an RMA replacement for a failed F5 device. The BIG-IP Administrator tries to restore a UCS taken from the previous device, but the restore fails. The following error appears in the /var/log/itm.

```
mcpd [****J: •*****»;0; License is not operational (expired or digital signature does not match contents.)
```

What should the BIG-IP Administrator do to avoid this error?

- A. Use the appropriate tmsh command with the no-license option
- B. Revoke the license prior to restoring
- C. Reactivate the license on the new device using the manual activation method
- D. Remove the license information from the UCS archive

Answer: A

#### NEW QUESTION 8

A BIG-IP Administrator needs to load a UCS file but must exclude the license file. How should the administrator perform this task?

- A. From the CLI with command U tmsh load /\$sys ucs <ucs filename> no-license
- B. From the GUI, select the UCS file, uncheck the license box, and click restore
- C. From the CLI with command (tmsh)« tmsh load /sys ucs <ucs filename> no-license
- D. From the GUI, select the UCS file and click restore

Answer: A

#### NEW QUESTION 9

What should the BIG-IP Administrator do to apply and activate a hotfix to a BIG-IP device that is currently running version 11.0.0 on active partition HD1.1?

- A. \* 1. confirm that 11.0.0 is installed on inactive partition HD1.2\* 2. apply a hotfix to partition HD 1.2\* 3. activate partition HD1.2
- B. \* 1. reactivate the license on partition HD1.1\* 2. apply a hotfix to partition HD1.1
- C. \* 1. activate partition HD1.2\* 2 confirm version 11.0.0 on partition HD1.2\* 3. install a hotfix on partition HD1.2
- D. \* 1. set partition HD1.2 active\* 2. apply a hotfix to partition HD1.2

Answer: A

#### NEW QUESTION 10

A configuration change is made on the standby member of a device group.

What is displayed as "Recommended Action" on the Device Management Overview screen?

- A. Force active member of device group to standby
- B. Activate device with the most recent configuration
- C. Synchronize the active member configuration to the group.
- D. Synchronize the standby member configuration to the group

Answer: D

#### NEW QUESTION 10

Refer to the exhibit.



Why is the virtual server responsive to incoming connections?

- A. The pool member is disabled
- B. The pool member monitor failed
- C. The node is disabled.
- D. The node monitor failed

Answer: B

#### NEW QUESTION 14

Where is persistence mirroring configured?

- A. It is always enabled.
- B. It is part of a pool definition.
- C. It is part of a profile definition.
- D. It is part of a virtual server definition.

**Answer: C**

**NEW QUESTION 15**

A BIG-IP has a virtual server at 150.150.10.10:80 with SNAT automap configured. This BIG-IP also has a SNAT at 150.150.10.11 set for a source address range of 200.200.1.0 / 255.255.255.0. All other settings are at their default states. If a client with the IP address 200.200.1.1 sends a request to the virtual server, what is the source IP address when the associated packet is sent to the pool member?

- A. 200.200.1.1
- B. 150.150.10.11
- C. Floating self IP address on VLAN where the packet leaves the system
- D. Floating self IP address on VLAN where the packet arrives on the system

**Answer: C**

**NEW QUESTION 20**

Which file should the BIG-IP Administrator check to determine when a Virtual Server changed its status

- A. /var/log/audit
- B. /var/log/lastlog
- C. /var/log/tm
- D. /var/log/monitors

**Answer: C**

**NEW QUESTION 21**

A BIG-IP Administrator runs the initial configuration wizard and learns that the NTP servers were invalid. In which area of the Configuration Utility should the BIG-IP Administrator update the list of configured NTP servers?

- A. System > Configuration
- B. System > Services
- C. System > Preferences
- D. System > Platform

**Answer: A**

**NEW QUESTION 26**

Refer to the exhibit.

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 flow resolves the outage. What should the BIG-IP Administrator modify to avoid an outage during the next failover event?

- 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: A**

**NEW QUESTION 28**

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 Administrators in the remote authentication configuration to meet this requirement?

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

**Answer: B**

**NEW QUESTION 32**

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.

**Answer: A**

**NEW QUESTION 37**

A BIG-IP Administrator is conducting maintenance on one BIG-IP appliance in an HA Pair. Why should the BIG-IP Administrator put the appliance into FORCED\_OFFLINE state?

- A. To preserve existing connections to Virtual Servers and reduce the CPU load
- B. To allow new connections to Virtual Servers and ensure the appliance becomes active

- C. To terminate connections to the management IP and decrease persistent connections
- D. To terminate existing connections to Virtual Servers and prevent the appliance from becoming active

**Answer:** D

#### NEW QUESTION 40

A set of servers is used for an FTP application as well as an HTTP website via separate BIG-IP Pools. The server support team reports that some servers are receiving a lot more traffic than others.

Which Load Balancing Method should the BIG-IP Administrator apply to even out the connection count?

- A. Ratio (Member)
- B. Least Connections (Member)
- C. Least Connections (Node)
- D. Ratio (Node)

**Answer:** C

#### Explanation:

The connection is required to be balanced, and the unit is the server and the application port is the unit, so it is node.

#### NEW QUESTION 45

Under what condition must an appliance license be reactivated?

- A. Licenses only have to be reactivated for RMAs no other situations.
- B. Licenses generally have to be reactivated during system software upgrades.
- C. Licenses only have to be reactivated when new features are added (IPv6, Routing Modules, etc) no other situations.
- D. Never
- E. Licenses are permanent for the platform regardless the version of software installed.

**Answer:** B

#### NEW QUESTION 49

The BIG-IP Administrator generates a qkview using "qkview -SO" and needs to transfer the output file via SCP.

Which directory contains the output file?

- A. /var/log
- B. /var/tmp
- C. /var/local
- D. /var/config

**Answer:** B

#### NEW QUESTION 51

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

**Answer:** A

#### NEW QUESTION 52

A BIG-IP Administrator is configuring an SSH Pool with five members.

Which Health Monitor should be applied to ensure that available pool members are monitored accordingly?

- A. https
- B. udp
- C. http
- D. tcp

**Answer:** D

#### NEW QUESTION 54

Which statement is true concerning SSL termination?

- A. A virtual server that has both ClientSSL and ServerSSL profiles can still support cookie persistence.
- B. Decrypting traffic at the BIG-IP allows the use of iRules for traffic management, but increases the load on the pool member.
- C. When any virtual server uses a ClientSSL profile, all SSL traffic sent to the BIG-IP is decrypted before it is forwarded to servers.
- D. If a virtual server has both a ClientSSL and ServerSSL profile, the pool members have less SSL processing than if the virtual server had only a ClientSSL profile.

**Answer:** A

#### NEW QUESTION 57

A site would like to ensure that a given web server's default page is being served correctly prior to sending it client traffic. They assigned the default HTTP monitor to the pool. What would the member status be if it sent an unexpected response to the GET request?

- A. The pool member would be marked offline (red).
- B. The pool member would be marked online (green).
- C. The pool member would be marked unknown (blue).
- D. The pool member would alternate between red and green.

**Answer: B**

#### NEW QUESTION 59

A BIG-IP Administrator recently deployed an application Users are experiencing slow performance with the application on some remote networks. Which two modifications can the BIG-IP Administrator make to address this issue? (Choose two)

- A. Apply dest addr profile to the Virtual Server
- B. Apply f5-tcp-wan profile to the Virtual Server
- C. Apply f5-tcp-lan profile to the Virtual Server
- D. Apply source\_addr profile to the Virtual Server
- E. Apply fasti\_4 profile to the Virtual Server

**Answer: BC**

#### NEW QUESTION 64

A BIG-IP Administrator need to ensure that a pool member and down by the monitor the BIG-IP system sends existing connections to another be pool member. Which should the BIG-IP Administrator perform to meet this goal?

- A. Set Action on Service Down sing under the server configuration to reselect.
- B. Reconfigure the pool motor members as UP.
- C. Enable mirroring within the persistence profile.
- D. Set Action Service Down setting under the pool configuration to reselect.

**Answer: D**

#### NEW QUESTION 68

A BIG-IP Administrator finds the following log entry after a report of user issues connecting to a virtual server: 01010201: 2: Inet port exhaustion on 10.70.110.112 to 192.28.123.250:80 (proto 6)

How should the BIG-IP Administrator modify the SNAT pool that is associated with the virtual server?

- A. Remove the SNAT pool and apply SNAT Automap.
- B. Remove an IP address from the SNAT pool.
- C. Add an address to the SNAT pool.
- D. Increase the timeout of the SNAT addresses.

**Answer: C**

#### NEW QUESTION 72

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, loadbalancing choices are superceded by the persistence method that is specified.
- D. Persistence is an option for each pool membe
- E. When a pool is defined, each member's definition includes the option for persistence.

**Answer: B**

#### NEW QUESTION 74

The BIG-IP Administrator creates a custom iRule that fails to work as expected. Which F5 online resource should the administrator use to help resolve this issue?

- A. DevCentral
- B. Bug Tracker
- C. University
- D. Health

**Answer: A**

#### NEW QUESTION 79

DNS queries from two internal DNS servers are being load balanced to external DNS Servers via a Virtual Server on a BIG-P device. The DNS queries originate from 192.168.101.100 and 192.168.101.200 and target 192.168.21.50

All DNS queries destined for the external DNS Servers fail

Which property change should the BIG-IP Administrator make in the Virtual Server to resolve this issue?

- A. Protocol Profile (Client) to DNS-OPTIMZED
- B. Type to Performance (HTTP)
- C. Protocol to UDP

D. Source Address to 192.168.101.0/24

**Answer: C**

**NEW QUESTION 81**

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 behaviour when BIG-IP failover occurs?

- 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 82**

Which event is always triggered when a client initially connects to a virtual server configured with an HTTP profile?

- A. HTTP\_DATA
- B. CLIENT\_DATA
- C. HTTP\_REQUEST
- D. CLIENT\_ACCEPTED

**Answer: D**

**NEW QUESTION 85**

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 Port
- B. Internal VLAN interface
- C. External VLAN interface
- D. Management Port

**Answer: A**

**NEW QUESTION 86**

A Standard Virtual Server configured for an application reports poor network performance. This application is accessed mainly from computers on the Internet. What should the BIG-IP Administrator configure on the Virtual Server to achieve better network performance?

- A. Protocol Profile (Client) with f5-tcp-wan and Protocol Profile (Server) with f5-tcp-lan
- B. Protocol Profile (Client) with f5-tcp-lan
- C. Protocol Profile (Client) with f5-tcp-lan and Protocol Profile (Server) with f5-tcp-wan
- D. Protocol Profile (Client) with f5-tcp-optimized

**Answer: A**

**NEW QUESTION 88**

Refer to the exhibit.



| <input checked="" type="checkbox"/> | Status    | Member            | Address       | Service Port |
|-------------------------------------|-----------|-------------------|---------------|--------------|
| <input type="checkbox"/>            | Available | 10.200.50.210:80  | 10.200.50.210 | 80           |
| <input type="checkbox"/>            | Available | 10.200.50.210:21  | 10.200.50.210 | 21           |
| <input type="checkbox"/>            | Available | 10.200.50.211:443 | 10.200.50.211 | 443          |
| <input type="checkbox"/>            | Available | 10.200.50.211:22  | 10.200.50.211 | 22           |

A BIG-IP Administrator needs to configure health monitors for a newly configured server pool named Pool\_B.

Which health monitor settings will ensure that all pool members will be accurately marked as available or unavailable?

- A. HTTPS, HTTP, FTP, and ICMP, with the Availability Requirement of all health monitors
- B. HTTPS, HTTP, FTP, and SSH, with the Availability Requirement of at least one monitor
- C. HTTPS and HTTP with the Availability Requirement of at least one health monitor
- D. HTTPS, HTTP, FTP, and SSH with the Availability Requirement of all health monitors

**Answer: B**

**Explanation:**

From the port, the four members are HTTP, FTP, HTTPS, and SSH applications. If you want to monitor at the same time, you must configure at least one.

**NEW QUESTION 90**

A BIG-IP Administrator remotely connects to the appliance via out-of-band management using <https://mybigip.mycompany.net>. The management portal has been working all week. When the administrator attempts to login today, the connection times out. Which two aspects should the administrator verify? (Choose two)

- A. DNS is properly resolving the FQDN of the device.
- B. The device is NOT redirecting them to http.
- C. The administrator has the latest version of the web browser.
- D. Packet Filters on the device are blocking port 80.
- E. The administrator has TCP connectivity to the device.

**Answer: AE**

**NEW QUESTION 92**

Assume a client's traffic is being processed only by a NAT; no SNAT or virtual server processing takes place. Also assume that the NAT definition specifies a NAT address and an origin address while all other settings are left at their defaults. If the origin server were to initiate traffic via the BIG-IP, what changes, if any, would take place when the BIG-IP processes such packets?

- A. The BIG-IP would drop the request since the traffic didn't arrive destined to the NAT address.
- B. The source address would not change, but the destination address would be changed to the NAT address.
- C. The source address would be changed to the NAT address and destination address would be left unchanged.
- D. The source address would not change, but the destination address would be changed to a self-IP of the BIG-IP.

**Answer: C**

**NEW QUESTION 96**

Refer to the exhibit.



A BIG-IP Administrator creates a new Virtual Server to load balance SSH traffic. Users are unable to log on to the servers. What should the BIG-IP Administrator do to resolve the issue?

- A. Set Protocol to UDP
- B. Set HTTP Profile to None
- C. Set Source Address to 10.1.1.2
- D. Set Destination Addresses/Mask to 0.0.0.0/0

**Answer: B**

**NEW QUESTION 98**

Assuming that systems are synchronized, which action could take place if the fail over cable is connected correctly and working properly, but the systems cannot communicate over the network due to external network problems?

- A. If network failover is enabled, the standby system will assume the active mode.
- B. Whether or not network failover is enabled, the standby system will stay in standby mode.
- C. Whether or not network failover is enabled, the standby system will assume the active mode.
- D. If network failover is enabled, the standby system will go into active mode but only until the network recovers.

**Answer: B**

**NEW QUESTION 100**

An LTM device has a virtual server mapped to [www.f5.com](http://www.f5.com) with a pool assigned. Users report that when browsing, they are periodically required to re-login to [resources/201.1.7.b.2\\_1.com](http://resources/201.1.7.b.2_1.com). The objects are defined as follows:

Virtual server. Destination 192.168.245.100:443 netmask 255.255.255.0 Persistence: SSL session persistence Profiles: HTTP/TCP

Which persistence method should the BIG-IP Administrator apply to resolve this issue?

- A. Source address affinity
- B. hexadecimal
- C. SIP
- D. Destination address affinity

**Answer:** A

**NEW QUESTION 102**

Which two can be a part of a pool's definition? (Choose two.)

- A. rule(s)
- B. profile(s)
- C. monitor(s)
- D. persistence type
- E. loadbalancing mode

**Answer:** CE

**NEW QUESTION 107**

During a maintenance window, an EUD test was executed and the output displayed on the screen. The BIG-IP Administrator did NOT save the screen output. The BIG-IP device is currently handling business critical traffic. The BIG-IP Administrator needs to minimize impact. What should the BIG-IP Administrator do to provide the EUD results to F5 Support?

- A. Boot the device into EUD then collect output from console
- B. Execute EUD from tmsh and collect output from console
- C. Collect file /var/log/messages
- D. Collect file /shared/log/eud.log

**Answer:** D

**NEW QUESTION 109**

A BIG-IP Administrator needs to remove a pool specific health monitor. There is a pool named Best Pool with two members, one named Best pool member and one named Best pool member2. In the Local Traffic section of the administrative GUI, which steps should the BIG-IP Administrator take to remove a pool level monitor?

- A. Pool > Pool List > Best Pool > Members > Health Monitors
- B. Nodes > Node List > Best \_pool\_member1 > Health Monitors
- C. Monitors > Monitor Name > Instances
- D. Pool > Pool List > Best Pool > Health Monitors

**Answer:** D

**NEW QUESTION 110**

A pool of four servers has been partially upgraded for two new servers with more memory and CPU capacity. The BIG-IP Administrator must change the load balance method to consider more connections for the two new servers. Which load balancing method considers pool member CPU and memory load?

- A. Round Robin
- B. Dynamic Ratio
- C. Ratio
- D. Least Connection

**Answer:** C

**NEW QUESTION 115**

Refer to the exhibit.



A pool member fails the monitor checks for about 30 minutes and then starts passing the monitor checks. New traffic is Not being sent to the pool member. What is the likely reason for this problem?

- A. The pool member is disabled
- B. Monitor Type is TCP Half Open
- C. Manual resume is enabled
- D. Time Until Up is zero

**Answer: C**

#### NEW QUESTION 116

A BIG-IP Administrator needs to apply a license to the BIG-IP system to increase the user count from the base license. Which steps should the BIG-IP Administrator?

- A. System License > Re-activate> Add-On Registration> Edit
- B. System > License > Re-activate > Base Registration> Edit
- C. Device Management > Devices > Select BIG-IP System > Update
- D. System > Configuration > Device > General

**Answer: A**

#### NEW QUESTION 121

A BIG-IP Administrator suspects that one of the BIG-IP device power supplies is experiencing power outages. Which log file should the BIG-IP Administrator check to verify the suspicion?

- A. /var /log/daemon.log
- B. /var/log/kern.log
- C. /var/log/ltn
- D. /var/log/audit

**Answer: C**

#### NEW QUESTION 126

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 nonstandard combinations.
- D. Provisioning allows the administrator to see what modules are licensed, but no user action is ever required.

**Answer: B**

#### NEW QUESTION 129

When initially configuring the BIG-IP system using the config utility, which two parameters can be set? (Choose two.)

- A. the netmask of the SCCP
- B. the IP address of the SCCP
- C. the port lockdown settings for the SCCP

- D. the netmask of the host via the management port
- E. the IP address of the host via the management port
- F. the port lockdown settings for the host via the management port

**Answer:** DE

#### NEW QUESTION 132

Assume a BIG-IP has no NATs or SNATs configured. Which two scenarios are possible when client traffic arrives on a BIG-IP that is NOT destined to a self-IP? (Choose two.)

- A. If the destination of the traffic does not match a virtual server, the traffic will be discarded.
- B. If the destination of the traffic does not match a virtual server, the traffic will be forwarded based on routing tables.
- C. If the destination of the traffic matches a virtual server, the traffic will be processed per the virtual server definition.
- D. If the destination of the traffic matches a virtual server, the traffic will be forwarded, but it cannot be loadbalanced since no SNAT has been configured.

**Answer:** AC

#### NEW QUESTION 133

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?

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

**Answer:** D

#### NEW QUESTION 138

The interface 1.1 of the BIG-IP device has been connected to a link dedicated to traffic on VLAN 120. What should the BIG-IP Administrator do to receive traffic from the VLAN?

- A. Create a new VLAN object and set Customer Tag to 120
- B. Create a new VLAN object and assign the interface 1.1 untagged
- C. Create a new trunk object with interface 1.1 assigned
- D. Create a new trunk object and assign it to the VLAN

**Answer:** B

#### NEW QUESTION 140

Which three properties can be assigned to nodes? (Choose three.)

- A. ratio values
- B. priority values
- C. health monitors
- D. connection limits
- E. loadbalancing mode

**Answer:** ACD

#### NEW QUESTION 145

Which log file should the BIG-IP Administrator check to determine if a specific user tried to log in to the BIG-IP Configuration by utility?

- A. /var/log/pam/tally/log
- B. /var/log/secure
- C. /var/log/trn
- D. /var/log/http.d

**Answer:** B

#### NEW QUESTION 147

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.
- C. iRules can examine a server 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

**Answer:** A

#### NEW QUESTION 148

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?

- 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.

**Answer: C**

**NEW QUESTION 149**

Refer to the exhibit.



How many nodes are represented on the network map shown?

- A. Four
- B. Three
- C. One
- D. Two

**Answer: B**

**NEW QUESTION 151**

Given that VLAN failsafe is enabled on the external VLAN and the network that the active BIG-IP's external VLAN is connected to has failed, which statement is always true about the results?

- A. The active system will note the failure in the HA table.
- B. The active system will reboot and the standby system will go into active mode.
- C. The active system will failover and the standby system will go into active mode.
- D. The active system will restart the traffic management module to eliminate the possibility that BIG-IP is the cause for the network failure.

**Answer: A**

**NEW QUESTION 156**

A BIG-IP Administrator is receiving intermittent reports from users that SSL connections to the BIG-IP device are failing. Upon checking the log files, the BIG-IP Administrator notices the following error message:

ere tmm<instance>[<pid>]: 01260008:3: SSL transaction (TPS) rate limit reached

After reviewing statistics, the BIG-IP Administrator notices there are a maximum of 1200 client-side SSL TPS and a maximum of 800 server-side SSL TPS.

What is the minimum SSL license limit capacity the BIG-IP Administrator should upgrade to handle this peak?

- A. 2000
- B. 400
- C. 800
- D. 1200

**Answer: D**

**NEW QUESTION 158**

Refer to the exhibit.

```

root@(v1161) (cfg-sync Standalone) (Active) (/Common) (tmsh) # 1
itm virtual http
  destination
  ip-protocol
  last-modified
  mask 255.255.255.255
  pool LAMP12
  profiles (
    http (
      mptcp-m
      stream
    )
  )
  source 0.0.0.0
  translate-a
  translate-p
  vs-index 10
}
root@(v1161) (cfg-sync Standalone) (Active) (/Common) (tmsh) # 1
itm pool LAMP12
  members (
    10.1.20.11:http {
      address 10.1.20.11
      session monit
      state up
    }
    10.1.20.12:http {
      address 10.1.20.12
      session monit
      state up
    }
  )
  monitor tcp

```

A BIG-IP Administrator creates a new Virtual Server. The end user is unable to access the page. During troubleshooting, the administrator learns that the connection between the BIG-IP system and server is NOT set up correctly. What should the administrator do to solve this issue?

- A. Disable Address Translation
- B. Set Address Translation to Auto Map, configure a SNAT pool, and have pool members in the same subnet of the servers
- C. Set Address Translation to SNAT and configure a specific translation address
- D. Set Address Translation to SNAT and have self-IP configured in the same subnet of servers

**Answer: C**

**Explanation:**

The status of the pool can be seen that the members are all up, indicating that the network from F5 to the server is no problem, so there is no need to configure selfip on the same subnet. The monitor is normal but the access is not normal, you have to consider the problem of snat, you can configure automap or configure snat and specify snat ip.

**NEW QUESTION 160**

A BIG-IP Administrator needs to have a BIG-IP linked to two upstream switches for resilience of the external network. The network engineer who is going to configure the switch instructs the BIG-IP Administrator to configure interface binding with LACP. Which configuration should the administrator use?

- 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 162**

Which is an advantage of terminating SSL communication at the BIGIP rather than the ultimate web server?

- A. Terminating SSL at the BIG-IP can eliminate SSL processing at the web servers.
- B. Terminating SSL at IP the eliminates BIG all unencrypted traffic from the internal network.
- C. Terminating SSL at the BIG-IP eliminates the need to purchase SSL certificates from a certificate authority.
- D. Terminating SSL at the BIG-IP eliminates the need to use SSL acceleration hardware anywhere in the network.

**Answer: A**

**NEW QUESTION 164**

Assume a virtual server has a ServerSSL profile. What SSL certificates are required on the BIG-IP?

- A. No SSL certificates are required on the BIG-IP.
- B. The BIG-IP's SSL certificates must only exist.
- C. The BIG-IP's SSL certificates must be issued from a certificate authority.
- D. The BIG-IP's SSL certificates must be created within the company hosting the BIG-IPs.

**Answer:** A

**NEW QUESTION 167**

When configuring a Virtual Server to use an iRule with an HTTP\_REQUEST event, which lists required steps in a proper order to create all necessary objects?

- A. create profiles, create the iRule, create required pools, create the Virtual Server
- B. create the Virtual Server, create required pools, create the iRule, edit the Virtual Server
- C. create a custom HTTP profile, create required pools, create the Virtual Server, create the iRule
- D. create required pools, create a custom HTTP profile, create the iRule, create the Virtual Server

**Answer:** B

**NEW QUESTION 170**

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 UserAgent] 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 UserAgent, which pool will receive the request?

- A. MSIE\_pool
- B. Mozilla\_pool
- C. Non
- D. The request will be dropped.
- E. Unknow
- F. The pool cannot be determined from the information provided.

**Answer:** B

**NEW QUESTION 173**

Where is connection mirroring configured?

- A. It an option within a TCP profile.
- B. It is an optional feature of each pool.
- C. It is not configured; it is default behavior.
- D. It is an optional feature of each virtual server.

**Answer:** D

**NEW QUESTION 178**

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 179**

Which two methods can be used to determine which BIG-IP is currently active? (Choose two.)

- A. The bigtop command displays the status.
- B. Only the active system's configuration screens are active.
- C. The status (Active/Standby) is embedded in the command prompt.
- D. The ifconfig a command displays the floating addresses on the active system.

**Answer:** AC

**NEW QUESTION 180**

A standard virtual server has been associated with a pool with multiple members. Assuming all other settings are left at their defaults, which statement is always true concerning traffic processed by the virtual server?

- A. The client IP address is unchanged between the client side connection and the serverside connection.
- B. The server IP address is unchanged between the client side connection and the serverside connection.
- C. The TCP ports used in the client side connection are the same as the TCP ports serverside connection.
- D. The IP addresses used in the clientside connection are the same as the IP addresses used in the serverside connection.

**Answer:** A

**NEW QUESTION 181**

Which type of Virtual Server requires the use of a FastL4 profile?

- A. Performance (Layer 4)
- B. Stateless
- C. Performance (HTTP)

D. Standard

**Answer:** A

**NEW QUESTION 182**

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 failsafe settings
- E. MAC masquerade addresses

**Answer:** C

**NEW QUESTION 187**

Refer to the exhibit



| Virtual Server Name | Source Address | Destination Address | Port           | Profile | Mode |
|---------------------|----------------|---------------------|----------------|---------|------|
| fwd_8080_vs         | any            | 8080                | Forwarding (F) | Edit    |      |
| fwd_vs              | any            | 0 (Any)             | Forwarding (F) | Edit    |      |
| host_8080_vs        | 1.1.1.0/24     | 8080                | Standard       | Edit    |      |
| host_vs             | 1.1.1.1        | 0 (Any)             | Standard       | Edit    |      |

A connection is being established to IP 1.1.1.1 on port 8080. Which virtual server will handle the connection?

- A. fwd\_8080\_vs
- B. host\_vs
- C. host\_8080\_VS
- D. fwdvs

**Answer:** B

**NEW QUESTION 188**

A Standard Virtual Server for a web application is configured with Automap for the Source Address Translation option. The original source address of the client must be known by the backend servers. What should the BIG-IP Administrator configure to meet this requirement?

- A. The Virtual Server type as Performance (HTTP)
- B. An HTTP profile to insert the X-Forward-For header
- C. An HTTP Transparent profile
- D. A SNAT Pool with the client IP

**Answer:** B

**Explanation:**

Because it is a web application, you can insert the source IP in the xff field in the http profile.

**NEW QUESTION 192**

Assuming other failover settings are at their default state, what would occur if the failover cable were to be disconnected for five seconds and then reconnected?

- A. As long as network communication is not lost, no change will occur.
- B. Nothin
- C. Failover due to loss of voltage will not occur if the voltage is lost for less than ten seconds.
- D. When the cable is disconnected, both systems will become activ
- E. When the voltage is restored, unit two will revert to standby mode.
- F. When the cable is disconnected, both systems will become activ
- G. When the voltage is restored, both systems will maintain active mode.

**Answer:** C

**NEW QUESTION 196**

Which two statements are true about NATs? (Choose two.)

- A. NATs support UDP, TCP, and ICMP traffic.
- B. NATs can be configured with mirroring enabled or disabled.
- C. NATs provide a one-to-one mapping between IP addresses.
- D. NATs provide a many-to-one mapping between IP addresses.

**Answer:** AC

**NEW QUESTION 197**

Which process or system can be monitored by the BIG-IP system and used as a failover trigger in a redundant pair configuration?

- A. bandwidth utilization
- B. duplicate IP address
- C. CPU utilization percentage

D. VLAN communication ability

**Answer: D**

**NEW QUESTION 202**

A BIG-IP Administrator must configure the BIG-IP device to send system log messages to a remote syslog server. In addition, the log messages need to be sent over TCP for guaranteed delivery. What should the BIG-IP Administrator configure?

- A. syslog-ng
- B. Request Logging Profile
- C. HSL Logging
- D. Remote Logging

**Answer: D**

**NEW QUESTION 203**

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 via 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?

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

**Answer: D**

**NEW QUESTION 206**

A BIG-IP Administrator must determine if a Virtual Address is configured to fail over to the standby member of a device group in which area of the Configuration Utility can this be confirmed?

- A. Device Management > Traffic Groups
- B. Device Management > Devices
- C. Local Traffic > Virtual Servers
- D. Device Management > Overview

**Answer: C**

**NEW QUESTION 210**

During a high-demand traffic event, the BIG-IP Administrator needs to limit the number of new connections per second allowed to a Virtual Server. What should the administrator apply to accomplish this task?

- A. An HTTP Compression profile to the Virtual Server
- B. A connection rate limit to the Virtual Server
- C. A connection limit to the Virtual Server
- D. A OneConnect profile to the Virtual Server

**Answer: B**

**NEW QUESTION 212**

A BIG-IP Administrator needs to find which modules have been licensed for use on the BIG-IP system. In which section of the Configuration Utility can the BIG-IP Administrator find this information?

- A. System > Services
- B. System > Resource Provisioning
- C. System > Platform
- D. System > Support

**Answer: B**

**NEW QUESTION 215**

Refer to the exhibit.

Which two pool members should be chosen for a new connection? (Choose two.)

- A. 172.16.15.9.80
- B. 172.16.15.4.80
- C. 172.10.15.2.80
- D. 172.16.15.1.80
- E. 172.16.15.7.80

**Answer: BE**

**NEW QUESTION 218**

A custom HTTP monitor is failing to a pool member 10.10.3.75:8080 that serves up www.example.com. A ping works to the pool member address. The SEND string that the monitor is using is: GET/HTTP/1.1/r/n/Host.www.example.com/r/n/Connection Close/r/n/r/n

Which CLI tool syntax will show that the web server returns the correct HTTP response?

- A. curlhttp://10.10.10.3.75:8080/www.example.com/index.html
- B. curl-header 'Host:www.example.com' http://10.10.3.75:8080/
- C. tracepath 'http://www.example.com:80
- D. tracepath 10.10.3.75:8080 GET /index

**Answer: B**

**NEW QUESTION 221**

An IT support engineer needs to access and modify Virtual Servers in three partitions (Common /Banking and Dev) daily on a BIG-IP device. The company operates a Least Privilege access policy. What level of access does the IT support engineer need to ensure completion of daily roles?

- A. Manager in /common/Banking, and /Dev partitions
- B. Application Editor in /Common, /Banking, and /Dev partitions
- C. Manager in all partitions
- D. Application Editor in all partitions

**Answer: A**

**NEW QUESTION 223**

A BIG-IP Administrator has configured a BIG-IP cluster with remote user authentication against dcOl f5trn.com. Only local users can successfully log into the system. Configsync is also failing.

Which two tools should the BIG-IP Administrator use to further investigate these issues? (Choose two)

- A. ntpq
- B. pam\_timestamp\_check
- C. passwd
- D. pwck
- E. dig

**Answer: AC**

**NEW QUESTION 227**

Users report that traffic is negatively affected every time a BIG-IP device fails over. The traffic becomes stabilized after a few minutes. What should the BIG-IP Administrator do to reduce the impact of future failovers?

- A. Enable Failover Multicast Configuration
- B. Set up Failover Method to HA Order
- C. Configure MAC Masquerade
- D. Configure a global SNAT Listener

**Answer: C**

**NEW QUESTION 228**

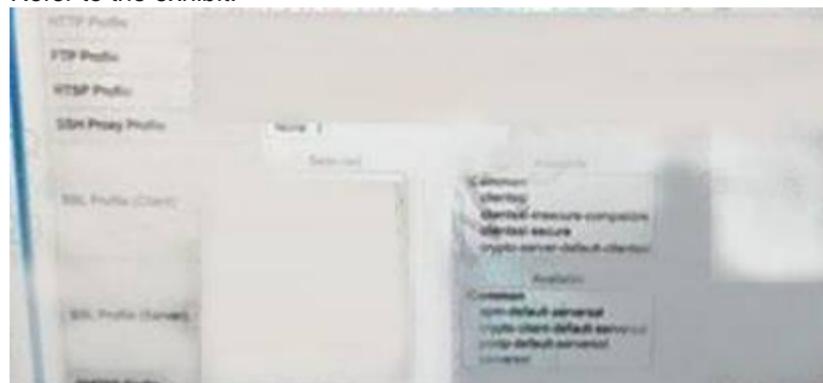
A BIG-IP Administrator configures a node with a standard icmp Health Monitor. The Node shows as DOWN although the Backend Server is configured to answer ICMP requests. Which step should the administrator take next to find the root cause of this issue?

- A. Run a curl Run a qkview
- B. Run a qkview
- C. Runatcpdump
- D. Runansldump

**Answer: C**

**NEW QUESTION 229**

Refer to the exhibit.



A BIG-IP Administrator configures a Virtual Server to handle HTTPS traffic. Users report that the application is NOT working. Which actional configuration is regard to resolve this issue?

- A. Configure SSL Profile (Client)
- B. Configure Protocol Profile (Server)
- C. Configure Service Profile HTTP
- D. Configure SSL Profile (Server)

**Answer: A**

#### NEW QUESTION 234

Which cookie persistence method requires the fewest configuration changes on the web servers to be implemented correctly?

- A. insert
- B. rewrite
- C. passive
- D. session

**Answer:** A

#### NEW QUESTION 238

Assume a virtual server is configured with a ClientSSL profile. What would the result be if the virtual server's destination port were not 443?

- A. SSL termination could not be performed if the virtual server's port was not port 443.
- B. Virtual servers with a ClientSSL profile are always configured with a destination port of 443.
- C. As long as client traffic was directed to the alternate port, the virtual server would work as intended.
- D. Since the virtual server is associated with a ClientSSL profile, it will always process traffic sent to port 443.

**Answer:** C

#### NEW QUESTION 243

A BIG-IP Administrator needs to restore a UCS file to an F5 device using the Configuration Utility. Which section of the Configuration Utility should the BIG-IP Administrator access to perform this task?

- A. Local Traffic > Virtual Servers
- B. Local Traffic > Policies
- C. System > Archives
- D. System > Configuration

**Answer:** C

#### NEW QUESTION 248

New Syslog servers have been deployed in an organization. The BIG-IP Administrator must reconfigure the BIG-IP system to send log messages to these servers. In which location in the Configuration Utility can the BIG-IP Administrator make the needed configuration changes to accomplish this?

- A. System > Logs > Configuration
- B. System > Configuration > Local Traffic
- C. System > Logs > Audit
- D. System > Configuration > Device

**Answer:** A

#### NEW QUESTION 253

The incoming client IP address is 205.12.45.52. The last five connections have been sent to members C, D, A, B, B. Given the virtual server and pool definitions and the statistics shown in the graphic, which member will be used for the next connection?

- 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

**Answer:** A

#### NEW QUESTION 256

A BIG-IP Administrator is configuring a pool with members who have differing capabilities. Connections to pool members must be load balanced appropriately. Which load balancing method should the BIG-IP Administrator use?

- A. Least Sessions
- B. Least Connections (member)
- C. Fastest (node)
- D. Weighted Least Connections (member)

**Answer:** D

#### NEW QUESTION 259

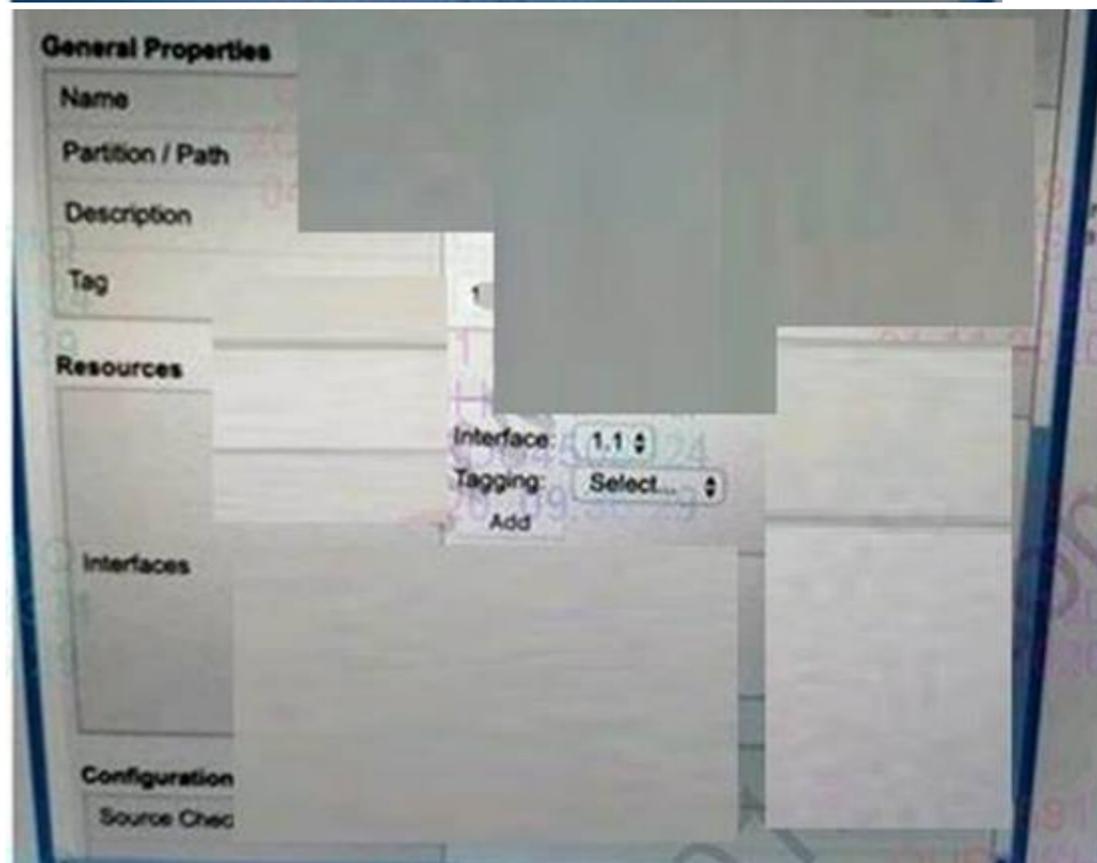
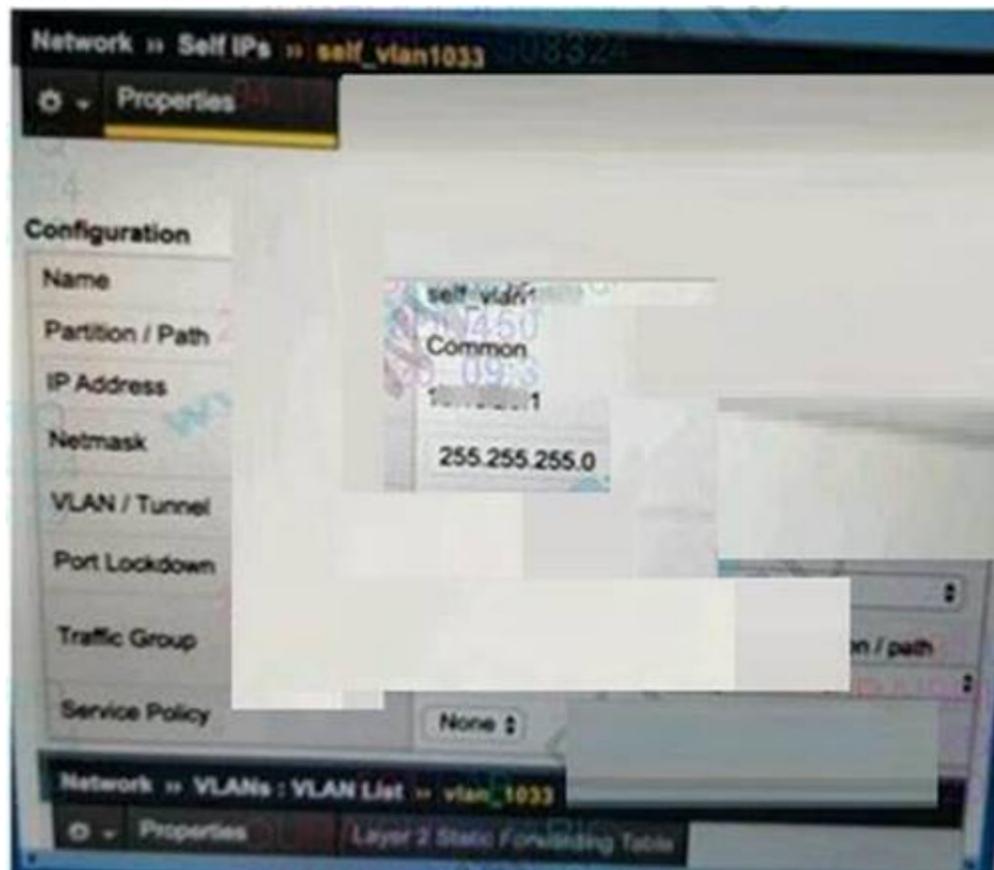
Which statement is true concerning SNATs using automap?

- A. Only specified self-IP addresses are used as automap addresses.
- B. SNATs using automap will translate all client addresses to an automap address.
- C. A SNAT using automap will preferentially use a floating self-IP over a nonfloating self-IP.
- D. A SNAT using automap can be used to translate the source address of all outgoing traffic to the same address regardless of which VLAN the traffic is sent through.

**Answer:** C

**NEW QUESTION 261**

Refer to the exhibit



The network team creates a new VLAN on the switches. The BIG-IP Administrator needs to create a configuration on the BIG-IP device. The BIG-IP Administrator creates a new VLAN and Self IP, but the servers on the new VLAN are NOT reachable from the BIG-IP device. Which action should the BIG-IP Administrators to resolve this issue?

- A. Set Port Lockdown of Set IP to Allow All
- B. Change Auto Last Hop to enabled
- C. Assign a physical interface to the new VLAN
- D. Create a Floating Set IP Address

**Answer: C**

**NEW QUESTION 265**

Which two statements are true about SNATs? (Choose two.)

- A. SNATs are enabled on all VLANs, by default.
- B. SNATs can be configured within a Profile definition.
- C. SNATs can be configured within a Virtual Server definition.
- D. SNAT's are enabled only on the VLAN where origin traffic arrives, by default.

**Answer: AC**

**NEW QUESTION 268**

The BIG-IP Administrator disable all pool members in a pool Users are still able to reach the pool members. What is allowing users to continue to reach the disabled pool members?

- A. A slow to time on Pool
- B. A persistence profile on the Virtual Server
- C. A slow ramp time on virtual Server
- D. A persistence profile on the Pool

**Answer: B**

**NEW QUESTION 271**

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 274**

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