

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 notices that one of the servers that runs an application is NOT receiving any traffic. The BIG-IP Administrator examines the configuration status of the application and observes the displayed monitor configuration and affected Pool Member status.

What is the possible cause of this issue?

- A. The Node Health Monitor is NOT responding.
- B. The application is NOT responding with the expected Receive String.
- C. HTTP 1.1 is NOT appropriate for monitoring purposes.
- D. The BIG-IP device is NOT able to reach the Pool.

Answer: A

NEW QUESTION 3

Administrative user accounts have been defined on the remote LDAP server and are unable to log in to the BIG-IP device. Which log file should the BIG-IP Administrator check to find the related messages?

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

Answer: A

NEW QUESTION 4

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 5

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 6

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 80 } { pool pool1 } elseif {[TCP::local_port] equals 443} { pool pool2 }
If a user connects to 10.10.1.100 and port 22, 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 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

Which statement is true regarding failover?

- A. Hardware failover is disabled by default.
- B. Hardware failover can be used in conjunction with network failover.
- C. If the hardware failover cable is disconnected, both BIG-IP devices will always assume the active role.
- D. By default, hardware fail over detects voltage across the failover cable and monitors traffic across the internal VLAN.

Answer: B

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

A BIG-IP Administrator plans to upgrade a BIG-IP device to the latest TMOS version.

Which two tools could the administrator leverage to verify known issues for the target versions? (Choose two.)

- A. F5 University
- B. F5 Downloads
- C. F5 End User Diagnostics (EUD)
- D. F5iHealth
- E. F5 Bug Tracker

Answer: DE

Explanation:

F5 University -- F5 learning materials F5 Downloads - iso download page

F5 End User Diagnostics (EUD) -- Hardware detection

NEW QUESTION 15

When configuring a pool member's monitor, which three association options are available? (Choose three.)

- A. inherit the pool's monitor
- B. inherit the node's monitor

- C. configure a default monitor
- D. assign a monitor to the specific member
- E. do not assign any monitor to the specific member

Answer: ADE

NEW QUESTION 20

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 23

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 24

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 29

Which Virtual Server type prevents the use of a default pool?

- A. Performance (Layer 4)
- B. Forwarding (IP)
- C. Performance HTTP
- D. Standard

Answer: B

Explanation:

Forwarding (IP) cannot be associated with the pool.

NEW QUESTION 31

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/ltm
- D. /var/log/audit

Answer: C

NEW QUESTION 33

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 36

A BIG-IP Administrator is informed that traffic on Interface 1.1 is expected to increase over the maximum bandwidth capacity on the link. There is a single VLAN on the Interface. What should the BIG-IP Administrator do to increase the total available bandwidth?

- A. Assign two Interfaces to the VLAN
- B. Set the media speed of Interface 1.1 manually
- C. Create a trunk object with two Interfaces
- D. Increase the MTU on the VLAN using Interface 1.1

Answer: C

NEW QUESTION 39

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 42

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 47

A BIG-IP Administrator needs to purchase new licenses for a BIG-IP appliance.

The administrator needs to know if a module is licensed and the memory requirement for that module. Where should the administrator view this information in the System menu?

- A. Resource Provisioning
- B. Configuration > Device
- C. Software Management
- D. Configuration >OVSDB

Answer: A

NEW QUESTION 51

Which statement is true concerning iRule events?

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

Answer: B

NEW QUESTION 53

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 54

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 56

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. Neve
- E. Licenses are permanent for the platform regardless the version of software installed.

Answer: B

NEW QUESTION 57

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 59

To increase available bandwidth of an existing Trunk, the BIG-IP Administrator is adding additional interfaces.

Which command should the BIG-IP Administrator run from within bosh shell?

- A. tmsh create /net trunk trunk_A interfaces add {1.3.1.4}
- B. tmsh create/sys trunk trunk_A interfaces add {1.3.1.4}
- C. tmsh modify/sys trunk trunk^A interfaces add {1.3.1.4}
- D. tmsh modify /net trunk trunk_A interfaces add {1.3.1.4}

Answer: D

NEW QUESTION 60

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 63

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 68

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 70

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 72

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 74

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 75

Which statement is true concerning cookie persistence?

- A. Cookie persistence allows persistence independent of IP addresses.
- B. Cookie persistence allows persistence even if the data are encrypted from client to pool member.
- C. Cookie persistence uses a cookie that stores the virtual server, pool name, and member IP address in clear text.
- D. If a client's browser accepts cookies, cookie persistence will always cause a cookie to be written to the client's file system.

Answer: A

NEW QUESTION 76

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 81

A BIG-IP Administrator needs to restore an encrypted UCS archive from the command line using the TMSH utility. Which TMSH command should the BIG-IP Administrator use to accomplish this?

- A. load/sys ucs <filepath> passphrase <password>
- B. load/sys config file <filepath> passphrase <password>
- C. load/sys config file <filepath>
- D. load/sys ucs <filepath> no-license

Answer: A

NEW QUESTION 83

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 84

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 89

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 93

Refer to the exhibit.

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 96

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 99

A web server administrator informs the BIG-IP Administrator that web servers are overloaded. Starting next month, the BIG-IP device will terminate SSL to reduce web server load. The BIG-IP device is ready using client SSL client profile and Rules on HTTP level. What actions should the BIG-IP Administrators to achieve the desired configuration?

- A. Remove the server SSL profile and configure the Pool Members to use HTTP

- B. Remove the client SSL profile and configure the Pool Members to US HTTP
- C. Remove the chart SSL profile and change the Virtual Server to accept HTTP
- D. Remove the server SSL profile and change the Virtual Server to accept HTTP traffic

Answer: A

NEW QUESTION 103

Refer to the exhibit.

The BIG-IP Administrator has modified an iRule on one device of an HA pair. The BIG-IP Administrator notices there is NO traffic on the BIG-IP device in which they are logged into.

What should the BIG-IP Administrator do to verify if the iRule works correctly?

- A. Push configuration from this device to the group and start to monitor traffic on this device
- B. Pull configuration to this device to the cluster and start to monitor traffic on this device
- C. Log in to the other device in the cluster, push configuration from it, and start to monitor traffic on that device
- D. Log in to the other device in the cluster, pull configuration to it, and start to monitor traffic on that device

Answer: D

Explanation:

The device in the picture is a standby machine, of course there is no traffic, you need to log in to the host, and then pull the configuration to the host.

NEW QUESTION 105

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 106

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](http://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 107

A virtual server at 10.10.1.100:80 has the rule listed below applied.

```
when HTTP_REQUEST { if {[HTTP::uri] ends_with "htm" } { pool pool1 } else if {[HTTP::uri] ends_with "xt" } { pool pool2 }
```

If a user connects to <http://10.10.1.100/foo.txt> 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: B

NEW QUESTION 108

A BIG-IP Administrator wants to add the ASM Module to an HA pair of BIG-IP devices. The BIG-IP Administrator has already installed a new Add-On License on both devices in the HA pair. What should the BIG-IP Administrator do next to use the module?

- A. Provision the new module on both BIG-IP device's
- B. Synchronize both BIG-IP devices
- C. Reboot both BIG-IP devices
- D. Reactivate the Licenses on both BIG IP devices

Answer: A

NEW QUESTION 113

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 116

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 117

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 122

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 don
- 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 don
- 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 126

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 127

A BIG-IP Administrator configures a Virtual Server. Users report that they always receive a TCP RST packet to the BIG-IP system when attempting to connect to it. What is the possible reason for this issue?

- A. The virtual server Type is set to Internal
- B. The virtual server Type is set to Reject
- C. The virtual server Type is set to Drop
- D. The virtual server Type is set to Stateless

Answer: B

NEW QUESTION 130

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 132

Refer to the exhibit.

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 134

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 139

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 144

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 147

A 8IG-IP device is replaced with an RMA device. The BIG-IP Administrator renews the license and tries to restore the configuration from a previously generated UCS archive on the RMA device. The device configuration is NOT fully loading. What is causing the configuration load to fail?

- A. The Device Group is NOT configured for Full Sync.
- B. The US does NOT contain the full config
- C. The clock is NOT set correctly
- D. The Master Key is NOT restored

Answer: D

NEW QUESTION 150

On the VCMP system, a BIG-IP host administrator imports a new ISO image into the host's /shared/images folder. The new ISO images that reside on the vCMP host are available for installation on the guest. How should the BIG-IP Administrator install one image from within the guest?

- A. Install the new software on the host and wait for it to automatically be installed on all guests.
- B. Run the following command on guesttmsh install sys software block-device-image image_name volume < volume_name>
- C. Run the following command on guesttmsh install sys software image image_name volume < volume_name>
- D. Run the following command on hosttmsh install sys software block-device-image image_name volume < volume_name>

Answer: D

NEW QUESTION 152

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 156

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 > Plattform
- 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 161

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 162

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 165

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 168

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 173

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 178

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 182

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 185

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 186

The ICMP monitor has been assigned to all nodes. In addition, all pools have been assigned custom monitors. The pool is marked available. If a pool is marked available (green) which situation is sufficient to cause this?

- A. All of the pool member nodes are responding to the ICMP monitor as expected.
- B. Less than 50% of the pool member nodes responded to the ICMP echo request.
- C. All of the members of the pool have had their content updated recently and their responses no longer match the monitor.
- D. Over 25% of the pool members have had their content updated and it no longer matches the receive rule of the custom monito
- E. The other respond as expected.

Answer: D

NEW QUESTION 190

Refer to the exhibit.

According to the shown Configuration Utility stings What is the setting of the User Directory configuration under the Authentication submenu?

- A. Local
- B. Managed
- C. Remote-TACACS+
- D. Default system configuration

Answer: C

NEW QUESTION 192

A Virtual Server uses an iRule to send traffic to pool members depending on the URI. The BIG-IP Administrator needs to modify the pool member in the iRule. Which event declaration does the BIG-IP Administrator need to change to accomplish this?

- A. CLIENT_ACCEPTED
- B. HTTP_RESPONSE
- C. HTTP_REQUEST
- D. SERVER_CONNECTED

Answer: C

Explanation:

According to the UR! distribution is the category of HTTP requests, need to trigger HTTP_REQUEST event.

NEW QUESTION 196

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 198

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 201

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

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

Answer: C

NEW QUESTION 205

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 206

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 209

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 211

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 215

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 218

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 220

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 222

A BIG-IP Administrator is making adjustments to an iRule and needs to identify which of the 235 virtual server configured on the BIG-IP device will be affected. How should the administrator obtain this information in an effective way?

- A. Local Traffic > Virtual Server
- B. Local traffic Pools
- C. LOCAL Traffic > Network Map
- D. Local traffic > Rules

Answer: C

NEW QUESTION 226

Where is connection mirroring configured?

- A. It is 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 229

Assume the bigd daemon fails on the active system. Which three are possible results? (Choose three.)

- A. The active system will restart the bigd daemon and continue in active mode.
- B. The active system will restart the trm daemon and continue in active mode.
- C. The active system will reboot and the standby system will go into active mode.
- D. The active system will failover and the standby system will go into active mode.
- E. The active system will continue in active mode but gather member and node state information from the standby system.

Answer: ACD

NEW QUESTION 230

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 231

A BIG-IP Administrator plans to resolve a non-critical issue with a BIG-IP device in 2 weeks. What Severity level should be assigned to this type of F5 support ticket?

- A. 4
- B. 2
- C. 3
- D. 1

Answer: A

NEW QUESTION 236

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 237

A user needs to determine known security vulnerabilities on an existing BIG-IP appliance and how to remediate these vulnerabilities. Which action should the BIG-IP Administrator recommend?

- A. Verify the TMOS version and review the release notes
- B. Create a UCS archive and upload to Health
- C. Create a UCS archive and open an F5 Support request
- D. Generate a view and upload to Heath

Answer: D

NEW QUESTION 240

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 244

Refer to the exhibit

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 247

A BIG-IP Administrator creates an HTTP Virtual Server using an iApp template. After the Virtual Server is created, the user requests to change the destination IP addresses. The BIG-IP Administrator tries to change the destination IP address from 10.1.1.1 to 10.2.1.1 in Virtual Server settings, but receives the following error: The application service must be updated using an application management interface What is causing this error?

- A. The Application Service was NOT deleted before making the IP address change.
- B. The IP addresses are already in use.
- C. The Application Services have Strict Updates enabled.
- D. The IP addresses used are NOT from the same subnet as the Self IP.

Answer: C

Explanation:

Strict Updates : Indicates whether the application service is tied to the template, so when the template is updated, the application service changes to reflect the updates.

NEW QUESTION 250

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 255

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 256

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 260

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 262

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 264

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 267

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 272

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 275

Refer to the exhibit.

The BIG-IP Administrator is investigating disk utilization on the BIG-IP device. What should the BIG-IP Administrator check next?

- A. Large files on the / file system
- B. Results from the EUD test
- C. Results from the platform diagnostics test
- D. Large files on /usr file system

Answer: A

NEW QUESTION 280

A BIG-IP Administrator creates a new VLAN on BIG-IP Cluster Member A and attaches an Interface to it. Although the Auto Config Sync is in place, the new VLAN does NOT show up on Cluster Member B. What should the BIG-IP Administrator do to ensure the new VLAN is configured on each Cluster Member?

- A. Configure the new VLAN manually on Cluster Member B.
- B. Reset the Device Trust of the BIG-IP Cluster on either Cluster Member.
- C. Configure a Default Route for the new VLAN on Cluster Member A.
- D. Enable the Interface that is attached to the new VLAN on Cluster Member A.

Answer: A

NEW QUESTION 284

A BIG-IP Administrator wants to add a new Self IP to the BIG-IP device. Which item should be assigned to the new Self IP being configured?

- A. Interface
- B. Route
- C. VLAN
- D. Trunk

Answer: C

NEW QUESTION 288

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 290

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 291

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 292

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 297

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 298

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 300

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 304

Which action will take place when a failover trigger is detected by the active system?

- A. The active device will take the action specified for the failure.
- B. The standby device also detects the failure and assumes the active role.
- C. The active device will wait for all connections to terminate and then failover.
- D. The standby device will begin processing virtual servers that have failed, but the active device will continue servicing the functional virtual servers.

Answer: A

NEW QUESTION 308

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 312

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 317

The BIG-IP Administrator needs to perform a BIG-IP device upgrade to the latest version of TMOS. Where can the administrator obtain F5 documentation on upgrade requirements?

- A. iHealth
- B. Network > Interfaces
- C. Local Traffic > Pools
- D. AsKFS
- E. Local Traffic > Virtual Servers

Answer: C

NEW QUESTION 318

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 319

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