

# Exam Questions 201

TMOS Administration

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#### NEW QUESTION 1

Which three iRule events are likely to be seen in iRules designed to select a pool for load balancing? (Choose three.)

- A. CLIENT\_DATA
- B. SERVER\_DATA
- C. HTTP\_REQUEST
- D. HTTP\_RESPONSE
- E. CLIENT\_ACCEPTED
- F. SERVER\_SELECTED
- G. SERVER\_CONNECTED

**Answer:** ACE

#### NEW QUESTION 2

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

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

**Answer:** A

#### NEW QUESTION 3

Interface 1.2 on a BIG-IP VE has a status of UNINITIALIZED. What is the reason for this status?

- A. Interface 1.2 has been added to a trunk.
- B. Interface 1.2 has NOT been assigned to a VLAN.
- C. Interface 1.2 has been disabled.
- D. No default route has been created.

**Answer:** B

#### Explanation:

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

#### NEW QUESTION 4

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 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

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 7

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 8

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 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 site is load balancing to a pool of web servers. Which statement is true concerning BIG-IP's ability to verify whether the web servers are functioning properly or not?

- A. Web server monitors can test the content of any page on the server.
- B. Web server monitors always verify the contents of the index.html page.
- C. Web server monitors can test whether the server's address is reachable, but cannot test a page's content.

D. Web server monitors can test the content of static web pages, but cannot test pages that would require the web server to dynamically build content.

**Answer:** A

#### NEW QUESTION 10

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 11

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 16

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 17

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 22

A BIG-IP Administrator configures remote authentication and needs to make sure that users can still login even when the remote authentication server is unavailable.

Which action should the BIG-IP Administrators in the remote authentication configuration to meet this requirement?

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

**Answer:** B

#### NEW QUESTION 27

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 30

The owner of a web application asks the BIG-IP Administrator to change the port that the BIG-IP device sends traffic to. This change must be made for each member in the server pool named app\_pool for their Virtual Server named app\_vs. In which area of the BIG-IP Configuration Utility should the BIG-IP Administrator make this change?

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

**Answer:** A

#### NEW QUESTION 33

A BIG-IP Administrator is unable to connect to the management interface via HTTPS. What is a possible reason for this issue?

- A. The port lockdown setting is configured to Allow None.
- B. An incorrect management route is specified.
- C. The IP address of the device used to access the management interface is NOT included in the "P Allow" list in the Configuration Utility.
- D. The IP address of the device used to access the management interface is NOT included in the "httpd Allow" list in the CLI.

**Answer:** D

#### NEW QUESTION 35

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

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

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

**Answer:** D

#### NEW QUESTION 39

You have created a custom profile named TEST2. The parent profile of TEST2 is named TEST1. If additional changes are made to TEST1, what is the effect on TEST2?

- A. All changes to TEST1 are propagated to TEST2.
- B. Some of the changes to TEST1 may propagate to TEST2.
- C. Changes to TEST1 cannot affect TEST2 once TEST2 is saved.
- D. When TEST1 is changed, the administrator is prompted and can choose whether to propagate changes to TEST2.

**Answer:** B

#### NEW QUESTION 42

Which statement is true concerning SSL termination?

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

**Answer:** A

#### NEW QUESTION 46

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 51

A development team needs to apply a software fix and troubleshoot one of its servers. The BIG-IP Administrator needs to immediately remove all connections from the BIG-IP system to the back end server. The BIG-IP Administrator checks the Virtual Server configuration and finds that a persistence profile is assigned to it.

What should the BIG-IP Administrator do to meet this requirement?

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

**Answer:** A

#### NEW QUESTION 52

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 55

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 58

How is persistence configured?

- A. Persistence is an option within each pool's definition.
- B. Persistence is a profile type; an appropriate profile is created and associated with virtual server.
- C. Persistence is a global setting; once enabled, loadbalancing choices are superceded by the persistence method that is specified.
- D. Persistence is an option for each pool membe
- E. When a pool is defined, each member's definition includes the option for persistence.

**Answer:** B

#### NEW QUESTION 63

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 66

Where is the loadbalancing mode specified?

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

**Answer:** A

#### NEW QUESTION 70

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

The BIG-IP appliance fails to boot. The BIG-IP Administrator needs to run the End User Diagnostics (EUD) utility to collect data to send to F5 Support.

Where can the BIG-IP Administrator access this utility?

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

**Answer:** A

#### NEW QUESTION 79

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 81

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 84

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 86

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

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

**Answer:** C

#### NEW QUESTION 91

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 95

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 100

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 105

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

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

**Answer:** D

#### NEW QUESTION 106

A node is a member of various pools and hosts different web applications. If a web application is unavailable, the BIG-IP appliance needs to mark the pool member down for that application pool. What should a BIG-IP Administrator deploy at the pool level to accomplish this?

- A. A UDP monitor with a custom interval/timeout
- B. A combination of ICMP + TCP monitor
- C. An HTTP monitor with custom send/receive strings
- D. A TCP monitor with a custom interval/timeout

**Answer:** C

#### Explanation:

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

#### NEW QUESTION 108

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 113

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

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

**Answer:** AD

#### NEW QUESTION 114

Refer to the exhibit.

An organization is reporting slow performance accessing their Intranet website, hosted in a public cloud. All employees use a single Proxy Server with the public IP of 104.219.110.168 to connect to the Internet. What should the BIG-IP Administrator of the Intranet website do to fix this issue?

- A. Change Source Address to 104.219.110.168/32
- B. Change Load Balancing Method to Least Connection
- C. Change Fallback Persistence Profile to source\_addr
- D. Change Default Persistence Profile to cookie

**Answer:** D

#### NEW QUESTION 116

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

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

**Answer:** A

#### NEW QUESTION 119

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 120

What is the purpose of provisioning?

- A. Provisioning allows modules that are not licensed to be fully tested.
- B. Provisioning allows modules that are licensed be granted appropriate resource levels.
- C. Provisioning allows the administrator to activate modules in nonstandard combinations.
- D. Provisioning allows the administrator to see what modules are licensed, but no user action is ever required.

**Answer:** B

#### NEW QUESTION 121

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 122

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 124

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 127

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 129

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 134**

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 138**

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 141**

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 142**

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

- A. Most templates, such as http and tcp, are as effective as customized monitors.
- B. Monitor template customization is only a matter of preference, not an issue of effectiveness or performance.
- C. Most templates, such as https, should have the receive rule customized to make the monitor more robust.
- D. While some templates, such as ftp, must be customized, those that can be used without modification are not improved by specific changes.

**Answer:** C

**NEW QUESTION 145**

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 147**

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

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

**Answer:**

D

#### NEW QUESTION 152

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 154

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 155

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 BIG-IPs.

**Answer: B**

#### NEW QUESTION 160

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 165

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 167

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 172

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 176

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 181

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 183

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 187

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 191

Where is connection mirroring configured?

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

**Answer:** D

#### NEW QUESTION 194

A BIG-IP Administrator is performing maintenance on the active BIG-IP device of an HA pair. The BIG-IP Administrator needs to minimize traffic disruptions. What should the BIG-IP Administrator do to start the maintenance activity?

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

**Answer:** C

#### NEW QUESTION 199

Assuming there are open connections through an active system's NAT and a fail over occurs, by default, what happens to those connections?

- A. All open connections will be lost.
- B. All open connections will be maintained.
- C. The "Mirror" option must be chosen on the NAT and the setting synchronized prior to the connection establishment.
- D. Longlived connections such as Telnet and FTP will be maintained while shortlived connections such as HTTP will be lost.
- E. All open connections are lost, but new connections are initiated by the newly active BIG IP, resulting in minimal client downtime.

**Answer:** B

#### NEW QUESTION 201

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 204

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 206

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 211

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 215

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 216

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 221

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. AskF5
- B. DevCentral
- C. Bug Tracker
- D. iHealth

**Answer:** A

#### NEW QUESTION 226

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 228**

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

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

**Answer:** A

**Explanation:**

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

**NEW QUESTION 230**

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 233**

Refer to the exhibit.

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

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

**Answer:** BE

**NEW QUESTION 236**

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 240**

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 242

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 246

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 251

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

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

**Answer:** C

#### NEW QUESTION 254

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 259

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

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

**Answer:** C

#### NEW QUESTION 260

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

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

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

**Answer:**

D

#### NEW QUESTION 263

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

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

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

**Answer:** A

#### NEW QUESTION 267

Which statement is true concerning SNATs using automap?

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

**Answer:** C

#### NEW QUESTION 268

Which must be sent to the license server to generate a new license?

- A. the system's dossier
- B. the system's host name
- C. the system's base license
- D. the system's purchase order number

**Answer:** A

#### NEW QUESTION 272

Refer to the exhibit

The network team creates a new VLAN on the switches. The BIG-IP Administrator needs to create a configuration on the BIG-IP device. The BIG-IP Administrator creates a new VLAN and Self IP, but the servers on the new VLAN are NOT reachable from the BIG-IP device.

Which action should the BIG-IP Administrators to resolve this issue?

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

**Answer:** C

#### NEW QUESTION 277

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

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

**Answer:** AC

#### NEW QUESTION 281

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 283

The BIG-IP Administrator disable all pool members in a pool Users are still able to reach the pool members.

What is allowing users to continue to reach the disabled pool members?

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

**Answer:** B

#### NEW QUESTION 288

A BIG-IP Administrator applied the latest hotfix to an inactive boot location by mistake, and needs to downgrade back to the previous hotfix. What should the BIG-IP Administrator do to change the boot location to the previous hotfix?

- A. Uninstall the newest hotfix and reinstall the previous hotfix
- B. Reinstall the base version and install the previous hotfix
- C. Reinstall the previous hotfix and re-activate the license
- D. Uninstall the base version and restore the UCS

**Answer:** B

#### NEW QUESTION 292

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