



# **F5-Networks**

## **Exam Questions 101**

Application Delivery Fundamentals

#### NEW QUESTION 1

What describes the third "A" in the common authentication acronym AAA?

- A. provides redundancy
- B. measures usage against an identity
- C. provides user filtered access
- D. ensures the correct identity

**Answer:** C

#### NEW QUESTION 2

in which scenario is a full proxy TCP connection required?

- A. when DNS load balancing is performed
- B. When source NAT is demanded
- C. when the client source IP address is sent to the server
- D. when the client and server connection are decoupled

**Answer:** D

#### NEW QUESTION 3

- A)
- B)
- C)

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

**Answer:** A

#### NEW QUESTION 4

What does the HTTP status code 404 mean?

- A. Not Acceptable
- B. Forbidden
- C. Request Timeout
- D. Not found

**Answer:** D

#### NEW QUESTION 5

An administrator needs to assess an LTM for potential configuration issues and required security updates. Which F5 website can automate this task?

- A. addf5f5.com
- B. ihealth5.com
- C. Devcentral f5.ccom
- D. www.f5.Com

**Answer:** B

#### Explanation:

<https://www.f5.com/services/support/support-offerings/big-ip-ihealth-diagnostic-tool>

#### NEW QUESTION 6

An administrator needs to allow secure access to application within the corporate data center for remote office, branch office and mobile employees. Which F5 product provides this functionally?

- A. APM

- B. ASM
- C. GTM
- D. AFM

**Answer:** A

#### NEW QUESTION 7

Client A from the 192. 162. 168.0. 0 0/24 network wants to send a Ping to Client B on 10.10.10..0/24.

The Default Gateway from Client A IS 192.168.0. 1  
The MAC Address of Client A is 00 11. 11. 11. 11  
The MAC Address of client B is 00.22 22.22.22  
The MAC Address of Default Gateway is 00. 33.33. 33. 33  
What is the destination MAC Address of the ping packet when it leaves client A interface card?

- A. 00. 11. 11. 11. 11
- B. f1. f1. f1. f1. f1
- C. 00.33. 33. 33. 33
- D. 00. 22. 22. 22. 22

**Answer:** C

#### NEW QUESTION 8

The administrator wants client request to be directed to the same pool member through the session based on the client IP address.  
Which persistence method should the administrator choose?

- A. SSL persistence
- B. destination address affinity persistence
- C. cookie persistence
- D. Source address affinity persistence

**Answer:** D

#### NEW QUESTION 9

Which OSI layer provides reliable transmission of frames between adjacent nodes and is built on top of the provides reliable transmission of frames adjacent nodes and is built on top of the Physical layer?

- A. Data link
- B. Transport
- C. Network
- D. Application

**Answer:** A

#### NEW QUESTION 10

What is the correct procedure to comply with the recommendation?

- A. Download the product version image from ihealth f5 com
- B. Download the product version image from support 6 com
- C. Download the product version image from devcentral f5.com
- D. Download the product version image from downloads f5.com

**Answer:** D

#### NEW QUESTION 10

An organization needs to cryptographically sign its domains. Which F5 product provides this functionality?

- A. GTM
- B. LTM
- C. ASM
- D. APM

**Answer:** A

#### Explanation:

<https://devcentral.f5.com/articles/the-tNg-ip-gtm-configuring-dnssec>

#### NEW QUESTION 12

What are two examples of failover capabilities of BIG-IP? (Choose two )

- A. failing over based on an over temperature alarm
- B. failing over serial cable based on electric failure code
- C. II failing over network connection based on heartbeat detection
- D. fading over network connection based on SNMP error
- E. failing over serial cable based on voltage detection

**Answer:** CE

#### NEW QUESTION 14

Which FTP mode should be used by a client behind a firewall that has no special configurator?

- A. Passive FTP
- B. Secure FTP
- C. Active FTP
- D. Protected FTP

**Answer:** A

#### NEW QUESTION 19

Which HTTP response code is returned when a web server requires authentication to access a resource?

- A. 500
- B. 401
- C. 302
- D. 100

**Answer:** B

#### NEW QUESTION 21

Which command should a BIG-IP Administrator use to resolve the domain www. F5.com?

- A. grep
- B. ping
- C. dig
- D. find

**Answer:** C

#### NEW QUESTION 26

Which IP subnet mask can be used to send traffic to all network nodes?

- A. 192.168.0.255/23
- B. 192.168.1.11/31
- C. 172.16.1255/22
- D. 192.168.0.11/30

**Answer:** D

#### NEW QUESTION 29

An administrator finds a new vulnerability in a web application and needs to rapidly mitigate the threat. Which F5 feature provides this functionality?

- A. iCall

- B. iRules
- C. iSession
- D. iControl

**Answer:** B

#### NEW QUESTION 30

Which protocol is used for control and session establishment for streaming media?

- A. RTP
- B. DTLS
- C. SMB
- D. RTSP

**Answer:** D

#### Explanation:

Referance: <https://stackoverflow.com/questions/4303439/what-is-the-difference-between-rtp-or-rtst-in-streaming-server>

#### NEW QUESTION 31

What is the nest hop used to send traffic to reach 192.168.1.50?

- A. 172. 17. 12. 51
- B. 192. 168. 150
- C. 172. 17. 12.254
- D. 172. 17. 12/ 255

**Answer:** C

#### NEW QUESTION 34

An administrator lakes a capture of five Traffic using tcpdump. The administrator notices that different ephemeral port numbers are architecture does this indicate?

- A. packet-based architecture
- B. full proxy architecture
- C. hub and spoke architecture
- D. ring network architecture

**Answer:** B

#### NEW QUESTION 38

A Network Administrator needs a new networking device can perform NAT to connect several devices on a computer network. What is the most appropriate device for this requirement?

- A. Switch
- B. Router
- C. Bridges
- D. Hub

**Answer:** B

#### NEW QUESTION 40

A BIG-IP Administrator needs to upgrade an HA pair to a more recent TMOS version. The administrator is unsure if the BIG-IP is currently supported How should the administrator verity that the HA pair is under a valid support contract?

- A. confirm that License OK" is set to yes in the applied license
- B. confirm that the "Service Check Date" specified in the applied license has not passed
- C. Check the status of the license under the Platform menu of the F5 Configuration Unity
- D. review /var/log/license for messages that indicate an expired license

**Answer:** C

#### NEW QUESTION 43

What is a primary reason to choose hardware over virtual devices?

- A. failure isolation
- B. HA capabilities
- C. management capabilities
- D. SSL performance

**Answer:** D

#### NEW QUESTION 48

An administrator configures a custom MAC masquerade address on a redundant BIG-IP system. What will be the result?

- A. The administrator will be prompted during configuration to define which unit will use the MAC masquerade address
- B. The MAC masquerade address will be concurrently used by both active and standby unit
- C. The MAC masquerade address will only be used by the active unit
- D. The standby unit will use the system's actual interface(s) MAC address
- E. The MAC masquerade address will only be used by the unit with higher unit ID. The other unit will use the system's actual interface(s) MAC address

**Answer:** C

#### Explanation:

<https://support.f5.com/cp/article/K13502>

#### NEW QUESTION 53

Which version of SNMP can AuthPriv be used?

- A. 2
- B. 3
- C. 2c
- D. 3c

**Answer:** B

#### NEW QUESTION 56

A BIG-IP Administrator needs to configure a MAC masquerade address for traffic-group 1. Where on the GUI should this configuration be performed?

- A. System > Configuration Device General > traffic-group-1
- B. Local Traffic > Traffic Class > traffic-group-1
- C. Device Management > Traffic Groups > traffic-group-1
- D. Network > ARP Static List > traffic-group-1

**Answer:** C

#### NEW QUESTION 60

A BIG-IP Administrator is trying to reach the internal web server from a workstation.

- \* The workstation has a MAC address of 00:00:00:00:00:01 and an IP address of 192.168.0.1
  - \* An internal web server has a MAC address of 00:00:00:00:00:02 and an IP address of 10.10.1.1
  - \* The workstation's default gateway has a MAC address of 00:00:00:00:00:03 and IP address of 192.168.0.254
- What is the destination hardware address of the outbound packet when it leaves the workstation?

- A. 00:00:00:00:00:01
- B. 00:00:00:00:00:00
- C. 00:00:00:00:00:03
- D. 00:00:00:00:00:02

**Answer:** C

#### NEW QUESTION 61

Which service should be configured to allow BIG-IP devices to be externally monitored?

- A. SSHD
- B. TMSH
- C. SMTP
- D. SNMP

**Answer:** D

#### NEW QUESTION 63

A BIG-IP administrator is testing a web server behind an ADC. The connection to a Virtual Server is successful but the page is still not loading. Where should the administrator test to determine if the server is available?

- A. from server-side interface in ADC.
- B. from client side interface in ADC
- C. from Workstation client
- D. from switch connected to ADC and Server

**Answer:** A

#### NEW QUESTION 65

A BIG-IP Administrator configures three Network Time Protocol servers to keep the time of the devices in sync. Which tool should the administrator use to show the synchronization status with the Network Time Protocol servers?

- A. ntpdate
- B. time
- C. mpa

D. date

**Answer:** C

#### NEW QUESTION 68

in which scenario is a full proxy TCP connection required?

- A. when SSL offloading is used
- B. when Traffic is routed
- C. when administrators manage the servers directly
- D. when 3 server responds directly to the client

**Answer:** A

#### NEW QUESTION 71

In which FTP mode is the serve, responsible for initiating the data correction back to the client?

- A. Protected FTP
- B. Active FTP
- C. Secure FTP
- D. Passive FTP

**Answer:** B

#### Explanation:

<https://support.f5.com/csp/article/K08859735>

#### NEW QUESTION 76

For an IP of 192 168 10.10 with a subnet mask of 255 255.240 0 an administrator is asked to provide

- The first network address
- The broadcast address, and
- The number of hosts available per subnet host What should be the administrator's response'?

- A. 192. 168. 0. 1 is the network address
- B. 192.168.10 255 is the broadcast address
- C. There are 16382 addressable hosts
- D. 192. 168. 0. 0 is the network address 192 168 15 255 is the broadcast address
- E. There are 4094 addressable hosts
- F. 192.168. 0.0 is the network address
- G. 192 168 16 255 is the broadcast address
- H. There are 1022 addressable hosts
- I. 192. 168.16. 0 is the network address, 192 168 31 255 is the broadcast address
- J. There are 409J addressable hosts

**Answer:** B

#### NEW QUESTION 80

A BIG-IP Administrator is cleaning up unused Virtual Servers and pools via the Configuration Utility while trying to delete certain administrator receives an error message that indicates that the pool is in use.

What is the likely cause of this error?

- A. The pool members are all disabled
- B. The pool is in use by a Virtual Server
- C. The pool members are marked up with a green circle
- D. The pool is in use by a monitor

**Answer:** B

#### NEW QUESTION 84

An administrator needs a remote VPN solution for corporate users. The existing network infrastructure has web-based services. The administrator needs to select the VPN that is the least complicated to deploy.

Which VPN solution should the administrator choose?

- A. IPSec
- B. L2TP
- C. SSL
- D. PPTP

**Answer:** A

#### NEW QUESTION 86

A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG IP device, Multiple other VLANs exist on LACP01.Which TMSH command should the BIG IP Administrator issue to add the new VLAN lo the existing LAC?

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- A. create net vlan VIAN40 (interfaces replace all with {LACP01 (untagged } } lag 40 )

- B. create net vian VLAN40 (interfaces add { LACP01 {tagged} tag JO J
- C. create net vian VLAN40 {interfaces add ( LACP01 {untagged}) tag 40}
- D. create net wan VLAN40 {interfaces replace all with {LACP01 {tagged }} lag 40 }

**Answer:** B

**Explanation:**

Tagged" VLAN is how F5 refers to a VIAN within an 802.1q trunk. The fact that it is an FS trunk' or an LACP/etherchannel link only changeshowthe interface is referred to in the command.

**NEW QUESTION 89**

An administrator needs to selectively compress HTTP traffic based on geographical location Which FS Feature should the administrator use?

- A. One Connect
- B. iRules
- C. SPDY profile
- D. iSessions

**Answer:** B

**NEW QUESTION 90**

What should a BIGIP Administrator configure to provide remote access and ensure data privacy?

- A. Security policy
- B. Packet filter
- C. VPN
- D. GRE

**Answer:** C

**NEW QUESTION 92**

Which protocol data unit (PDU) is associated with the OSI model's Transport layer?

- A. Segment
- B. Datagram
- C. Packet
- D. Bit

**Answer:** A

**Explanation:**

[https://en.wikipedia.org/wiki/Protocol\\_data\\_unit](https://en.wikipedia.org/wiki/Protocol_data_unit)

**NEW QUESTION 95**

A BIG-IP Administrator needs to make sure that requests from a single user are directed to the server that was initially selected (unless that server is marked down). What should the administrator configure?

- A. caching profile
- B. TCP profile
- C. persistence profile
- D. security policy

**Answer:** C

**NEW QUESTION 97**

An organization needs to protect its data center from layer three-based and layer four-based exploits. Which F5 product provides this functionality

- A. AFM
- B. ASM
- C. GTM
- D. APM

**Answer:** A

**Explanation:**

<https://www.f5.com/producrs/security/advanced-firewall-manager>

**NEW QUESTION 100**

A client's operating system needs to make sure that data received from a server is mapped to the application that requested it. How does it complete this mapping?

- A. using the TCP sequence number
- B. using the client source port
- C. using the TCP acknowledgement number
- D. using the server source port



**Answer:** B

#### NEW QUESTION 102

BIG-IP Administrator performs the capture as shown in the image! On which protocol is the application responding?

- A. RDP
- B. HTTPS
- C. DNS
- D. HTTP

**Answer:** D

#### NEW QUESTION 105

A BIG-IP Administrator needs to create a route to send traffic destined to 10.1.1 1 to another router with an address of 192 168 1 1 Which TMSH command should the administrator use?

- A. create/net route 10. 11. 1/32 gw 192 168. 1. 1
- B. create met route 192 168. 1. 1/32 gw 10. 11. 1
- C. add met route 192. 168. 1. 1/32 gw 10. 1. 1. 1
- D. add inet route 10.11.1/32 gw 192. 168.1.1

**Answer:** A

#### NEW QUESTION 108

What advantage does an active-standby configuration have over an active-active configurations?

- A. Active-standby configuration allows for the backup of the peer configuration
- B. Active-standby utilizes the hardware more efficiently
- C. Active standby Uses significantly less power consumption than active-active
- D. Active-standby is less complex to troubleshoot

**Answer:** D

#### NEW QUESTION 109

A BIO IP Administrator is troubleshooting a slow web application. A packet capture shows that some of the packets coming from a window size of zero A packet capture shows that som a window size of zero  
What does this mean?

- A. The client is trying to close the TCP connection
- B. The server is trying to close the TCP connection
- C. The server is temporary unable to receive any more data
- D. The client is temporarily unable to receive any more data

**Answer:** C

#### NEW QUESTION 111

A certificate chain can be used for which purpose?

- A. Creating anonymous connections on the internet
- B. anchoring the geographic location of a client or server
- C. Ensuring multiple layers of decryption and encryption
- D. Determining a client or server should be trusted

**Answer:** D

#### NEW QUESTION 114

Which of the following would happen?

- A. The PC sends a DNS query for 172. 17. 10. 1
- B. The PC sends an ARP looking for the MAC address of 172. 17. 10. 4
- C. The PC sends an ARP looking for the MAC address of 172. 17. 10. 1
- D. The PC sends a DNS query for 172.17.10 4

**Answer:** B

#### NEW QUESTION 119

Which function does a caching profile provide on the BIG IP server?

- A. caches client IP addresses to improve response times
- B. caches HTTP headers to improve server load times.
- C. caches selected pool members to improve load balancing times.
- D. caches data for reuse to cut down on transfer time for future requests

**Answer:** D

#### Explanation:

The ltmcache profile is a memory cache of data from pool members

#### NEW QUESTION 122

When is the server also a client?

- A. during a passive FTP session
- B. during an active FTP session
- C. While receiving email
- D. While uploading files

**Answer:** B

#### NEW QUESTION 126

in which scenario is a full proxy TCP connection required?

- A. when compression is actuated
- B. When Source NAT configured
- C. when a virtual server is configured
- D. When Source IP persistence is required

**Answer:** A

#### Explanation:

<https://devcentral.f5.com/articles/the-full-proxy-data-center-architecture>

#### NEW QUESTION 127

A company would like to create a web service for multiple data centers (US EU, ASia) where each data center uses the same IP address Requests will be routed to the closest data center. Which address type is the appropriate solution?

- A. Broadcast
- B. Unicast
- C. Anycast
- D. Micast

**Answer:** C

#### NEW QUESTION 131

An administrator needs to do the following

- \* install a load balancer in front of an existing application
- \* test application performance
- \* avoid reconfiguration of the application server
- \* avoid interruption of users accessing the application

- A. modify the test client's local host file
- B. modify the DNS Server A-record for the application
- C. configure IP Anycasting
- D. configure Port Address Translation

**Answer:** A

#### NEW QUESTION 134

An administrator is designing a remote host connection using an ICMP based network troubleshooting utility and receive an ICMP error diagram with the following error code.

\* 11. Times exceeded What does this mean?

- A. A faulty router on the network is unable to process the packet in a timely manner
- B. A switch on the network the frame due to an incorrect checksum
- C. The TTL field of the IP header was set to 255. and this was consequently dropped by a router

D. The TTL field of the IP header was decremented to 0. and this was consequently dropped by a router

**Answer:** D

#### NEW QUESTION 137

What is a benefit of configuring BIG-IP devices in active-active high availability mode?

- A. avoid Overload on the BIG-P system in the event of a failover
- B. allows full utilization of hardware purchased
- C. reduces troubleshooting complexity
- D. provides ability to upgrade a member of the pair without disruption

**Answer:** B

#### NEW QUESTION 140

What is used to provide mutual authentication for TLS/SSL?

- A. X.509 Certificate
- B. Access List
- C. Shared Secret key
- D. Mutually Trusted issuer

**Answer:** A

#### NEW QUESTION 144

During a TCP three-way handshake, which packet indicates the server's maximum segment size (MSS)?

- A. the initial SYN packet
- B. the ACK that completes the three-way handshake
- C. the SYN/ACK packet
- D. the first packet after the three-way handshake

**Answer:** C

#### NEW QUESTION 147

ICMP is used by which command line tool?

- A. curl
- B. tcpdump
- C. traceroute
- D. nslookup

**Answer:** C

#### NEW QUESTION 152

A company deploys F5 load balancers to manage a number of secure applications. The company needs to centrally manage certificates. Which F5 product provides this functionality?

- A. BIG-IP
- B. GTW
- C. iHealth
- D. LTM

**Answer:** A

#### NEW QUESTION 157

Which of the following is a valid IP address and prefix length?

- A. 192.168.:0 177/25
- B. 192.168:0. 129/25
- C. 192.168:0 128/25
- D. 192.168.:0 255/25

**Answer:** B

#### NEW QUESTION 159

What does the 5XX group of HTTP status codes indicate?

- A. Redirection
- B. Successful
- C. Client Error
- D. Server Error

**Answer:** D

#### NEW QUESTION 163

A client needs to learn if a web server supports POST Which HTTP method is used?

- A. OPTIONS
- B. TRACE
- C. LIST
- D. GET

**Answer:** A

#### Explanation:

[https //developer mozilla.org/en-US/docs/Web/HTTP/Methods/OPTION](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/OPTION)

#### NEW QUESTION 164

Ping and Traceroute outputs are provided for a connectivity issue. What is the cause of these results?

- A. routing loop
- B. packets that are routed with a high metric
- C. multiple paths toward the destination

**Answer:** A

#### NEW QUESTION 168

The BIG-IP device has the status of interface 2 1 as DOWN The BIG-IP Administrator. What is the likely reason for the status of the interface to be DOWN?

- A. The interface 3/2/1 is UP on switch
- B. The interface 2.1 is disabled on the BIG-IP device
- C. The interface 3/2/1 is DOWN on switch
- D. The interface 2. 1 is unpopulated on the BIG-IP device

**Answer:** C

#### NEW QUESTION 171

A server is operating on the network 10.100/24. The BIG-IP device is operating on the 192.168.0.0/24 net. What is required to enable the server and BIG-IP device to communicate properly?

- A. Firewall
- B. Switch
- C. Router
- D. Hub

**Answer:** C

#### NEW QUESTION 173

Without decrypting, what portion of an HTTPS session is visible with a packet capture?

- A. Source IP Address
- B. HTTP Request Headers
- C. Cookies
- D. HTTP Response Headers

**Answer:** A

#### NEW QUESTION 176

Which protocol emphasizes reduced latency over reliability?

- A. TCP
- B. UDP
- C. GRE
- D. RSVP

**Answer:** B

#### NEW QUESTION 178

Why is it important that devices in a high availability pair share the same configuration?

- A. so that a spanning tree loop can be avoided
- B. so that application traffic can do gracefully resumed after a failover
- C. so that configuration Updates can occur instantly between two devices
- D. so that the load can be shared equally between the devices

**Answer:** B

#### NEW QUESTION 180

A user is trying to access a website using the URL <https://1.1.1.1/> The website fails to load. The user can access other websites. Given the packet capture above,

what is the most likely issue?

- A. The remote server is not responding because it is down
- B. The client machine is not 'connected to the internet
- C. The client machine's DNS is configured incorrectly
- D. The remote server is actively rejecting the connection

**Answer:** D

#### NEW QUESTION 185

A BIG-IP Administrator needs to configure a network to separate traffic into three different VLANs using a single port on the BIG-IP device. What means should be used to allow this?

- A. LACP link aggregation
- B. Multiple MAC registration Protocol
- C. 0902 19 VLAN tagging
- D. Port Spanning

**Answer:** C

#### NEW QUESTION 188

A BIG-P Administrator needs to upload a qkview view to evaluate software upgrade options. Which service should be used?

- A. AskF5
- B. iHeath
- C. DevCentral
- D. F5WedSubOon

**Answer:** B

#### NEW QUESTION 192

A web administrator has added content to a web application, but users are unable to access the new content What could be preventing them from accessing the content?

- A. The webapp uses negative security, and the attack signature is using an invalid regular expression
- B. The webapp uses positive securit
- C. and the nourishes database has not been updated
- D. The webapp uses positive security, and the new content has not been defined as allowed behavior
- E. The webapp uses negative securit
- F. and the denial of service signatures have not been updated

**Answer:** C

#### NEW QUESTION 197

The 2001:db8: : IP6 address block is allocated to a load balancer for use as virtual server addresses. The address block is routed to a balancer self IP address using a static route. What is the correct representation for the last address in the address block that a virtual server can use?

- A. 2001:db8
- B. 2001:db8: : 255
- C. 2001:db8: : ffff:ffff:ffff:fffe
- D. 2001:db8: :ffff:ffff:ffff:ffff

**Answer:** C

#### NEW QUESTION 202

An administrator connects two devices using an Ethernet cable. The link fails to come up on either device, which setting could prevent the link from being established?

- A. Proxy settings

- B. IP configuration
- C. Link speed
- D. DNS resolvers

**Answer:** C

#### NEW QUESTION 203

Which security model provides protection from unknown attacks?

- A. ACL Security model
- B. closed security model
- C. Negative security model
- D. Positive security model

**Answer:** D

**Explanation:**

[https://www.owasp.org/index.php/Posilrve\\_security\\_model](https://www.owasp.org/index.php/Posilrve_security_model)

#### NEW QUESTION 207

ATP administrator recently added a new VLAN and needs to confirm that the BIG IP sees traffic on this VLAN. The VLAN is untagged on interface 1.1 and is named VLAN704 in the BIG IP Configuration Unity.

Which tool should be used to generate a packet capture that shows all traffic on this VLAN?

- A. netstat
- B. map
- C. tcpdump
- D. ifconfig

**Answer:** C

#### NEW QUESTION 209

An administrator needs to load balance connections to the application server with the lowest number of Which load balancing method meets these requirements?

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

**Answer:** D

**Explanation:**

<https://support.f5.com/csp/article/K9573>

#### NEW QUESTION 213

An IPV6 clients tries to connect to <http://myserver.com>

Wh.cn type of DNS request should the client send to its configured server?

- A. type MX
- B. type AAAA
- C. type NS
- D. type A

**Answer:** B

#### NEW QUESTION 218

An administrator needs a data a format that is support authentication against an external security domain. The data format must format support SSO. Which data format should the administrator choose?

- A. AAA
- B. Kerberos
- C. SAML
- D. EAP

**Answer:** C

#### NEW QUESTION 220

A BIG IP administrator recently reset statistics for interfaces 1.1 and 1.2.The administrator notices that traffic appears on a data plane interface without receiving any client requestsAll nodes and pools have monitoring enabled, and all routes are locally defined on the device All management traffic is sent over the mgmt interface. What is the nature of this traffic?

- A. SNMP polling and traps
- B. Hearth checks for nodes and pool members
- C. Dynamic routing protocols
- D. TCP Keepalives for nodes and pool me

**Answer:** B

**Explanation:**

Health check typically will be sent via the tmm interface based on the tmm routing configuration

**NEW QUESTION 221**

What does ICMP Time Exceeded" mean?

- A. The ping command exceeded the time limit.
- B. The traceroute command exceeded the time limit
- C. Remote host did not respond
- D. TTL has reached zero

**Answer:** D

**NEW QUESTION 224**

Which protocol data unit (PDU) is associated with the OSI model's Physical layer?

- A. Frame
- B. Datagram
- C. Segment
- D. Bit

**Answer:** D

**Explanation:**

[https://en.wikipedia.org/wiki/Protocol\\_data\\_unit](https://en.wikipedia.org/wiki/Protocol_data_unit)

**NEW QUESTION 225**

AD VLAN must be created with an 802.1q tag of 705 on interface 11. What is the proper TSH command to create this new VLAN on the BIG-IP?

- A. Create/net wan internal interfaces add {1 1 (tagged)} tag 706
- B. Create/net vlan internal trunk add (11 {tagged})
- C. add /net vlan internal interfaces add (11) tag 705
- D. add / net vlan internal trunk add {1 1 (tagged)} tag 705

**Answer:** A

**NEW QUESTION 227**

Which support service is required to synchrony the time stamps in system logs from these devices?

- A. SNMP
- B. Syslog
- C. SMTP
- D. DNS

**Answer:** B

**NEW QUESTION 231**

An application has a mix of both and short and long lived connections. Which algorithm would provide an even distribution of all connections across the pool?

- A. Priority group activate
- B. Least connections
- C. Static ration
- D. Round robin

**Answer:** B

**NEW QUESTION 236**

HTTPS traffic is being passed from behind a NAT router, through a load balancer, to servers without being decrypted. What is the F5-recommended persistence method in this situation?

- A. SSL session ID persistence
- B. source address persistence
- C. SIP persistence
- D. destination address persistence

**Answer:** A

**NEW QUESTION 241**

Which method should an administrator of the BIG-IP use to sync the configuration to only certain other BIG-IPs?

- A. synchronize only certain folders
- B. exclude devices from certain Traffic Groups
- C. exclude devices from certain Sync Groups



D. exclude devices from certain Device Groups

**Answer:** C

**NEW QUESTION 242**

Which protocol data unit (POU) is associated with the OSI model's Network layer

- A. Segment
- B. Datagram
- C. Bit
- D. Frame

**Answer:** B

**NEW QUESTION 243**

How does file caching affect the web application?

- A. It reduces the load on the web application
- B. It speeds up traffic to the web application
- C. It slows traffic to the web application
- D. It increases the load on the web application

**Answer:** A

**NEW QUESTION 246**

The BIG-IP device has the following configured routes:

Which gateway will be chosen to send the packet to the destination 10.238.10.11?

- A. 192.168.10.20
- B. 192.168.10.40
- C. 192.168.10.30
- D. 192.168.10.10

**Answer:** A

**NEW QUESTION 249**

Which device group type allows a BIG-IP system to automatically become active in the event that the current active system fails?

- A. Sync-active
- B. sync-failover
- C. sync-standby
- D. sync-only

**Answer:** B

**Explanation:**

The sync-failover group allows for failover of a traffic group. The sync-only will synchronize ASM profiles and some other device information but does not deal with traffic groups

**NEW QUESTION 252**

Which device type in the topology will forward network packets without an OSI layer 3 address assigned to a data plane interface?



- A. Router
- B. Firewall
- C. Application Server
- D. Switch

**Answer:** D

#### NEW QUESTION 256

A BIG IP Administrator configures three Network Time Protocol servers to keep the time of the devices in sync. Which tool should the administrator use to show the synchronization status with the Network Time Protocol servers?

- A. time
- B. ntpdate
- C. date
- D. ntpq

**Answer:** D

#### Explanation:

ntpq -pn will show the synchronization status of configured ntp servers

#### NEW QUESTION 257

Which two functions of AAA does Security Assertion Markup Language (SAML) identity Provider (IdP) offer (Choose two)?

- A. measure usage
- B. provide authentication
- C. provide availability
- D. provide session auditing
- E. filter access

**Answer:** BD

#### NEW QUESTION 258

At which layer of the OSI model does the DNS resolution process occur?

- A. Layer 7
- B. Layer 4
- C. Layer 2
- D. Layer 3

**Answer:** A

#### NEW QUESTION 263

A BIG IP Administrator reviews the Virtual Server configuration and sees the object status represented by a blue square for an unknown status. How should the administrator change the unknown status?

- A. restart the BIG-IP device
- B. assign a monitor to the pool
- C. restart the backend webserver
- D. run a packet capture on the BIG-IP device

**Answer:** B

#### NEW QUESTION 268

What is a disadvantage of running a visualized load balancer

- A. more expensive than a hardware load balancer
- B. slower than a hardware load balancer
- C. less reliable than a hardware load balancer
- D. does not support high availability

**Answer:** B

#### NEW QUESTION 273

A company needs to use a custom value when making persistence decisions. Which F5 product provides this functionality?

- A. iControl
- B. (Rules
- C. iApps
- D. (Health

**Answer:** B

#### NEW QUESTION 278

An administrator receives an error message when attempting to create a self-IP address on a BIG-IP appliance. Which address should the administrator use to

resolve the issue?

- A. 2001 0db8.85a3 0000 0000 8a2e 0370 7334
- B. 2001:db8:85a3 Bd3.Ba2e.370 7334
- C. 2001:0db8:85i3:0000:0000: : 8a2i:0370:7334

**Answer:** A

#### NEW QUESTION 282

What are three functions commonly performed by HTTP cookies? (Choose three)

- A. Track users' browsing activities
- B. hold User preferences
- C. maintain session state
- D. execute client side scripts
- E. execute server side scripts

**Answer:** ABC

#### NEW QUESTION 286

A company is creating a new department for Security Engineering and needs to create a segregated network segment with only 24 IPS. What should be configured?

- A. configure a new VLAN and assign a netmask of /29
- B. use an existing VLAN and assign a netmask of /28
- C. use an existing VLAN and assign a netmask of /30
- D. configure a new VLAN and assign a netmask of /27

**Answer:** D

#### Explanation:

a /28contains 14 usable IPs and a /27contains 30 usable IPs

#### NEW QUESTION 289

A BIG IP Administrator need to perform a packet capture and identify the source IP that is connecting to the Virtual Server. Which utility should the administrator use on the BIG IP device?

- A. leinel
- B. traceroute
- C. ping
- D. tcpdump

**Answer:** D

#### NEW QUESTION 293

A new virtual server is being tested to replace <http://myapp.mydomain.com>. The original virtual server is still on use. And the new virtual server is on a different ip address. What should be done to test this new virtual server using the fully qualified domain name for this application?

- A. add a DNS record for the fully qualified domain name
- B. add the fully qualified domain name to the browser cache
- C. make an entry in the client host file
- D. make an entry in the web server services file

**Answer:** C

#### NEW QUESTION 296

In a load balanced scenario which service would require persistence to function correctly?

- A. Simple Mail Transport Protocol

- B. DNS
- C. Web-based email
- D. HTTP

**Answer:** C

#### NEW QUESTION 301

in which scenario is a full proxy TCP connection required?

- A. when SIP UP P load balancing is defined
- B. when DNS load balancing is configured
- C. when compression is enabled
- D. when layer 3 load balancing is configured

**Answer:** C

#### NEW QUESTION 306

Comment calculator DNS error SERVFAIL. HTTP 404 and SMTP error 550 are all examples of which type of error?

- A. Service
- B. Application
- C. Network
- D. Session

**Answer:** B

#### NEW QUESTION 307

A server is capable of handling more connections than other servers in the same pool. Which load distribution method should the administrator choose?

- A. Least Connections
- B. Fastest
- C. Ratio
- D. Round Robin

**Answer:** C

#### NEW QUESTION 312

An administrator needs to connect a new device to a switched network. The interconnect must be both redundant and combined bandwidth than a single link Which low-level protocol will help facilitate this?

- A. Link Aggregation Control Protocol (LACP)
- B. Link Allocation & Configuration Protocol (LACP)
- C. Link Local Distribution Protocol (LLDP)
- D. Link Layer Discovery Protocol (LDP)

**Answer:** A

#### NEW QUESTION 315

In which scenario is a packet forwarding architecture required?

- A. when HTTP header must be modified
- B. when cookie persistency is demanded
- C. when the server responds directly to the client
- D. when the number of TCP connections on the server should be reduced

**Answer:** C

#### NEW QUESTION 316

An administrator is updating private keys used for SSL encryption from 1024 to 2048 bits. Which possible effect should the administrator consider when performing this activity?

- A. The larger Key size will increase processing requirements
- B. Some hardware will NOT support the 2048 key
- C. Some certificate authorities will NOT support the 2048 key
- D. The larger key size will increase private key installation complexity

**Answer:** A

#### NEW QUESTION 318

If a workstation is configured with an address of 224 0.0.1 which functionality will it allow?

- A. loopback to itself
- B. broadcasting to the local subnet
- C. multicasting to the local subnet
- D. automatic private IP addressing

**Answer:** C

**Explanation:**

[https://en.wikipedia.org/wiki/Multicast\\_address](https://en.wikipedia.org/wiki/Multicast_address)

**NEW QUESTION 320**

In IPv4 the loopback IP is 127 0.0.1. or IPv6, what is the loopback address?

- A. FEBO::1
- B. FF8Q 0.0 : :1
- C. 2001 :: 127 :: 1
- D. :: 1

**Answer:** D

**NEW QUESTION 322**

Web application <http://www.example.com> at 10.10.1.1.10 is unresponsive.

A recent change installed new firewalls in the network. Which command should be used to locate where data loss has occurred within the network?

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

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

**Answer:** C

**Explanation:**

Traceroute attempts to send ICMP-packets that expire further down the network and determine if a network device is responding or allowing traffic through.

**NEW QUESTION 323**

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