

# Exam Questions 201

TMOS Administration

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### NEW QUESTION 1

A BIG-IP Administrator adds new Pool Members into an existing, highly utilized pool. Soon after, there are reports that the application is failing to load for some users. What pool level setting should the BIG-IP Administrator check?

- A. Availability Requirement
- B. Allow SNAT
- C. Action On Service Down
- D. Slow Ramp Time

**Answer: D**

#### Explanation:

Option ABC is a global configuration, has nothing to do with the new pool member, select D after excluding

### NEW QUESTION 2

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



What is the possible cause of this issue?

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

**Answer: A**

### NEW QUESTION 3

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

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

**Answer: A**

### NEW QUESTION 4

A BIG-IP Administrator defines a device Self IP . The Self IP is NOT reachable from the network. What should the BIG-IP Administrator verify first?

- A. The correct interface has been selected.
- B. The correct VLAN has been selected.
- C. Verify if auto last hop is disabled.
- D. The correct Trunk has been selected.

**Answer: B**

### NEW QUESTION 5

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 6

Refer to the exhibit.

A BIG-IP Administrator needs to deploy an application on the BIG-IP system to perform SSL offload and re-encrypt the traffic to pool members. During testing, users are unable to connect to the application. What must the BIG-IP Administrator do to resolve the issue?

- A. Remove the configured SSL Profile (Client)
- B. Configure Protocol Profile (Server) as split-session-default-tcp
- C. Enable Forward Proxy in the SSL Profile (Client)
- D. Configure an SSL Profile (Server)

Answer: D

#### Explanation:

According to the requirements of the subject, the client and server must be configured with ssl profile.

### NEW QUESTION 7

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 8

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 9**

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 10**

A BIG-IP Administrator configures a Virtual Server to load balance traffic between 50 web servers for an ecommerce website. Traffic is being load balanced using the Least Connections (node) method.

The web server administrators report that customers are losing the contents from their shopping carts and are unable to complete their orders.

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

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

**Answer:** A

**NEW QUESTION 10**

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. Unknown
- F. The pool cannot be determined from the information provided.

**Answer:** D

**NEW QUESTION 11**

Some users who connect to a busy Virtual Server have connections reset by the BIG-IP system. Pool member resources are NOT a factor in this behavior. What is a possible cause for this behavior?

- A. The Connection Rate Limit is set too high
- B. The server SSL Profile has NOT been reconfigured.
- C. The Connection Limit is set too low.
- D. The Rewrite Profile has NOT been configured.

**Answer:** C

**Explanation:**

The topic explains that the connection reset behavior is caused by the vs configuration rather than the server resource problem. The answers B C are all configuration at the service forwarding level. If there is a problem with the configuration, it is all a problem rather than some users. Answer C's Connection Limit will cause a reset behavior when the connection reaches the threshold.

**NEW QUESTION 12**

A BIG-IP Administrator sees the following error message in /var/log/ltm 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 17**

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, unchcck the license box, and click restore
- C. From the CLI with command(tmos)« tmsh load /sys ucs <ucs filename> no-license
- D. From the GUI, select the UCS file and click restore

**Answer:** A

#### NEW QUESTION 22

What is the status of a pool member when manual resume is enabled and a health check first fails and then passes?

- A. Offline (Disabled)
- B. Offline (Enabled)
- C. Available (Disabled)
- D. Available (Enabled)

**Answer:** A

#### NEW QUESTION 25

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 29

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 30

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 33

Refer to the exhibit.



Why is the virtual server responsive to incoming connections?

- A. The pool member is disabled
- B. The pool member monitor failed
- C. The node is disabled.
- D. The node monitor failed

**Answer:** B

#### NEW QUESTION 37

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 38

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

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

**Answer:** B

#### Explanation:

Forwarding (IP) cannot be associated with the pool.

#### NEW QUESTION 43

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 46

The current status of a given pool member is unknown. Which condition could explain that state?

- A. The member has no monitor assigned to it.
- B. The member has a monitor assigned to it and the most recent monitor was successful.
- C. The member has a monitor assigned to it and the monitor did not succeed during the most recent timeout period.
- D. The member's node has a monitor assigned to it and the monitor did not succeed during the most recent timeout period.

**Answer:** A

#### NEW QUESTION 51

A BIG-IP Administrator is conducting maintenance on one BIG-IP appliance in an HA Pair. Why should the BIG-IP Administrator put the appliance into FORCED\_OFFLINE state?

- A. To preserve existing connections to Virtual Servers and reduce the CPU load
- B. To allow new connections to Virtual Servers and ensure the appliance becomes active
- C. To terminate connections to the management IP and decrease persistent connections
- D. To terminate existing connections to Virtual Servers and prevent the appliance from becoming active

**Answer:** D

#### NEW QUESTION 54

A set of servers is used for an FTP application as well as an HTTP website via separate BIG-IP Pools. The server support team reports that some servers are receiving a lot more traffic than others.

Which Load Balancing Method should the BIG-IP Administrator apply to even out the connection count?

- A. Ratio (Member)
- B. Least Connections (Member)
- C. Least Connections (Node)
- D. Ratio (Node)

**Answer:** C

#### Explanation:

The connection is required to be balanced, and the unit is the server and the application port is the unit, so it is node.

#### NEW QUESTION 55

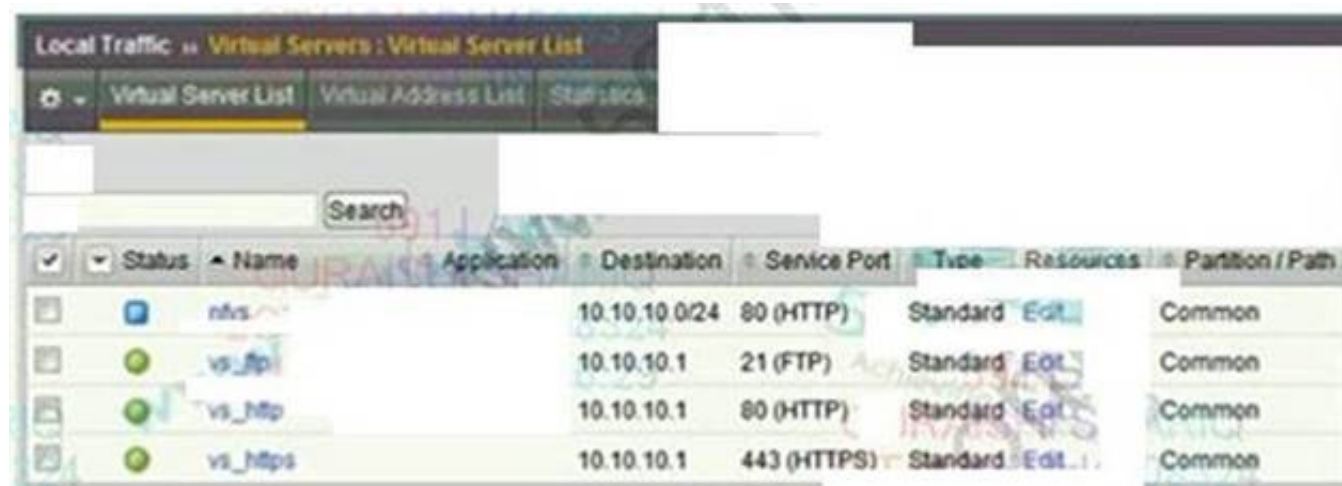
Which statement is true about the synchronization process, as performed by the Configuration Utility or by typing `b config sync all`?

- A. The process should always be run from the standby system.
- B. The process should always be run from the system with the latest configuration.
- C. The two `/config/bigip.conf` configuration files are synchronized (made identical) each time the process is run.
- D. Multiple files, including `/config/bigip.conf` and `/config/bigip_base.conf`, are synchronized (made identical) each time the process is run.

**Answer:** C

#### NEW QUESTION 57

Refer to the exhibit.



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

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

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

**Answer: B**

#### NEW QUESTION 59

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 61

The current status of a given pool is offline (red). Which condition could explain that state? Assume the descriptions below include all monitors assigned for each scenario.

- A. No monitors are currently assigned to any pool, member or node.
- B. The pool has a monitor assigned to it, and none of the pool members passed the test.
- C. The pool has a monitor assigned to it, and only some of the pool's members passed the test.
- D. A monitor is assigned to all nodes and all nodes have passed the test.
- E. The pool's members have no specific monitor assigned to them.

**Answer: B**

#### NEW QUESTION 62

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 67

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 71

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 73

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 member
- E. When a pool is defined, each member's definition includes the option for persistence.

**Answer:** B

#### NEW QUESTION 77

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 81

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 85

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 86

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 90

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 92

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

- A. rule(s)
- B. pool(s)

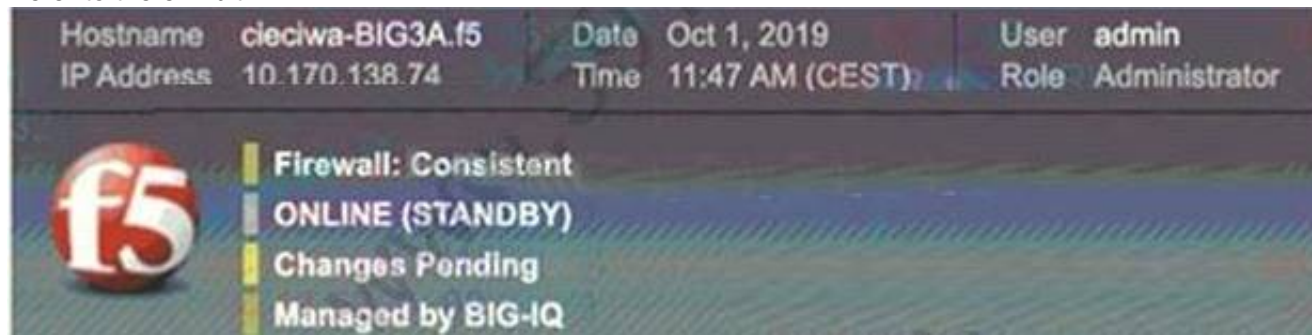


- C. monitor(s)
- D. node address(es)
- E. loadbalancing method(s)

**Answer:** AB

#### NEW QUESTION 96

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 101

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 104

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 105

An LTM device has a virtual server mapped to www.f5.com with a pool assigned. Users report that when browsing, they are periodically required to re-login to /resources/201.1.7.b.2\_l.com. The objects are defined as follows:

Virtual server. Destination 192.168.245.100:443 netmask 255.255.255.0 Persistence: SSL session persistence

Profiles: HTTP/TCP

Which persistence method should the BIG-IP Administrator apply to resolve this issue?

- A. Source address affinity
- B. hexadecimal
- C. SIP
- D. Destination address affinity

**Answer:** A

#### NEW QUESTION 107

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 112

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

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

**Answer:** A

#### NEW QUESTION 115

A BIG-IP Administrator finds the following log entry:

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

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

**Answer:** D

#### NEW QUESTION 119

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 120

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 123

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

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

**Answer:** C

#### NEW QUESTION 125

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

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

**Answer:** B

#### Explanation:

About audit logging

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

There are three ways that objects can be configured

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

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

#### NEW QUESTION 127

A BIG-IP Administrator 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 130

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

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

**Answer: AB**

#### NEW QUESTION 134

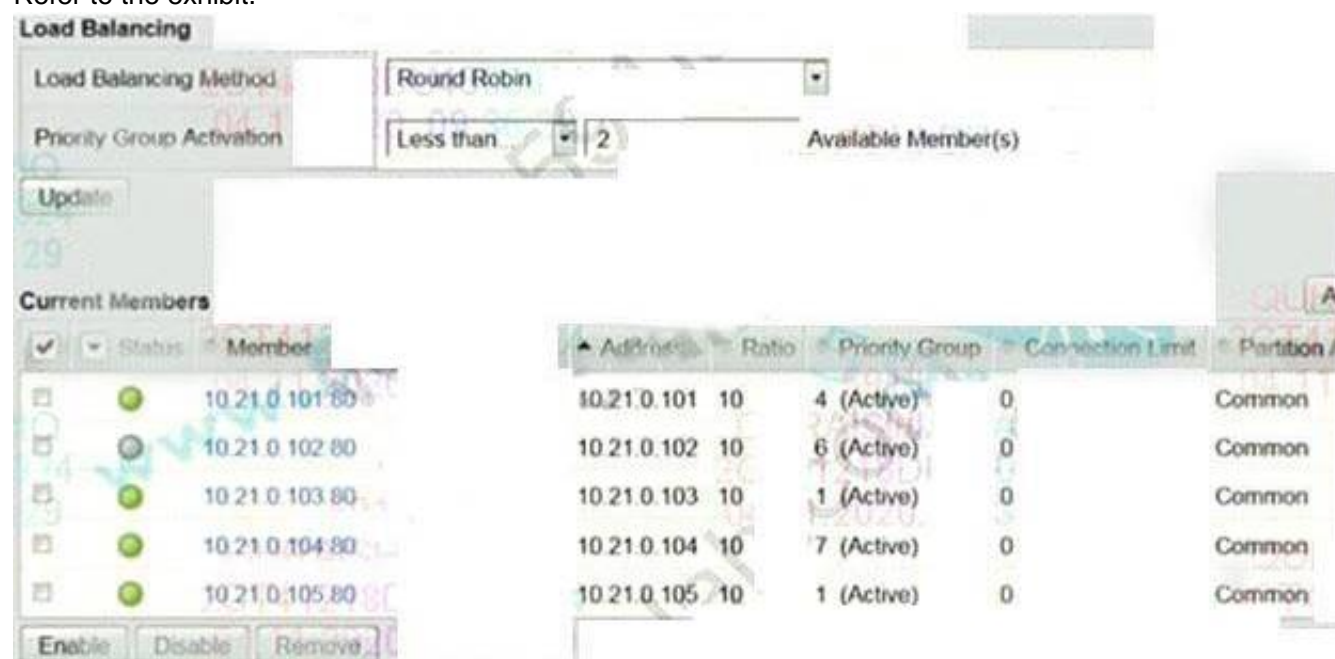
A BIG-IP Administrator needs to make sure that the automatic update check feature works properly. What must the administrator configure on the BIG-IP system?

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

**Answer: A**

#### NEW QUESTION 139

Refer to the exhibit.



Address	Ratio	Priority Group	Connection Limit	Partition
10.21.0.101	10	4 (Active)	0	Common
10.21.0.102	10	6 (Active)	0	Common
10.21.0.103	10	1 (Active)	0	Common
10.21.0.104	10	7 (Active)	0	Common
10.21.0.105	10	1 (Active)	0	Common

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

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

**Answer: BD**

#### NEW QUESTION 142

A BIG-IP Administrator needs to apply a license to the BIG-IP system to increase the user count from the base license. Which steps should the BIG-IP Administrator?

- A. System License > Re-activate> Add-On Registration> Edit
- B. System > License > Re-activate > Base Registration> Edit
- C. Device Management > Devices > Select BIG-IP System > Update
- D. System > Configuration > Device > General

**Answer: A**

#### NEW QUESTION 143

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 146

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 151

When initially configuring the BIG-IP system using the config utility, which two parameters can be set? (Choose two.)

- A. the netmask of the SCCP
- B. the IP address of the SCCP
- C. the port lockdown settings for the SCCP
- D. the netmask of the host via the management port
- E. the IP address of the host via the management port
- F. the port lockdown settings for the host via the management port

**Answer:** DE

#### NEW QUESTION 155

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 158

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 159

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

Virtual server. Destination 192.168.245.100.443 netmask 255.255.255.0 Persistence: Source address persistence netmask 255.0.0.0 SNAT:AutoMap Profiles: HnP/TCP

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

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

**Answer:** B

#### NEW QUESTION 164

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 166

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 167

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 171

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 173

Refer to the exhibit.

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

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

**Answer:** D

#### NEW QUESTION 176

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 178

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 179

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

- A. bigip.license file



- B. QKViewfile
- C. Device root password
- D. SSL private keys

**Answer:** B

#### NEW QUESTION 181

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 186

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 191

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

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

**Answer:** C

#### Explanation:

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

#### NEW QUESTION 195

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 200

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

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 208

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

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

**Answer:** ACD

#### NEW QUESTION 213

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 214

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

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

**Answer:** A

#### NEW QUESTION 215

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 225

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 229

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 233

For a given Virtual Server, the BIG-IP must perform SSL Offload and negotiate secure communication over TLSv1.2 only. What should the BIG-IP Administrator do to meet this requirement?

- A. Configure a custom SSL Profile (Client) and select no TLSv1 in the options list
- B. Configure a custom SSL Profile (Client) with a custom TLSV1.2 cipher string
- C. Configure a custom SSL Profile (Server) and select no TLSv1 in the options list
- D. Configure a custom SSL Profile (Server) with a custom TLSV1.2 cipher string

**Answer:** B

#### Explanation:

no TLSv1 only disables TLS1.0, TLS1.1 is still used and does not meet the requirements.

#### NEW QUESTION 235

A BIG-IP Administrator assigns the default http health monitor to a pool that has three members listening on port 80. When the administrator connects to each pool member via the CURL utility, two of the members respond with a status of 404 Not Found while the third responds with 200 OK. What will the pool show for member availability?

- A. All members offline.
- B. Two members offline and one member online.
- C. Two members online and one member offline.
- D. All members online.

**Answer:** D

#### NEW QUESTION 236

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 237

A virtual server is defined using a source address based persistence profile. The last five connections were A, B, C, A, C. Given the conditions shown in the 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. 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:** B

#### NEW QUESTION 240

During a high-demand traffic event, the BIG-IP Administrator needs to limit the number of new connections per second allowed to a Virtual Server. What should the administrator apply to accomplish this task?

- A. An HTTP Compression profile to the Virtual Server
- B. A connection rate limit to the Virtual Server
- C. A connection limit to the Virtual Server
- D. A OneConnect profile to the Virtual Server

**Answer:** B

#### NEW QUESTION 244

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 245

Refer to the exhibit.

Check	Status	Member	Address	Service Port	EQDN	Endpoint	Rate	Priority Group
<input checked="" type="checkbox"/>	Active	serv1	10.10.10.10	80	No	1	2 (Active)	Common
<input type="checkbox"/>	Inactive	serv2	10.10.10.11	80	No	1	2 (Inactive)	Common
<input checked="" type="checkbox"/>	Active	serv3	10.10.10.12	80	No	1	1 (Active)	Common
<input type="checkbox"/>	Inactive	serv4	10.10.10.13	80	No	1	1 (Inactive)	Common

Which Pool Members are receiving traffic?

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

**Answer: C**

#### NEW QUESTION 250

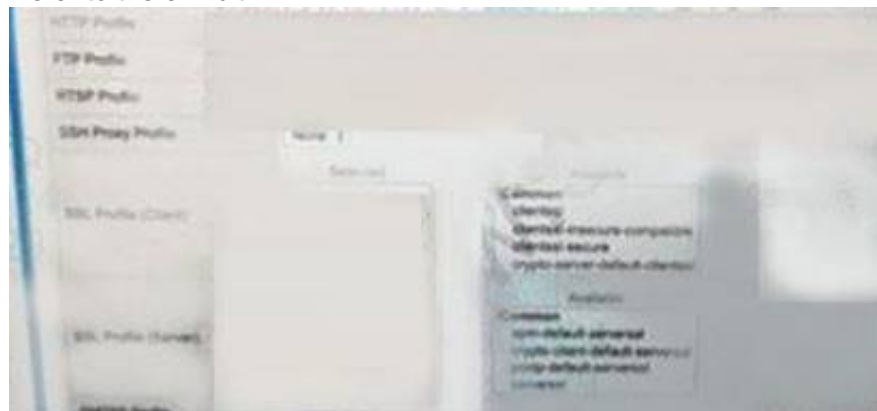
An IT support engineer needs to access and modify Virtual Servers in three partitions (Common /Banking and Dev) daily on a BIG-IP device. The company operates a Least Privilege access policy. What level of access does the IT support engineer need to ensure completion of daily roles?

- 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 252

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 255

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 256

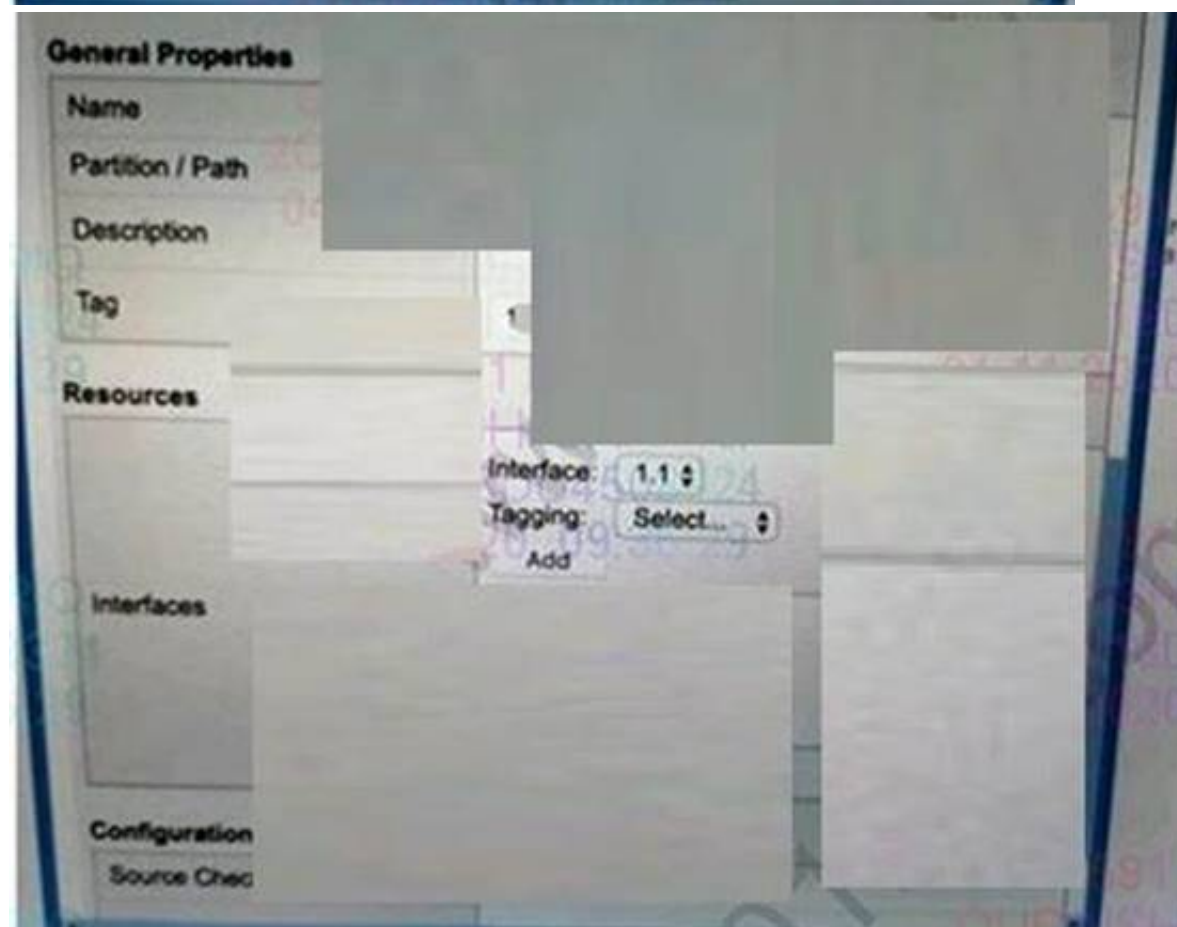
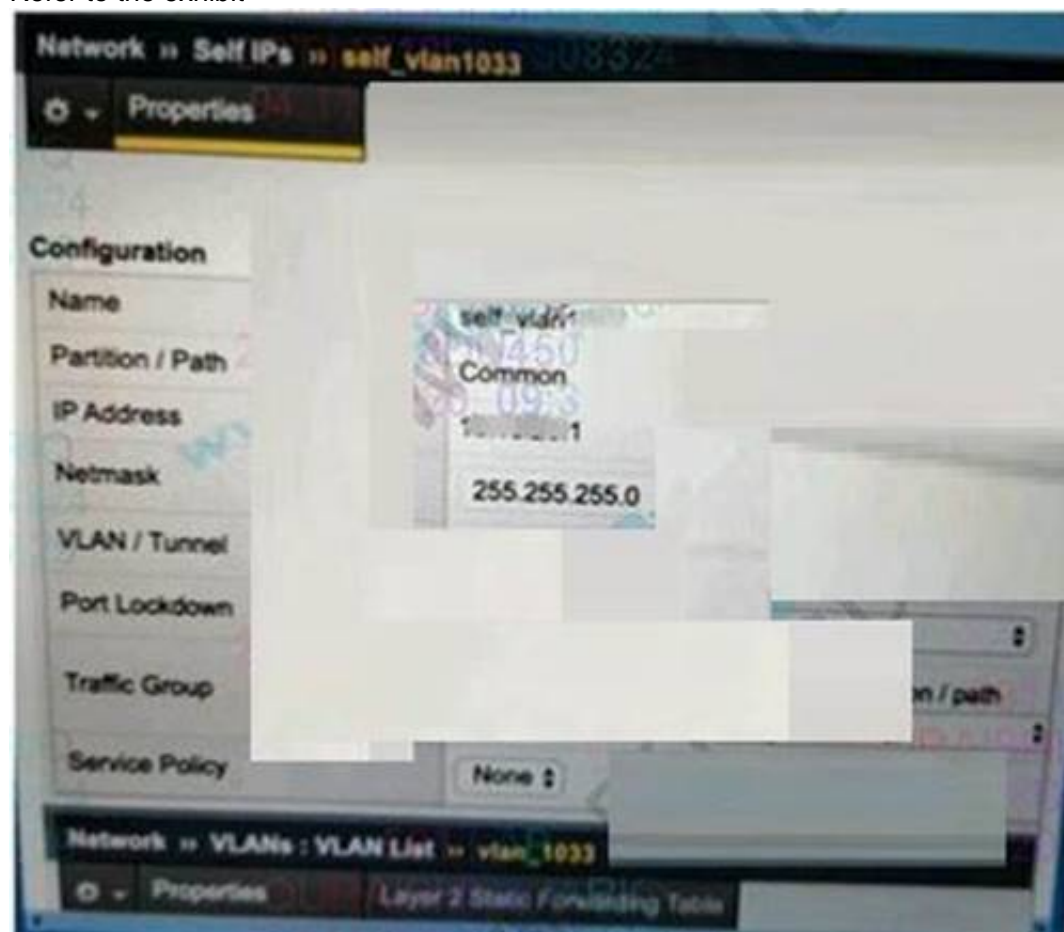
A BIG-IP Administrator is configuring a pool with members who have differing capabilities. Connections to pool members must be load balanced appropriately. Which load balancing method should the BIG-IP Administrator use?

- A. Least Sessions
- B. Least Connections (member)
- C. Fastest (node)
- D. Weighted Least Connections (member)

**Answer: D**

#### NEW QUESTION 261

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 263

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 266

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 device
- B. Install UCS Archive
- C. Install HotFix in HD 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 269

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

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

**Answer:** AD

#### NEW QUESTION 271

What is required for a virtual server to support clients whose traffic arrives on the internal VLAN and pool members whose traffic arrives on the external VLAN?

- A. That support is never available.
- B. The virtual server must be enabled for both VLANs.
- C. The virtual server must be enabled on the internal VLAN.
- D. The virtual server must be enabled on the external VLAN.

**Answer:** C

#### NEW QUESTION 272

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