



F5-Networks

Exam Questions 201

TMOS Administration

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NEW QUESTION 1

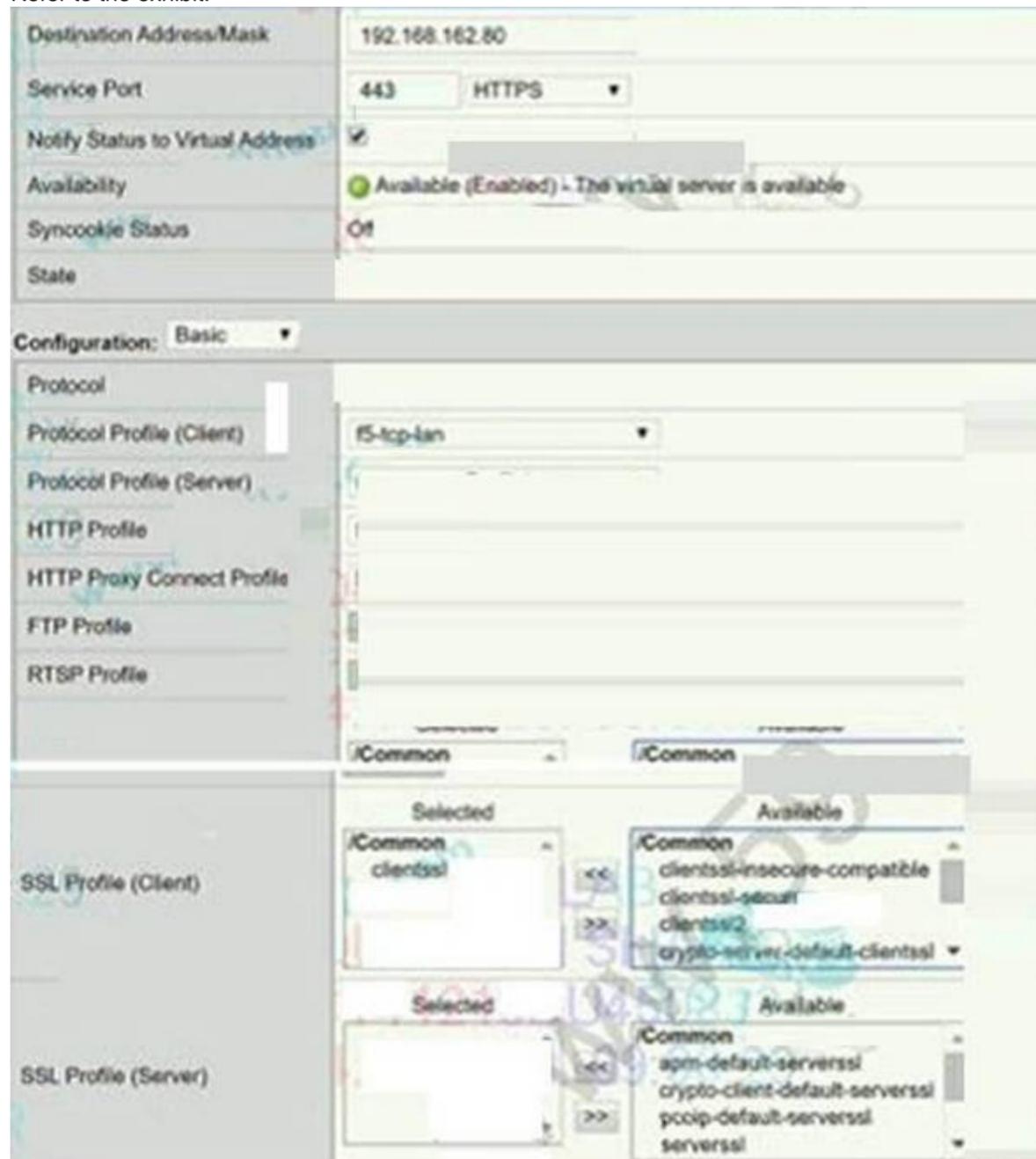
A BIG-IP device has only LTM and ASM modules provisioned. Both have nominal provisioning level. The BIG-IP Administrator wants to dedicate more resources to the LTM module. The ASM module must remain enabled. Which tmsh command should the BIG-IP Administrator execute to obtain the desired result?

- A. modify /sys provision asm level minimum
- B. modify /sys provision ltm level dedicated
- C. modify /sys provision asm level none
- D. modify /sys provision ltm level minimum

Answer: A

NEW QUESTION 2

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 3

Which statement is true concerning a functional iRule?

- A. iRules use a proprietary syntax language.
- B. iRules must contain at least one event declaration.
- C. iRules must contain at least one conditional statement.
- D. iRules must contain at least one pool assignment statement.

Answer: B

NEW QUESTION 4

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 5

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: B

NEW QUESTION 6

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 7

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 8

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 9

A site has six members in a pool. All of the servers have been designed, built, and configured with the same applications. It is known that each client's interactions vary significantly and can affect the performance of the servers. If traffic should be sent to all members on a regular basis, which loadbalancing mode is most effective if the goal is to maintain a relatively even load across all servers?

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

Answer: C

NEW QUESTION 10

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 10

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 15

Refer to the exhibit.

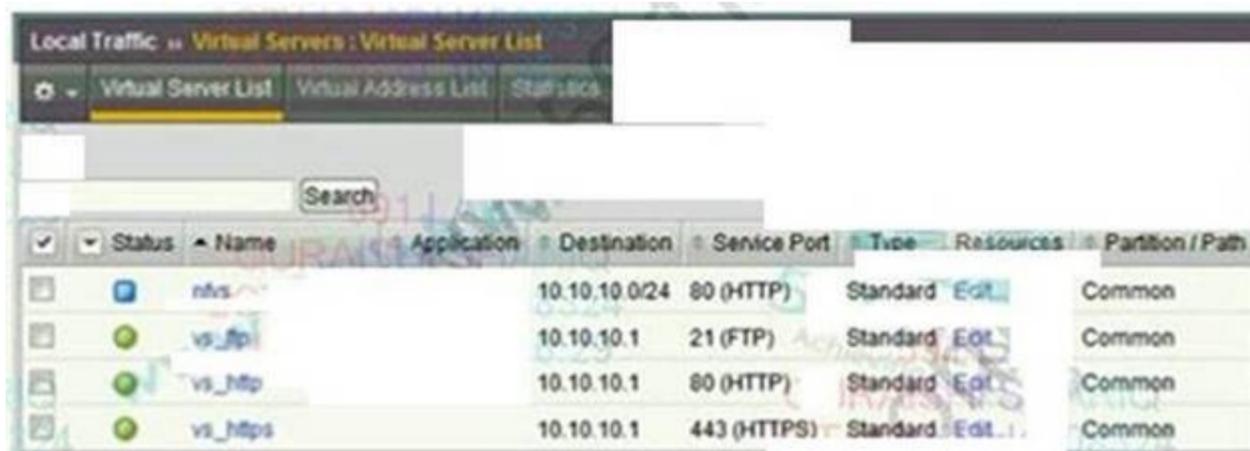
Due to a change in application requirements, a BIG-IP Administrator needs to modify the configuration of a Virtual Server to include a Fallback Persistence Profile. Which persistence profile type should the BIG-IP Administrator use for this purpose?

- A. SSL
- B. Hash
- C. Universal
- D. Source Address Affinity

Answer: D

NEW QUESTION 20

Refer to the exhibit.



Status	Name	Application	Destination	Service Port	Type	Resources	Partition / Path
On	nvfs		10.10.10.0/24	80 (HTTP)	Standard	Edit	Common
On	vs_ftps		10.10.10.1	21 (FTP)	Standard	Edit	Common
On	vs_http		10.10.10.1	80 (HTTP)	Standard	Edit	Common
On	vs_https		10.10.10.1	443 (HTTPS)	Standard	Edit	Common

A user attempts to connect to 10.10.10.1.80 using FTP over SSL with an FTPS client. Which virtual server will match and attempt to process the request?

- A. vsjtps
- B. vs_ftps
- C. vs_http
- D. nvfs

Answer: B

NEW QUESTION 23

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 24

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 27

A BIG-IP device is configured with both an internal external and two Corporate VLANs. The virtual server has SNAT enabled and is set to listen on all VLANs Auto Last Hop is disabled. The Corporate users are on 10.0.0.0/24 and 172.16.0.0/12. The BIG-IP has a Self-IP on the 1.0.0.0.0/24 subnet.

Internet users are able to access the virtual server. Only some of the Corporate users are able to connect to the virtual server A BIG-IP Administrator performs a tcpdump on the BIG-IP and verifies that traffic is arriving from users in 10.0.0.0/24.

What should the BIG-IP Administrator do to correct this behaviour?

- A. Disable the server on the internal VLAN
- B. Add a static route for the 172.16.0.0/12 subnet
- C. Change the default route to point to the extra firewall
- D. Modify the default route of the servers to point to the BIG-IP device

Answer: B

NEW QUESTION 32

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.

Answer: B

NEW QUESTION 37

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 40

A VLAN has the following objects configured:

Self-IP 10.10.10.100 with port lockdown set to Allow default Virtual server 10.10.10.100:443 with UDP profile enabled Virtual server 10.10.10.0/24 port forwarding virtual server

Global destination NAT forwarding 10.10.10.100 to internal server 172.168.10.100

Which object will process this request when <https://10.10.10.100> is entered into a browser?

- A. self-IP 10.10.10.100 with port lockdown set to Allow default
- B. virtual server 10.10.100/24 port o forwarding virtual server
- C. global destination NAT forwarding 10.10.10.100 to internal server 172.168.10.100
- D. virtual server 10.10.10.100.443 with UDP profile enabled

Answer: A

NEW QUESTION 44

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?

- 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 a Forced Offline state.
- C. Set the pool member to a Disabled state.
- D. Set the pool member to a Disabled state and manually delete existing connections through the command line.

Answer: A

NEW QUESTION 49

When network failover is enabled, which of the following is true?

- A. The failover cable status is ignore

- B. Failover is determined by the network status only.
- C. Either a network failure or loss of voltage across the failover cable will cause a failover.
- D. A network failure will not cause a failover as long as there is a voltage across the failover cable.
- E. The presence or absence of voltage over the fail over cable takes precedence over network failover.

Answer: C

NEW QUESTION 50

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 54

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 59

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 61

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 66

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

- A. rule(s)
- B. pool(s)
- C. monitor(s)
- D. node address(es)
- E. loadbalancing method(s)

Answer: AB

NEW QUESTION 71

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 72

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 76

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 78

A site wishes to perform source address translation on packets from some clients but not others. The determination is not based on the client's IP address, but on the virtual servers their packets arrive on. What could best accomplish this goal?

- A. A SNAT for all addresses could be defined, and then disable the SNAT processing for select VLANs.
- B. Some virtual servers could be associated with SNAT pools and others not associated with SNAT pools.
- C. The decision to perform source address translation is always based on VLA
- D. Thus, the goal cannot be achieved.
- E. The decision to perform source address translation is always based on a client's address (or network). Thus, this goal cannot be achieved.

Answer: B

NEW QUESTION 83

What is the purpose of MAC masquerading?

- A. to prevent ARP cache errors
- B. to minimize ARP entries on routers
- C. to minimize connection loss due to ARP cache refresh delays
- D. to allow both BIGIP devices to simultaneously use the same MAC address

Answer: C

NEW QUESTION 84

You have a pool of servers that need to be tested. All of the servers but one should be tested every 10 seconds, but one is slower and should only be tested every 20 seconds. How do you proceed?

- A. It cannot be done
- B. All monitors test every five seconds.
- C. It can be done, but will require assigning monitors to each pool member.
- D. It cannot be done
- E. All of the members of a pool must be tested at the same frequency.
- F. It can be done by assigning one monitor to the pool and a different monitor to the slower pool member.

Answer: D

NEW QUESTION 86

A BIG-IP Administrator makes a configuration change to the BIG-IP device. Which file logs the message regarding the configuration change?

- A. /var/log/messages
- B. /var/log/audit
- C. /var/log/user.log
- D. /var/log/secure

Answer: B

Explanation:

About audit logging

Audit logging is an optional feature that logs messages whenever a BIG-IP® system object, such as a virtual server or a load balancing pool, is created (that is, created, modified, or deleted). The BIG-IP system logs the messages for these auditing events in the file /var/log/audit

There are three ways that objects can be configured

- By user action
- By system action
- By loading configuration data

Whenever an object is configured in one of these ways, the BIG-IP system logs a message to the audit log

NEW QUESTION 87

A BIG-IP Administrator needs to check the memory utilization on a BIG-IP system. Which two methods can the UI IP Administrator use? (Choose two.)

- A. Run the tmsh show/sys memory command
- B. Run the tmsh show/sys traffic command
- C. Go to Statistics > Module Statistics > Traffic Summary in the configuration utility
- D. Go to Statistics > Module Statistics > Memory in the configuration utility
- E. Go to System > Disk Management in the configuration utility

Answer: AD

NEW QUESTION 91

A site needs a virtual server that will use an iRule to parse HTTPS traffic based on HTTP header values. Which two profile types must be associated with such a virtual server? (Choose two.)

- A. TCP
- B. HTTP
- C. HTTPS
- D. ServerSSL

Answer: AB

NEW QUESTION 96

A BIG-IP Administrator reviews the Plane CPU Usage performance chart and discovers a high percentage of Control Plane utilization. Which type of traffic does this indicate a higher usage of?

- A. Administrative
- B. Tunnel
- C. Accelerated ,
- D. Application

Answer: A

NEW QUESTION 101

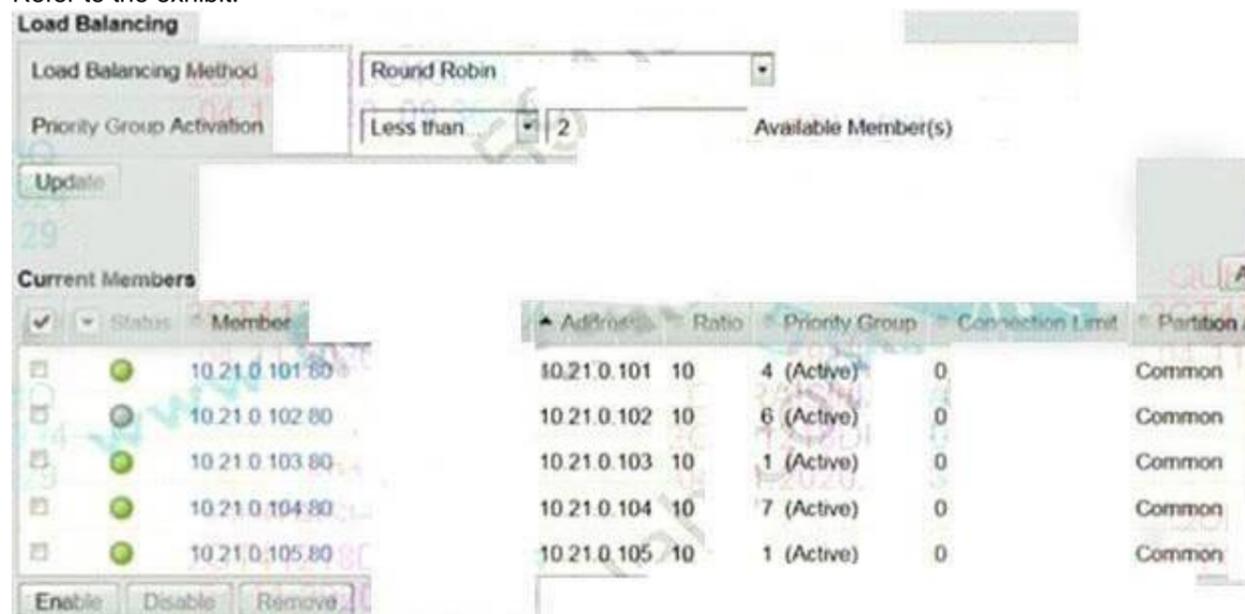
A BIG-IP Administrator needs to make sure that the automatic update check feature works properly. What must the administrator configure on the BIG-IP system?

- A. Update Check Schedule
- B. NTP servers
- C. DNS name servers
- D. SMTP servers

Answer: A

NEW QUESTION 104

Refer to the exhibit.



The screenshot shows the 'Load Balancing' configuration page. The 'Load Balancing Method' is set to 'Round Robin'. The 'Priority Group Activation' is set to 'Less than' with a value of '2' and 'Available Member(s)'. Below this is a table titled 'Current Members' with the following data:

Member	Address	Ratio	Priority Group	Connection Limit	Partition
10.21.0.101.80	10.21.0.101	10	4 (Active)	0	Common
10.21.0.102.80	10.21.0.102	10	6 (Active)	0	Common
10.21.0.103.80	10.21.0.103	10	1 (Active)	0	Common
10.21.0.104.80	10.21.0.104	10	7 (Active)	0	Common
10.21.0.105.80	10.21.0.105	10	1 (Active)	0	Common

Which two pool members are eligible to receive new connections? (Choose two)

- A. 10.21.0.102.80
- B. 10.21.0.104.80
- C. 10.21.0.105.80
- D. 10.21.0.101.80
- E. 10.21.0.103.80

Answer: BD

NEW QUESTION 105

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 110

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 111

Which Virtual Server type should be used to load balance HTTP traffic to a pool of servers?

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

Answer: A

NEW QUESTION 116

A BIG-IP Administrator needs to collect HTTP status code and HTTP method for traffic flowing through a virtual server. Which default profile provides this information?

- A. HTTP
- B. Analytics
- C. Request Adapt
- D. Statistics

Answer: A

NEW QUESTION 117

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 121

The BIG-IP Administrator generates QKView using tmsh command "qkview -SO". In which directory does the BIG-IP appliance save the QKView?

- A. /etc/tmp
- B. /var/tmp
- C. /shared/qkview
- D. /var /tmp/qkview

Answer: B

NEW QUESTION 125

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 ftpool } 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. ftpool
- 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 127

When can a single virtual server be associated with multiple profiles?

- A. Never
- B. Each virtual server has a maximum of one profile.
- C. Often
- D. Profiles work on different layers and combining profiles is common.
- E. Rarely
- F. One combination, using both the TCP and HTTP profile does occur, but it is the exception.
- G. Unlimited
- H. Profiles can work together in any combination to ensure that all traffic types are supported in a given virtual server.

Answer: B

NEW QUESTION 130

How is MAC masquerading configured?

- A. Specify the desired MAC address for each VLAN for which you want this feature enabled.
- B. Specify the desired MAC address for each selfIP address for which you want this feature enabled.
- C. Specify the desired MAC address for each VLAN on the active system and synchronize the systems.
- D. Specify the desired MAC address for each floating selfIP address for which you want this feature enabled.

Answer: A

NEW QUESTION 132

A BIG-IP Administrator opens a case with F5 Support. The support engineer requests the BIG-IP appliance chassis serial number. Which TMSH command will provide this information?

- A. `list /sys software`
- B. `show /sys version`
- C. `list /sys diags`
- D. `show /sys hardware`

Answer: D

NEW QUESTION 137

A BIG-IP has two load balancing virtual servers at 150.150.10.10:80 and 150.150.10.10:443. The port 80 virtual server has SNAT automap configured. There is also a SNAT configured 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 <https://150.150.10.10>, 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: B

NEW QUESTION 140

A new BIG-IP VE is deployed with default settings. The BIG-IP Administrator completes the setup utility in the Configuration Utility. The internal self IP address fails to respond to a ping request. What is a possible cause of this issue?

- A. Port lockdown on internal self IP is set to Allow None
- B. Route is NOT assigned to internal self IP.
- C. Internal interface VLAN is set to untagged
- D. Internal interface VLAN is set to tagged

Answer: D

NEW QUESTION 143

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 148

Refer to the exhibit.

A BIG-IP Administrator configures the Virtual Server to pass HTTP traffic. Users report that they are unable to access the application. What should the administrator do to resolve this issue?

- A. Change the Virtual Server name
- B. Disable .he State
- C. Reconfigure the Source Address
- D. Reconfigure the Pool Members

Answer: D

NEW QUESTION 150

A BIG-IP Administrator is setting up a new BIG-IP device. The network administrator reports that the interface has an incompatible media speed. The BIG-IP Administrator needs to change this setting manually.

From which location should the BIG-IP Administrator perform this task?

- A. On the Front Console
- B. In the TMOS Shell Command line
- C. In the Configuration Utility, Network > Interface
- D. In the Configuration Utility, System > Configuration

Answer: C

NEW QUESTION 154

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 159

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 164

What should the 816-IP Administrator provide when opening a new ticket with F5 Support?

- A. bigip.license file
- B. QKViewfile
- C. Device root password
- D. SSL private keys

Answer: B

NEW QUESTION 166

A user wants to use the iHealth Upgrade Advisor to determine any issues with upgrading TMOS from 13.0 to 13.1. Where can the user generate the QKView to upload to iHealth?

- A. System > Software Management
- B. System > Archives
- C. System > Configuration
- D. System > Support

Answer: D

NEW QUESTION 169

Which VLANs must be enabled for a SNAT to perform as desired (translating only desired packets)?

- A. The SNAT must be enabled for all VLANs.
- B. The SNAT must be enabled for the VLANs where desired packets leave the BIG-IP.
- C. The SNAT must be enabled for the VLANs where desired packets arrive on the BIG-IP.
- D. The SNAT must be enabled for the VLANs where desired packets arrive and leave the BIG-IP.

Answer: C

NEW QUESTION 172

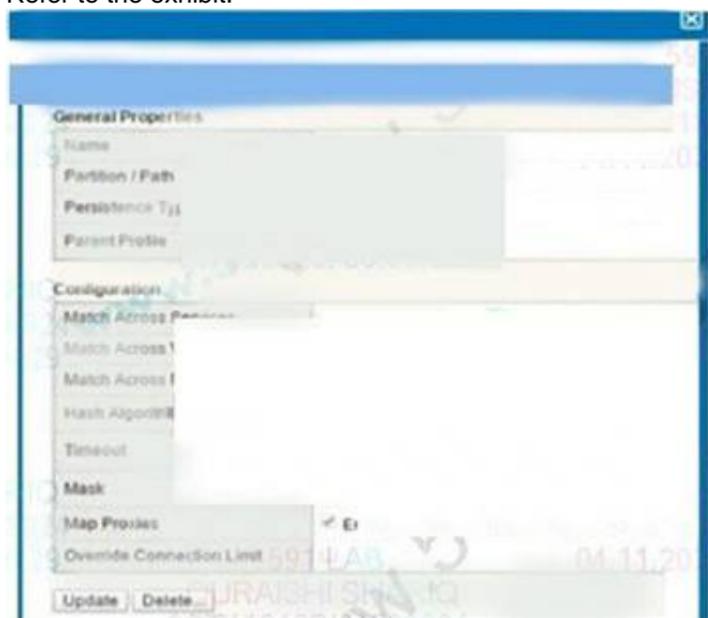
A BIG-IP Administrator uses a device group to share the workload and needs to perform service on a BIG-IP device currently active for a traffic group. The administrator needs to enable the traffic group to run on another BIG-IP device in the device group. What should the administrator do to meet the requirement?

- A. Create a new Traffic Group and then fail to Standby Unit
- B. Select Traffic Group and then select Failover
- C. Select Traffic Group and then select Force to Standby
- D. Select Traffic Group on Primary Unit and then select Demote

Answer: C

NEW QUESTION 175

Refer to the exhibit.



How long will the persistence record remain in the table?

- A. 180 seconds after the last packet
- B. 180 seconds after the initial table entry
- C. 300 seconds after the initial table entry
- D. 300 seconds after the last packet

Answer: D

NEW QUESTION 180

You need to terminate client SSL traffic at the BIG-IP and also to persist client traffic to the same pool member based on a BIG IP supplied cookie. Which four are profiles that would normally be included in the virtual server's definition? (Choose four.)

- A. TCP
- B. HTTP
- C. HTTPS
- D. ClientSSL
- E. ServerSSL
- F. CookieBased Persistence

Answer: ABDF

NEW QUESTION 184

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 185

How should a BIG-IP Administrator persistent sessions from being sent to a pool member so that the server administrator can perform maintenance?

- A. force the pool member offline
- B. disable the pool member
- C. add an additional monitor to the pool
- D. disable the virtual server

Answer: A

NEW QUESTION 190

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 195

Refer of the exhibit.

```
show /cm device bigip1.local bigip3.local
```

```
-----
CentMgmt::Device: bigip1.local
-----
```

```
-----
Hostname                bigip3.local
Mgmt Ip                  172.1.1.233
Configsync Ip           10.1.1.43
Mirroring IP             ::
Mirroring Secondary IP  ::
Failover Multicast IP   ::
Failover Unicast IP(s)  10.1.1.43
Device HA State          standby
Device HA Load Capacity  0
Device Current Load Factor 0
Device Next Active Load Factor 0
Time Delta to Local Device (sec) 12
-----
```

The 816-IP Administrator runs the command shown and observes a device trust issue between BIG-IP devices in a device group. The issue prevents config sync on device bigip3.local.

What is preventing the config sync?

- A. Next Active Load factor is 0 on bigip1.local
- B. Both devices are standby
- C. Next Active Load factor is 1 on bigip1.local
- D. Time Delta to local system is 12

Answer: A

Explanation:

Option A should be bigip3.local?. if choose bigip3.local, you should choose A.

NEW QUESTION 198

A BIG-IP Administrator is performing maintenance on the active BIG-IP device of an HA pair. The BIG-IP Administrator needs to minimize traffic disruptions.

What should the BIG-IP Administrator do to start the maintenance activity?

- A. Reboot the BIG-IP device.
- B. Move resources to a new Traffic Group.
- C. Force the BIG-IP device to standby.
- D. Disable switch ports of the BIG-IP device.

Answer: C

NEW QUESTION 199

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

- A. Syncing 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 201

The BIG-IP Administrator needs to ensure the correct health monitor is being used for a new HTTP pool named P_example. Where should the BIG-IP Administrator validate these settings in the Configuration Utility?

- A. Local Traffic > Nodes > Default Monitor
- B. Local Traffic > Profiles > Services > HTTP > http
- C. Local Traffic > Monitors > http
- D. Local Traffic > Pools > P_example

Answer: D

NEW QUESTION 204

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 a client were to initiate traffic to the NAT address, what changes, if any, would take place when the BIG-IP processes such packets?

- A. The source address would not change, but the destination address would be translated to the origin address.
- B. The destination address would not change, but the source address would be translated to the origin address.
- C. The source address would not change, but the destination address would be translated to the NAT's address.
- D. The destination address would not change, but the source address would be translated to the NAT's address.

Answer: A

NEW QUESTION 207

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 212

A BIG-IP Administrator needs to apply a health monitor for a pool of database servers named DB_Pool that uses TCP port 1521. Where should the BIG-IP Administrator apply this monitor?

- A. Local Traffic > Profiles » Protocol > TCP
- B. Local Traffic > Nodes > Default Monitor
- C. Local Traffic > Pools > De Pool > Members
- D. Local Traffic > Pools > DB Pool > Properties

Answer: D

NEW QUESTION 213

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 215

Which method is recommended for creating a new user from the CLI?

- A. Run `f5adduser username'` then `'f5passwd username'` from bash or tmsh
- B. Run `tmsh create auth user username prompt for password'` from bash
- C. edit `bigip.conf` to add the new user and the user's clear-text password
- D. Run `useradd username'` then `'passwd username'` from bash tmsh

Answer: B

NEW QUESTION 217

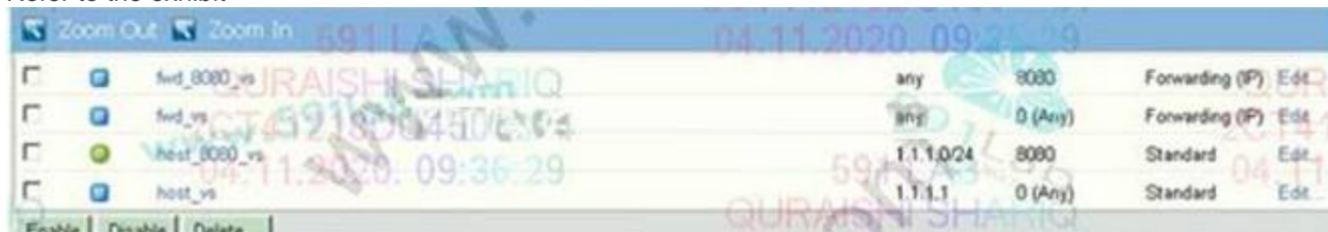
The BIG-IP Administrator configures an HTTP monitor with a specific receive string. The status is marked 'down'. Which tool should the administrator use to identify the problem?

- A. Ping
- B. Health
- C. tcpdump
- D. ifconfig

Answer: C

NEW QUESTION 220

Refer to the exhibit



Virtual Server	Address	Port	Type
fwd_8080_vs	any	8080	Forwarding (FP)
fwd_vs	any	0 (Any)	Forwarding (FP)
host_8080_vs	1.1.1.0/24	8080	Standard
host_vs	1.1.1.1	0 (Any)	Standard

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 223

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 226

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 228

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 230

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 234

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 239

Which statement accurately describes the difference between two loadbalancing modes specified as "member" and "node"?

- A. There is no difference; the two terms are referenced for backward compatibility purposes.
- B. When the loadbalancing choice references "node", priority group activation is unavailable.
- C. Loadbalancing options referencing "nodes" are available only when the pool members are defined for the "any" port.
- D. When the loadbalancing choice references "node", the addresses' parameters are used to make the loadbalancing choice rather than the member's parameters.

Answer: B

NEW QUESTION 243

A BIG-IP Administrator is creating a new Trunk on the BIG-IP device. What objects should be added to the new Trunk being created?

- A. Interfaces
- B. Network routes
- C. VLANS
- D. IP addresses

Answer: A

Explanation:

trunk is a portchannel, you need to add a physical interface.

NEW QUESTION 246

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 248

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 249

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 251

A virtual server is configured to offload SSL from a pool of backend servers. When users connect to the virtual server, they successfully establish an SSL connection but no content is displayed. A packet trace performed on the server shows that the server receives and responds to the request. What should a BIG-IP Administrator do to resolve the problem?

- A. enable Server SSL profile
- B. disable Server SSL profile
- C. disable SNAT
- D. enable SNAT

Answer: B

NEW QUESTION 255

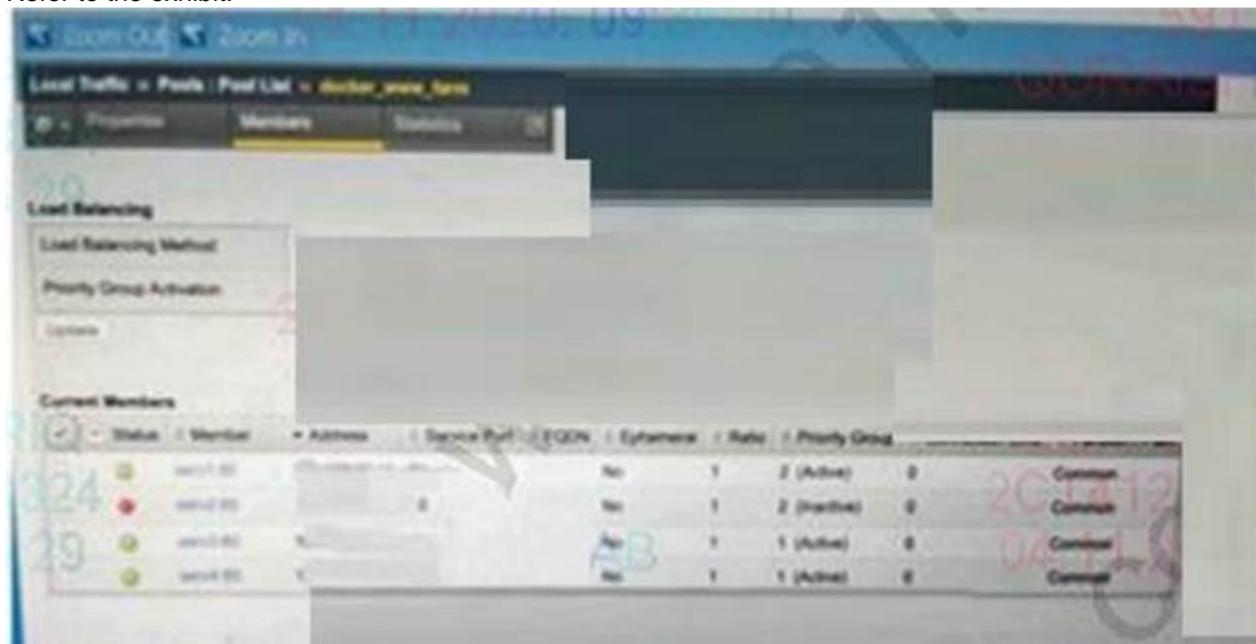
A custom HTTP monitor is failing to a pool member 10.10.3.75:8080 that serves up www.example.com. A ping works to the pool member address. The SEND string that the monitor is using is: GET/HTTP/1.1/r/n/Host:www.example.com/r/n/Connection Close/r/n/r/n Which CLI tool syntax will show that the web server 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 256

Refer to the exhibit.



Which Pool Members are receiving traffic?

- A. Serv1, serv2, serv3, serv4
- B. serv1, serv3
- C. serv1, serv3, serv4
- D. serv1

Answer: C

NEW QUESTION 261

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 263

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.

Answer: ABC

NEW QUESTION 264

A BIG-IP device sends out the following SNMP trap:

big-ipo.f5.com - bigipExternalLinkChange Link: 1.0 is DOWN

Where in the BIG-IP Configuration utility should the BIG-IP Administrator verify the current status of Link 1.0?

- A. System > Platform
- B. Network > Trunks > Trunk List
- C. Statistics > Performance > System
- D. Network > Interfaces > Interface List

Answer: D

Explanation:

1.1 is a physical interface, you can see the interface status from the physical interface in the network.

NEW QUESTION 265

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. Runanssldump

Answer: C

NEW QUESTION 269

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 271

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 273

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 275

A local user account (Users) on the BIG-IP device is assigned the User Manager role. User1 attempts to modify the properties of another account (User2), but the action fails. The BIG-IP Administrator can successfully modify the User2 account.

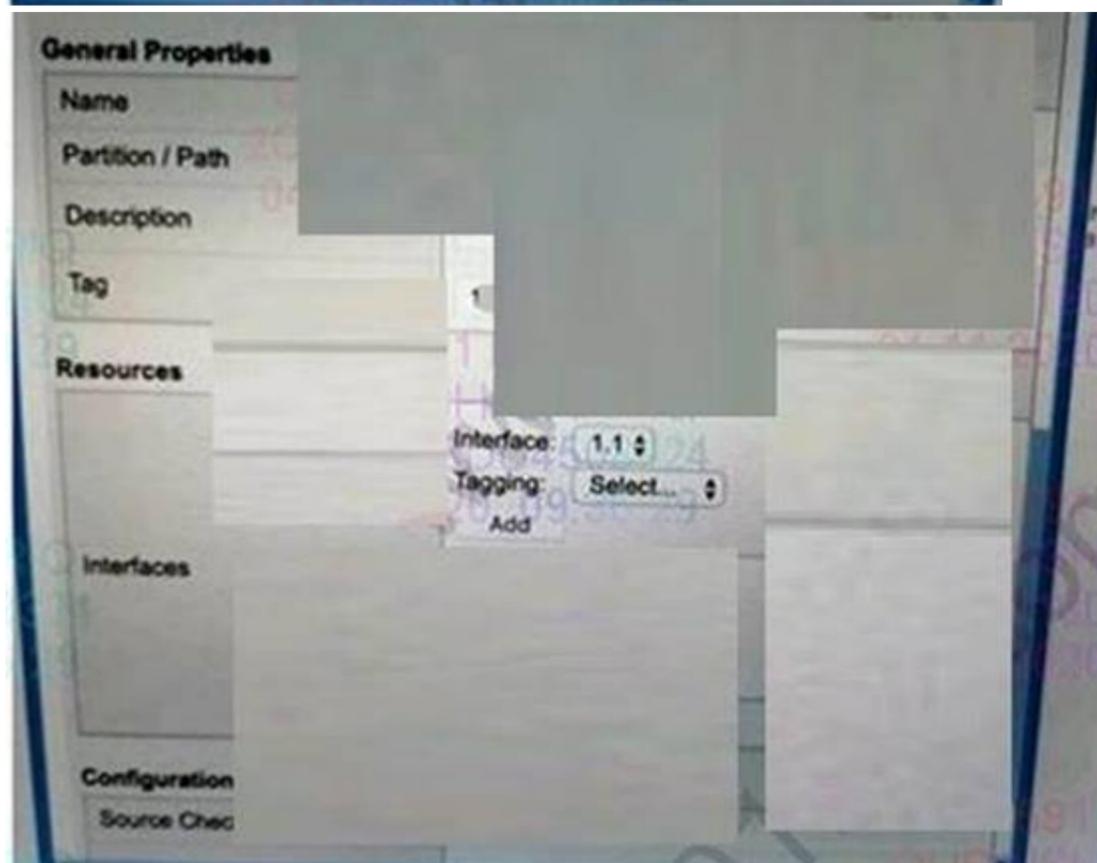
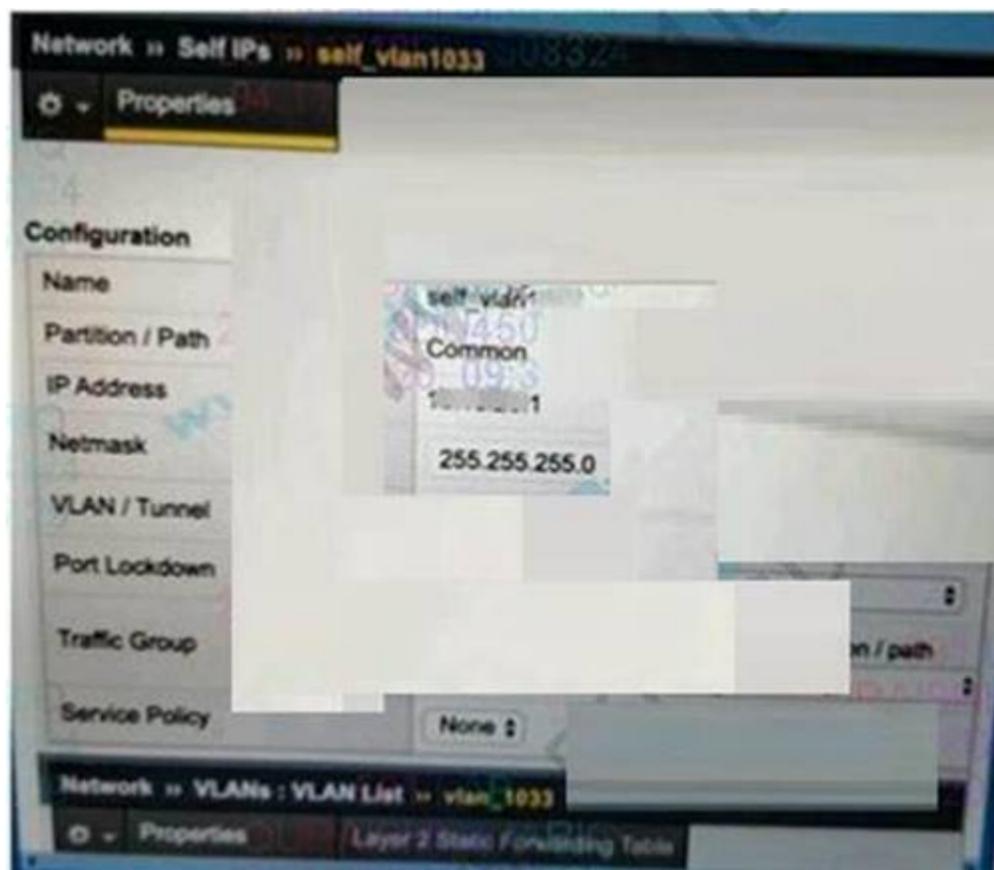
Assuming the principle of least privilege, what is the correct way to allow User 1 to modify User2 properties?

- A. Move User2 to the same partition as User1
- B. Grant User1 administrative privileges
- C. Move User to the same partition as User2.
- D. Modify the partition access for User 1

Answer: D

NEW QUESTION 276

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 277

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