

201 Dumps

TMOS Administration

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



NEW QUESTION 1

A BIG-IP Administrator uses backend servers to host multiple services per server. There are multiple virtual servers and pools defined, referencing the same backend servers.

Which load balancing algorithm is most appropriate to have an equal number of connections on each backend server?

- A. Least Connections (member)
- B. Least Connections (node)
- C. Predictive (member)
- D. Predictive (node)

Answer: B

Explanation:

The same set of servers provides multiple services, that is, using different ports to provide different services at the same time. The stem requirement is based on server connection balancing, not server + port, so it is node.

NEW QUESTION 2

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 3

Which statement is true concerning a functional iRule?

- A. iRules use a proprietary syntax language.
- B. iRules must contain at least one event declaration.
- C. iRules must contain at least one conditional statement.
- D. iRules must contain at least one pool assignment statement.

Answer: B

NEW QUESTION 4

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 5

Where is persistence mirroring configured?

- A. It is always enabled.
- B. It is part of a pool definition.
- C. It is part of a profile definition.
- D. It is part of a virtual server definition.

Answer: C

NEW QUESTION 6

A site has six members in a pool. All of the servers have been designed, built, and configured with the same applications. It is known that each client's interactions vary significantly and can affect the performance of the servers. If traffic should be sent to all members on a regular basis, which loadbalancing mode is most effective if the goal is to maintain a relatively even load across all servers?

- A. Ratio
- B. Priority
- C. Observed
- D. Round Robin

Answer: C

NEW QUESTION 7

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

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

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

Answer: A

NEW QUESTION 8

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 9

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 10

A BIG-IP device is configured with both an internal external and two Corporate VLANs. The virtual server has SNAT enabled and is set to listen on all VLANs Auto Last Hop is disabled. The Corporate users are on 10.0.0.0/24 and 172.16.0.0/12. The BIG-IP has a Self-IP on the 1.0.0.0.0/24 subnet.

Internet users are able to access the virtual server. Only some of the Corporate users are able to connect to the virtual server A BIG-IP Administrator performs a `tcpdump` on the BIG-IP and verifies that traffic is arriving from users in 10.0.0.0/24.

What should the BIG-IP Administrator do to correct this behaviour?

- A. Disable the server on the internal VLAN
- B. Add a static route for the 172.16.0.0/12 subnet
- C. Change the default route to point to the extra firewall
- D. Modify the default route of the servers to point to the BIG-IP device

Answer: B

NEW QUESTION 10

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 15

Which event is always triggered when a client initially connects to a virtual server configured with an HTTP profile?

- A. HTTP_DATA
- B. CLIENT_DATA
- C. HTTP_REQUEST
- D. CLIENT_ACCEPTED

Answer: D

NEW QUESTION 20

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 24

Assuming that systems are synchronized, which action could take place if the fail over cable is connected correctly and working properly, but the systems cannot communicate over the network due to external network problems?

- A. If network failover is enabled, the standby system will assume the active mode.
- B. Whether or not network failover is enabled, the standby system will stay in standby mode.
- C. Whether or not network failover is enabled, the standby system will assume the active mode.
- D. If network failover is enabled, the standby system will go into active mode but only until the network recovers.

Answer: B

NEW QUESTION 26

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

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

Profiles: HTTP/TCP

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

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

Answer: A

NEW QUESTION 30

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

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

If a user connects to http://10.10.1.100/foo.txt which pool will receive the request?

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

Answer: B

NEW QUESTION 31

A site wishes to perform source address translation on packets from some clients but not others. The determination is not based on the client's IP address, but on the virtual servers their packets arrive on. What could best accomplish this goal?

- A. A SNAT for all addresses could be defined, and then disable the SNAT processing for select VLANs.
- B. Some virtual servers could be associated with SNAT pools and others not associated with SNAT pools.
- C. The decision to perform source address translation is always based on VLA
- D. Thus, the goal cannot be achieved.
- E. The decision to perform source address translation is always based on a client's address (or network).Thus, this goal cannot be achieved.

Answer: B

NEW QUESTION 35

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 39

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 40

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

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

Answer: D

NEW QUESTION 41

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 46

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 49

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 50

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 53

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

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

Answer: C

NEW QUESTION 56

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

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

Answer: C

Explanation:

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

NEW QUESTION 59

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 61

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

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

Answer: C

NEW QUESTION 63

A BIG-IP Administrator uses a device group to share the workload and needs to perform service on a BIG-IP device currently active for a traffic group. The administrator needs to enable the traffic group to run on another BIG-IP device in the device group. What should the administrator do to meet the requirement?

- A. Create a new Traffic Group and then fail to Standby Unit
- B. Select Traffic Group and then select Failover
- C. Select Traffic Group and then select Force to Standby
- D. Select Traffic Group on Primary Unit and then select Demote

Answer: C

NEW QUESTION 66

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

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

Answer: A

NEW QUESTION 71

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 75

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 76

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

when HTTP_REQUEST { if {[HTTP::uri] ends_with "txt" } { pool pool1 } elseif {[HTTP::uri] ends_with "php" } { pool pool2 }
If a user connects to http://10.10.1.100/foo.html, which pool will receive the request?

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

Answer: D

NEW QUESTION 81

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 85

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

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

Answer: D

NEW QUESTION 86

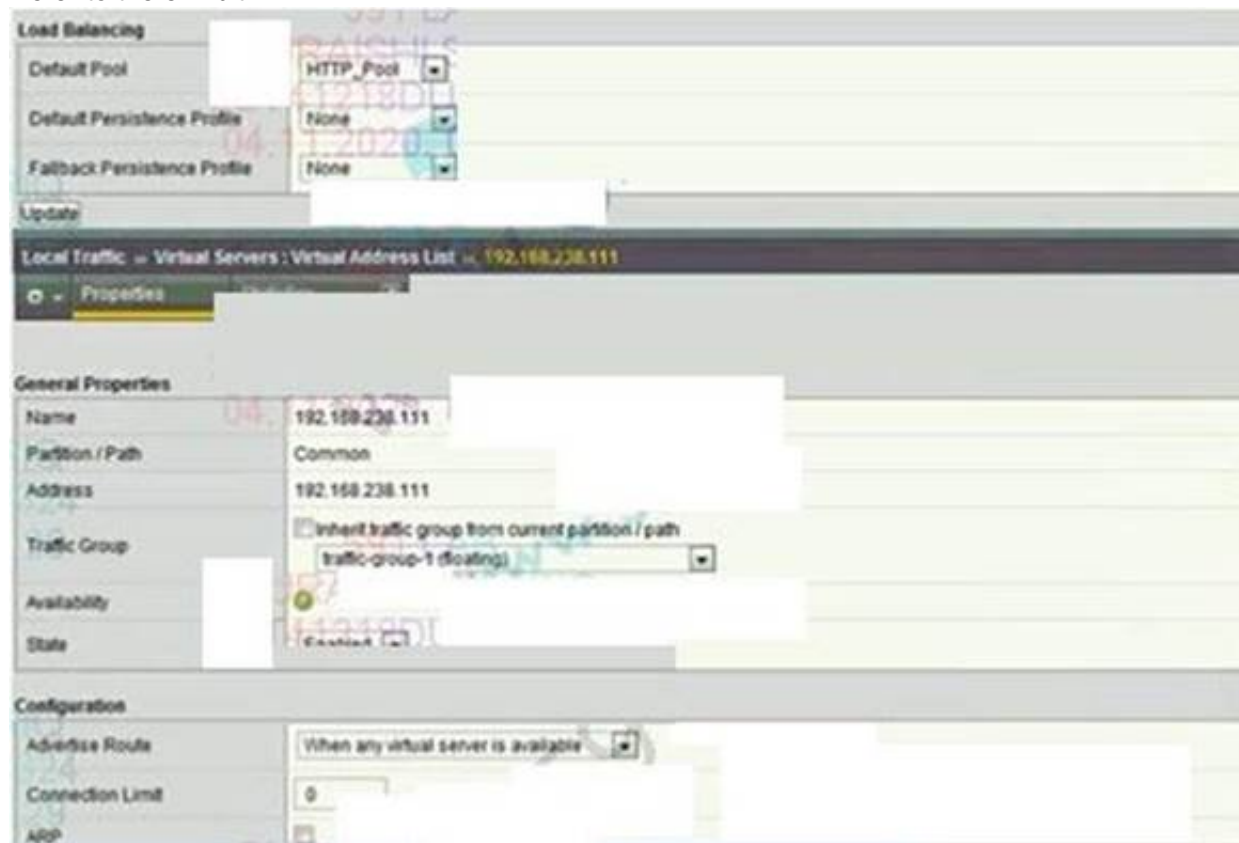
Which type of Virtual Server requires the use of a FastL4 profile?

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

Answer: A

NEW QUESTION 91

Refer to the exhibit.



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

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

Answer: B

NEW QUESTION 94

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 96

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 100

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 103

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 104

Refer to the exhibit.

Filesystem	Size	Used	Avail	Use%	Mounted on
/dev/md4	427M	427M	0	100%	/
none	16G	2.3M	16G	1%	/dev/shm
/dev/md6	3.2G	78M	2.9G	3%	/config
/dev/md5	4.0G	3.1G	696M	82%	/usr
/dev/md7	3.0G	663M	2.2G	24%	/var
/dev/md1	30G	7.6G	21G	27%	/shared
/dev/md2	6.9G	191M	6.4G	3%	/var/log
none	16G	51M	16G	1%	/shared/rrd.1.2
none	16G	21M	16G	1%	/var/tmstat
none	16G	1.6M	16G	1%	/var/run
prompt	4.0M	28K	4.0M	1%	/var/prompt
none	16G	0	16G	0%	/var/loipc

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 108

A virtual server is configured to offload SSL from a pool of backend servers. When users connect to the virtual server, they successfully establish an SSL connection but no content is displayed. A packet trace performed on the server shows that the server receives and responds to the request. What should a BIG-IP Administrator do to resolve the problem?

- A. enable Server SSL profile
- B. disable Server SSL profile
- C. disable SNAT
- D. enable SNAT

Answer: B

NEW QUESTION 112

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

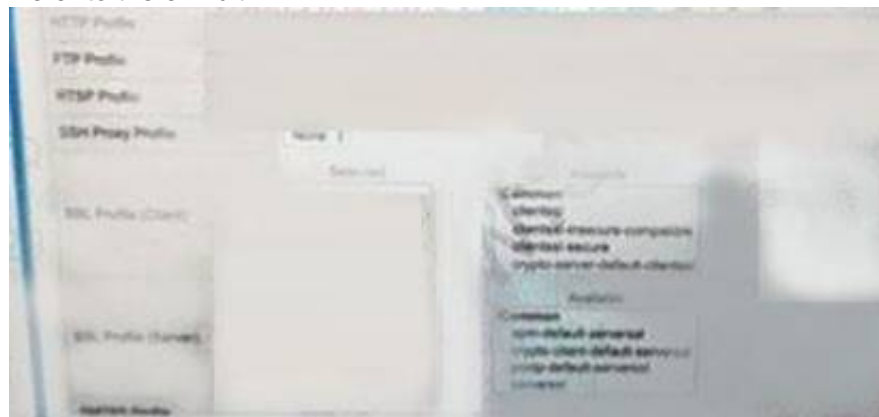
Answer: D

Explanation:

1.1 is a physical interface, you can see the interface status from the physical interface in the network.

NEW QUESTION 113

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 114

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

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

Answer: A

NEW QUESTION 115

Which cookie persistence method requires the fewest configuration changes on the web servers to be implemented correctly?

- A. insert
- B. rewrite
- C. passive
- D. session

Answer: A

NEW QUESTION 120

New Syslog servers have been deployed in an organization. The BIG-IP Administrator must reconfigure the BIG-IP system to send log messages to these servers. In which location in the Configuration Utility can the BIG-IP Administrator make the needed configuration changes to accomplish this?

- A. System > Logs > Configuration
- B. System > Configuration > Local Traffic
- C. System > Logs > Audit

D. System > Configuration > Device

Answer: A

NEW QUESTION 122

The incoming client IP address is 205.12.45.52. The last five connections have been sent to members C, D, A, B, B. Given the virtual server and pool definitions and the statistics shown in the graphic, which member will be used for the next connection?

- A. 10.10.20.1:80
- B. 10.10.20.2:80
- C. 10.10.20.3:80
- D. 10.10.20.4:80
- E. 10.10.20.5:80

Answer: A

NEW QUESTION 126

Which two statements describe differences between the active and standby systems? (Choose two.)

- A. Monitors are performed only by the active system.
- B. Failover triggers only cause changes on the active system.
- C. Virtual server addresses are hosted only by the active system.
- D. Configuration changes can only be made on the active system.
- E. Floating selfIP addresses are hosted only by the active system.

Answer: CE

NEW QUESTION 128

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

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

Answer: A

NEW QUESTION 129

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 131

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 136

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 141

The BIG-IP Administrator disables 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 145

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