

# 201 Dumps

## TMOS Administration

<https://www.certleader.com/201-dumps.html>



**NEW QUESTION 1**

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 2**

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

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

**Answer:** A

**Explanation:**

Slow Ramp Time

Specifies the duration during which the system sends less traffic to a newly-enabled pool member. The amount of traffic is based on the ratio of how long the pool member has been available compared to the slow ramp time, in seconds. Once the pool member has been online for a time greater than the slow ramp time, the pool member receives a full proportion of the incoming traffic. Slow ramp time is particularly useful for the least connections load balancing mode.

Setting this to a nonzero value can cause unexpected Priority Group behavior, such as load balancing to a low-priority member even with enough high-priority servers.

**NEW QUESTION 3**

A virtual server is defined per the charts. The last five client connections were to members C, D, A, B, B. Given the conditions shown in the above graphic, if a client with IP address 205.12.45.52 opens a connection to the virtual server, which member will be used for the connection.

- A. 172.16.20.1:80

- B. 172.16.20.2:80
- C. 172.16.20.3:80
- D. 172.16.20.4:80
- E. 172.16.20.5:80

**Answer:** D

#### NEW QUESTION 4

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

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

**Answer:** D

#### NEW QUESTION 5

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 6

Refer to the exhibit.

A BIG-IP Administrator needs to fail over the active device. The administrator logs into the Configuration Utility and navigates to Device Management > Traffic Group. However, Force to Standby is greyed out. What is causing this issue?

- A. The BIG-IP Administrator is NOT logged into command line to fail over
- B. The BIG-IP Administrator is on the Standby Device
- C. The BIG-IP Administrator is logged in as root
- D. The BIG-IP Administrator is logged in as administrator

**Answer:** B

#### NEW QUESTION 7

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 8

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

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

**Answer:** A

#### NEW QUESTION 9

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. FSiHealth
- 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 10

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 15

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 19

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 20

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 23

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 24**

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

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

**Answer:** C

**NEW QUESTION 25**

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

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

**Answer:** A

**NEW QUESTION 29**

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 failover 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 34**

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 36**

Which statement is true concerning iRule events?

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

**Answer:** B

**NEW QUESTION 38**

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 43**

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 45

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 47

Refer to the exhibit.

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. vsjutps
- B. vs\_ftp
- C. vs\_http
- D. nvfs

**Answer:** B

#### NEW QUESTION 52

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-P Administrator make this change?

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

**Answer:** A

#### NEW QUESTION 53

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 54**

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 58**

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 61**

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

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

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

**Answer:** C

**NEW QUESTION 66**

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

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

**Answer:** A

**NEW QUESTION 69**

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 72**

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 73**

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 75

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 78

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 79

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 83

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 88

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 91**

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 96**

An LTM device has a virtual server mapped to [www.f5.com](http://www.f5.com) with a pool assigned. Users report that when browsing, they are periodically required to re-login to [/resources/201.1.7.b.2\\_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 101**

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

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

**Answer:** CE

**NEW QUESTION 105**

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 109**

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 110**

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 114

A BIG-IP Administrator reviews the log files to determine the cause of a recent problem and finds the following entry.  
Mar 27.07.58.48 local/BIG-IP notice mcpd {5140} 010707275 Pool member 172.16.20.1.10029 monitor status down.  
What is the cause of this log message?

- A. The pool member has been disabled.
- B. The pool member has been marked as Down by the BIG-IP Administrator.
- C. The monitor attached to the pool member needs a higher timeout value.
- D. The monitor attached to the pool member has failed.

**Answer:** D

#### NEW QUESTION 116

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 117

A BIG-IP Administrator is checking the BIG-IP device for known vulnerabilities. What should the BIG-IP Administrator upload to BIG-IP iHealth for further analysis?

- A. QKView
- B. EUD
- C. UCS
- D. tcpdump

**Answer:** A

#### NEW QUESTION 118

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 122

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

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

**Answer:** C

#### NEW QUESTION 126

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 127**

A BIG-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 128**

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 130**

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

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

**Answer:** AC

**NEW QUESTION 133**

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 138**

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 142**

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 147**

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 149

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 151

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 156

A BIG-IP system has the following configuration:

- \* SNAT is set to Auto Map
  - \* There are two VLANs internal and external
  - \* Default route is pointed to the gateway on external VLAN
  - \* Self P for internal VLAN is 192.1.1.2
  - \* Self IP for external VLAN is 192.1.2.2
  - \* Floating IP addresses for internal VLAN is 192.1.1.1
  - \* Floating IP addresses for external VLAN is 192.1.2.1
  - \* The Virtual Server IP address is 192.1.1.100
- Which IP address does the BIG-IP system use first when traffic reaches the servers on the internal VLAN?

- A. 192.1.1.100
- B. 192.1.2.2
- C. 192.1.1.1
- D. 192.1.2.1

**Answer:** C

#### NEW QUESTION 158

A standard virtual server is defined with a pool and a SNAT using automap. All other settings for the virtual server are at defaults. When client traffic is processed by the BIG-IP, what will occur to the IP addresses?

- A. Traffic initiated by the pool members will have the source address translated to a self-IP address but the destination address will not be changed.
- B. Traffic initiated to the virtual server will have the destination address translated to a pool member address and the source address translated to a self-IP address.
- C. Traffic initiated by selected clients, based on their IP address, will have the source address translated to a self-IP address but the destination will only be translated if the traffic is destined to the virtual server.
- D. Traffic initiated to the virtual server will have the destination address translated to a pool member address and the source address translated to a self-IP address
- E. Traffic arriving destined to other destinations will have the source translated to a self-IP address only.

**Answer:** B

#### NEW QUESTION 159

Which statement describes a typical purpose of iRules?

- A. iRules can be used to add individual control characters to an HTTP data stream.
- B. iRules can be used to update the timers on monitors as a server load changes.
- C. iRules can examine a server response and remove it from a pool if the response is unexpected.
- D. iRules can be used to look at client requests and server responses to choose a pool member to select for load balancing

**Answer:** A

#### NEW QUESTION 163

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 165

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 166

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 168

Which three methods can be used for initial access to a BIG-IP system? (Choose three.)

- A. CLI access to the serial console port  
B. SSH access to the management port  
C. SSH access to any of the switch ports  
D. HTTP access to the management port  
E. HTTP access to any of the switch ports  
F. HTTPS access to the management port  
G. HTTPS access to any of the switch ports

**Answer:** ABF

#### NEW QUESTION 170

What should the BIG-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 174

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 URI distribution is the category of HTTP requests, need to trigger HTTP\_REQUEST event.

#### NEW QUESTION 175

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

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

**Answer:** A

**NEW QUESTION 176**

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 181**

Refer to the exhibit.

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

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

**Answer:** C

**Explanation:**

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

**NEW QUESTION 185**

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 189

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

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

**Answer:** A

#### NEW QUESTION 193

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 198

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 200

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 203

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 205

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 208**

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

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

**Answer:** A

**NEW QUESTION 212**

Refer to the exhibit.

How are new connections load balanced?

- A. To the first two members listed with the same priority group
- B. To the pool member with the least number of connections
- C. To the pool member with a high priority group value defined
- D. To the pool member with a low priority group value defined

**Answer:** B

**NEW QUESTION 216**

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 220**

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 222**

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 226**

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 228**

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 232**

Refer to the exhibit.

An LTM device has a virtual server mapped to `www.f5.com`. Users report that when they connect to `/resources/201.1.2h.l_l.com` they are unable to receive content. What is the likely cause of the issue?

- A. The pool associated with the virtual server does not have priority group activation enabled.
- B. The virtual address does not have ARP enabled.
- C. The virtual address does not have route advertising enabled.
- D. The pool associated with the virtual server is failing its health check.

**Answer:** B

**NEW QUESTION 235**

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 238**

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 241**

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 244**

A BIG-IP Administrator needs to modify a virtual server that web offload web traffic compression tasks from the target server. Which two profiles must the BIG-IP Administrator apply to a virtual server to enable compression? (Choose two)

- A. Server SSL profile
- B. Stream profile
- C. Persistence profile
- D. HTTP profile
- E. Compression profile

**Answer:** DE

**NEW QUESTION 245**

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 247**

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 250**

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 252**

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 253**

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 254**

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.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 258**

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 262**

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 267**

Refer to the exhibit.

A BIG-IP Administrator configures a Virtual Server to handle HTTPS traffic. Users report that the application is NOT working.

Which actional configuration is regard to resolve this issue?

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

**Answer:** A

**NEW QUESTION 268**

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 269**

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 270**

Refer to the exhibit. The BIG-IP Administrator needs to avoid overloading any of the Pool Members with connections, when they become active. What should the BIG-IP Administrator configure to meet this requirement?

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

**Answer:** D

**NEW QUESTION 274**

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 276**

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 279**

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 284**

A BIG-IP Administrator makes a configuration change to a Virtual Server on the Standby device of an HA pair. The HA pair is currently configured with Auto-Sync Enabled. What effect will the change have on the HA pair configuration?

- A. The change will be undone when Auto-Sync propagates the config to the HA pair.
- B. The change will be propagated next time a configuration change is made on the Active device.
- C. The change will be undone next time a configuration change is made on the Active device.
- D. The change will take effect when Auto-Sync propagates the config to the HA pair.

**Answer:** D

**NEW QUESTION 289**

A BIG-IP Administrator needs to install a HotFix on a standalone BIG-IP device, which has HD1.1 as the Active Boot Location. The BIG-IP Administrator has already re-activated the license and created an UCS archive of the configuration. In which sequence should the BIG-IP Administrator perform the remaining steps?

- A. Install HotFix in HD 1.1, Reboot the BIG-IP devic
- B. Install UCS Archive
- C. Install HotFix in HO 1.2, Install base Image in HD 1.2, Activate HD1.2
- D. Install base Image in HD1.2, Install HotFix in HD1.2, Activate HD 1.2
- E. Activate HD 1.2, Install base image in HD 1.2. Install HotFix in HD 1.2

**Answer:** C

**NEW QUESTION 290**

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

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

**Answer:** B

**NEW QUESTION 295**

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