

F5-Networks

Exam Questions 201

TMOS Administration



NEW QUESTION 1

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 2

A BIG-IP Administrator explicitly creates a traffic group on a BIG-IP device.

Which two types of configuration objects can be associated with this traffic group? (Choose two.)

- A. Pool Members
- B. Virtual Addresses
- C. iRules
- D. VLANS
- E. Application Instances

Answer: BE

NEW QUESTION 3

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 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

A BIG-IP Administrator configures a Virtual Server to load balance traffic between 50 web servers for an ecommerce website. Traffic is being load balanced using the Least Connections (node) method. The web server administrators report that customers are losing the contents from their shopping carts and are unable to complete their orders. What should the BIG-IP Administrator do to resolve the issue?

- A. Change Default Persistence Profile setting to cookie
- B. Change Load Balancing method to Ratio (member)
- C. Change Default Persistence Profile setting to sipjinfo
- D. Change Load Balancing method to Ratio (node)

Answer: A

NEW QUESTION 6

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 7

A BIG-IP Administrator upgrades the BIG-IP LTM to a newer software version. After the administrator reboots into the new volume, the Configuration fails to load. Why is the Configuration failing to load?

- A. The license needs to be reactivated before the upgrade.
- B. The upgrade was performed on the standby unit.
- C. A minimum of at least two reboots is required.
- D. Connectivity to the DNS server failed to be established.

Answer: A

NEW QUESTION 8

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 9

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 10

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 10

A site has assigned the ICMP monitor to all nodes and a custom monitor, based on the HTTP template, to a pool of web servers. The HTTP based monitor is working in all cases. The ICMP monitor is failing for 2 of the pool member 5 nodes. All other settings are default. What is the status of the monitor is working in all cases?

- A. All pool members are up since the HTTPbased monitor is successful.
- B. All pool members are down since the ICMPbased monitor is failing in some cases.
- C. The pool members whose nodes are failing the ICMPbased monitor will be marked disabled.
- D. The pool members whose nodes are failing the ICMPbased monitor will be marked unavailable.

Answer: D

NEW QUESTION 14

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 15

A BIG-IP Administrator discovers malicious brute-force attempts to access the BIG-IP device on the management interface via SSH. The BIG-IP Administrator needs to restrict SSH access to the management interface.

Where should this be accomplished?

- A. System > Configuration
- B. Network > Interfaces
- C. Network > Self IPs
- D. System > Platform

Answer: D

NEW QUESTION 16

Where is the loadbalancing mode specified?

- A. within the pool definition
- B. within the node definition
- C. within the virtual server definition
- D. within the pool member definition

Answer: A

NEW QUESTION 18

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 22

What is the purpose of floating self-IP addresses?

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

Answer: C

NEW QUESTION 25

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 26

An LTM device has a virtual server mapped to 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_l.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 30

A BIG-IP Administrator finds the following log entry:

tnm tmm[7141]: 011e0002:4: sweeperjupdate: aggressive mode activated. Which action should the BIG-IP Administrator to mitigate this memory issue?

- A. Configure the redundant par to be active-active
- B. Decrease the TCP profile ide Timeout value
- C. increase the TCP profile ide Timeout value
- D. Configure the serve to use Connection Mirroring

Answer: D

NEW QUESTION 32

Monitors can be assigned to which three resources? (Choose three.)

- A. NATs
- B. pools
- C. iRules
- D. nodes
- E. SNATs
- F. pool members
- G. virtual servers

Answer: BDF

NEW QUESTION 36

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 39

If a client's browser does not accept cookies, what occurs when the client connects to a virtual server using cookie persistence?

- A. The connection request is not processed.
- B. The connection request is sent to a pology server.
- C. The connection request is loadbalanced to an available pool member.
- D. The connection request is refused and the client is sent a "server not available" message.

Answer: C

NEW QUESTION 44

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 46

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 togs messages whenever a BIG-IP® system object, such as a virtual server or a load balancing pool, is confined (that is, created, modified, or deleted). The BiGIP 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 47

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 50

Refer to the exhibit

The BIG-IP Administrator is unable to access the management console via Self-IP 10.10 1.33 and port 443. What is the reason for this problem?

- A. Packet Filter needs to be configured to allow a source
- B. Self IP is configured to allow TCP All
- C. Self IP is configured to allow UDP 443
- D. Packet Filter is configured to allow port 443

Answer: C

NEW QUESTION 51

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 52

An LTM device has a virtual server mapped to www5f.com with a pool assigned. The objects are defined as follows:

Virtual server. Destination 192.168.245.100.443 netmask 255.255.255.0 Persistence: Source address persistence netmask 255.0.0.0 SNAT:AutoMap

Profiles: HnP/TCP

How should the BIG-IP Administrator modify the persistence profile so that each unique IP address creates a persistence record?

- A. netmask 0.0.0.0
- B. netmask 255.255.255.255
- C. netmask 255.255.0.0
- D. netmask 255.256.255.0

Answer: B

NEW QUESTION 54

A virtual server is listening at 10.10.1.100:any and has the following iRule associated with it: when CLIENT_ACCEPTED { if {[TCP::local_port] equals 21 } { pool ftppool } elseif {[TCP::local_port] equals 23 } { pool telnetpool } }

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

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

Answer: D

NEW QUESTION 58

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

- A. Neve
- B. Each virtual server has a maximum of one profile.
- C. Ofte
- D. Profiles work on different layers and combining profiles is common.
- E. Rarel
- F. One combination, using both the TCP and HTTP profile does occur, but it is the exception.
- G. Unlimite
- 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 61

Refer to the exhibit.

A user notifies the BIG-IP Administrator that http://remote company.com is NOT accessible. Remote access to company resources must be encrypted.

What should the BIG-IP Administrator do to fix the issue?

- A. Change the Listening Port on remote.company.com_vs to Port 80
- B. Add a Pool to the Virtual Server remote.company.com_VS
- C. Add an iRule to remote.company.com_vs to redirect Traffic to HTTPS
- D. Change the Type of the Virtual Server remote.company.com_vs to Forwarding

Answer: C

Explanation:

Requiring all traffic to be HTTPS access requires HTTP requests to be redirected directly to HTTPS.

NEW QUESTION 65

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 69

Generally speaking, should the monitor templates be used as production monitors or should they be customized prior to use.

- A. Most templates, such as http and tcp, are as effective as customized monitors.
- B. Monitor template customization is only a matter of preference, not an issue of effectiveness or performance.
- C. Most templates, such as https, should have the receive rule customized to make the monitor more robust.

D. While some templates, such as ftp, must be customized, those that can be used without modification are not improved by specific changes.

Answer: C

NEW QUESTION 71

A BIG-IP Administrator needs to view the CPU utilization of a particular Virtual Server. Which section of the Configuration Utility should the administrator use for this purpose?

- A. Statistics > Module Statistics > Local Traffic > Virtual Addresses
- B. Statistics > Module Statistics > Traffic Summary
- C. Statistics > Analytics > Process CPU Utilization
- D. Statistics > Module Statistics > Local Traffic > Virtual Servers

Answer: D

NEW QUESTION 73

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 the State
- C. Reconfigure the Source Address
- D. Reconfigure the Pool Members

Answer: D

NEW QUESTION 78

Assume a virtual server has a ServerSSL profile. What SSL certificates are required on the pool members?

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

Answer: B

NEW QUESTION 83

As a part of the Setup Utility, the administrator sets the host name for the BIG IP. What would be the result if the two systems in a redundant pair were set to the same host name?

- A. Host names do not matter in redundant pair communication.
- B. In a redundant pair, the two systems will always have the same host name.
- C. The parameter is synchronized between the systems.
- D. The first time the systems are synchronized the receiving system will be assigned the same self-IP addresses as the source system.
- E. When the administrator attempts to access the configuration utility using the host name, they will always connect to the active system.

Answer: C

NEW QUESTION 85

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 87

How should a BIG-IP Administrator prevent 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 89

A BIG-IP Administrator is working with a BIG-IP device and discovers that one of the Interfaces on a Trunk is DOWN. What is the reason for this Interface status?

- A. The switch is NOT connected to the Interface

- B. There is NO transceiver installed on the Interface
- C. There is NO default route configured for this trunk
- D. The media speed of the interface has NOT been set

Answer: A

NEW QUESTION 93

A BIG-IP Administrator contacts F5 Support, which identifies a suspected hardware failure. Which information should the BIG-IP Administrator provide to F5 Support?

- A. Qkview, EUD output
- B. Qkview, UCS archive, core files
- C. Qkview, part numbers for failed components
- D. Qkview, packet capture, UCS archive

Answer: A

NEW QUESTION 96

In the BIG-IP Configuration Utility, a user requests a single screen view to determine the status of all Virtual Servers and associated pool members, as well as any iRules in use. Where should the BIG-IP Administrator instruct the user to find this view?

- A. Local Traffic > Monitors
- B. Local Traffic > Virtual Servers
- C. Local Traffic > Network Map
- D. Statistics

Answer: C

Explanation:

Network Map can display vs and its associated pool, pool member, and irule, can be retrieved, and can be quickly linked.

NEW QUESTION 97

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 99

A virtual server is listening at 10.10.1.100:80 and has the following iRule associated with it:

```
when HTTP_REQUEST { if {[HTTP::uri] ends_with "txt" } { pool pool1 } elseif {[HTTP::uri] ends_with "php" } { pool pool2 }
```

If a user connects to <http://10.10.1.100/foo.html>, which pool will receive the request?

- A. pool1
- B. pool2
- C. Non
- D. The request will be dropped.
- E. Unknow
- F. The pool cannot be determined from the information provided.

Answer: D

NEW QUESTION 100

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 105

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 107

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 112

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

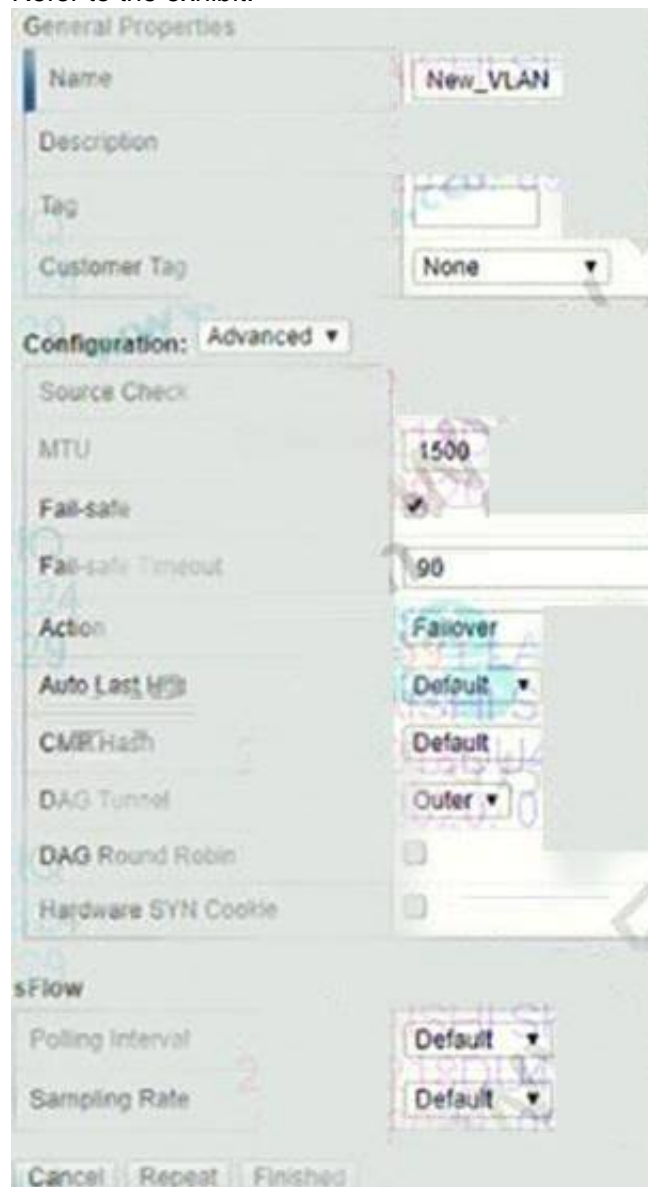
Answer: B

Explanation:

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

NEW QUESTION 117

Refer to the exhibit.



A BIG-IP Administrator configures a new VLAN on an HA pair of devices that does NOT yet have any traffic. This action causes the assigned traffic group to fail over to the standby device.

Which VLAN setting should be changed to prevent this issue?

- A. Auto Last Hop
- B. Fail-safe
- C. Customer Tag
- D. Source Check

Answer: B

NEW QUESTION 119

Which two statements are true concerning the default communication between a redundant pair of BIG-IP systems? (Choose two.)

- A. Synchronization occurs via a TCP connection using ports 683 and 684.
- B. Connection mirroring data is shared via a TCP connection using port 1028.
- C. Persistence mirroring data is shared via a TCP connection using port 1028.
- D. Connection mirroring data is shared through the serial fail over cable unless network failover is enabled.

Answer: BC

NEW QUESTION 120

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/I./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 124

One of the two members of a device group has been decommissioned. The BIG-IP Administrator tries to delete the device group, but is unsuccessful. Prior to removing the device group, which action should be performed?

- A. Disable the device group
- B. Remove all members from the device group
- C. Remove the decommissioned device from the device group
- D. Make sure all members of the device group are in sync

Answer: B

NEW QUESTION 128

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 132

A BIG-IP Administrator needs to determine which pool members in a pool have been manually forced offline and are NOT accepting any new traffic. Which status icon indicates this?

- A)
- B)
- C)
- D)

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

Answer: A

NEW QUESTION 136

A BIG-IP Administrator needs to configure the BIG-IP system to perform load balancing for FTP servers running passive mode FTP. How should the administrator configure the Virtual Server to perform this load balancing?

- A. A Standard Virtual Server + FTP profile
- B. A Forwarding Virtual Server
- C. A Performance Layer 4 Virtual Server + FTP profile
- D. A Message Routing Virtual Server

Answer: A

NEW QUESTION 140

A site needs to terminate client HTTPS traffic at the BIG-IP and forward that traffic unencrypted. Which two are profile types that must be associated with such a virtual server? (Choose two.)

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

Answer: AD

NEW QUESTION 144

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 149

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