# F5-Networks

## Exam Questions 101

Application Delivery Fundamentals

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**NEW QUESTION 1**
TI SISSL prides which functionary when a web browser connects to web site using the HTTPS protocol?

A. delivers secure communication over a network connection
B. prevents the web server from being compromised
C. protects network packets from interception by intermedianes
D. stop the web browser from automatically downloading malware

**Answer:** A


**NEW QUESTION 2**
A client receives all of the expected data from a server and sends a FIN packet signaling the end of communication. What will the server do when it receives the FIN Packet from the client?

A. send a SYN packet
B. send an RST packet
C. Send both FIN and RST packets
D. send an ACK Packet

**Answer:** D

**Explanation:**
https://www.geeksforgeeks.org/computer-networr-tcp-connection-termination/


**NEW QUESTION 3**
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 4**
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 5**

A)

B)

C)

A. Option
B. Option
C. Option

**Answer:** A

**NEW QUESTION 6**
in which scenario is a full proxy required?

A. When a separation between client and server connection .s needed
B. When administration directly access the servers for administration
C. when the server sends the response through lho load balancer
D. when all TCP client parameters must be seen by the server

**Answer:** A

**Explanation:**
Reference https //devcentral.f5.com/articles/three-things-your-proxy-cart-do-unless-its-a-full-proxy

**NEW QUESTION 7**
An administrator sets up a web server for a new web application. The administrator cannot access the web server at is causing this issue?

A. The HTTP service only listens on localhost
B. The users IP needs to be allowed to access
C. The server needs to be restarted
D. The HTTPS service Is not running

**Answer:** A

**NEW QUESTION 8**
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 9**
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 10**
The HTTP 1.1 standard is being used as part of communication to a server. The client fails to maintain the session within the maximum timeout defined by the server. Which device is responsible for ending the HTTP session?

A. the load balancer
B. the server
C. the default gateway of the load balancer
D. the client

**Answer:** C

**NEW QUESTION 10**
What is the primary function of a certificate authority?

A. to expire outdated certificates
B. to verify and validate certificates

C. to store security certificates
D. to sign certificate signing requests

**Answer:** D

**Explanation:**
https:/enWikipedia.org/wiki/Certificale_authority

## NEW QUESTION 15
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 dovcentral f5.com
D. Download the product version image from downloads f5.com

**Answer:** D

## NEW QUESTION 16
What are Iwo 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 17
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 23
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 27
The users in a company are unable to send and receive SMTP e-mails using the BIG-IP Virtual Server. The administrator logs into the BIG IP device to verify if the mail pool member with an IP address of 192. 168. 10. 100. 18 is serving SMTP traffic.
Which command on the BIG-IP device should the administrator use to verify the traffic?

A. tcpdump - 0 0 host 192 168 10 100 and port 143
B. curf - 1 smtp1/192 168 10 100
C. Icpdurnp - 0:0 host 192. 168. 10. 100 and port 25
D. telnet 192. 168. 10. 100. 143

**Answer:** C

**NEW QUESTION 32**
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 35**
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 39**
What is an advantage of a packet forwarding architecture?

A. allows for manipulation of HTTP headers
B. allows for SSL offload
C. reduces latency
D. handles larger packet sizes

**Answer:** C

**NEW QUESTION 41**
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 43**
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 44**
An administrator needs to create a structured application delivery configuration that will prevent individual objects from being modified directly
Which F5 technology should the administrator use?

A. iRules
B. iApps
C. iSessions
D. iContfol

**Answer:** B

**NEW QUESTION 46**
In which scenario is a full proxy TCP connection required?

A. TCP routing
B. IPv4 lo IPv6 gateway
C. UDP routing
D. UDP to ICMP gateway

**Answer:** B

**NEW QUESTION 49**

User A and User B's workload are on the same VLAN, but connected through a transparent layer 2 bridge in use B's ARP table. Which MAC address is reported for user A's workstation?

A. The physical port MAC address on the bridge for user A's workstation
B. The MAC address of the 12 bridge
C. The MAC address of User A's workstation
D. The physical port MAC address on the bridge for user B*s workstation

**Answer:** D


**NEW QUESTION 52**
Ethernet frame FCS errors occur when which calculation fails?

A. FSCM
B. CRC
C. CSR
D. HSTS

**Answer:** B


**NEW QUESTION 54**
A BIG IP virtual Server with an IP address of 10.100.43.108 must be available to public internet users. Which technology should be used to achieve this task?

A. NDP
B. DNS
C. NAT
D. ARP

**Answer:** C

**Explanation:**
10 x.x.x/8 is an RFC 1918 reserved private IP address. It must be NATted from a publicly accessible IP for access from the internet


**NEW QUESTION 55**
which version of SNMP can AuthPriv be used?

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

**Answer:** B


**NEW QUESTION 58**
BIG-IP ASM is requesting automatic signature updates from the F5 update service

Who is considered the server in this communication?

A. BIG-IP
B. User A
C. F5 update Service
D. web application

**Answer:** C


**NEW QUESTION 62**
in which scenario is a full proxy TCP connection required?

A. when IP Anycastmg is enabled
B. when routing is enabled
C. when the number of TCP connections to the server must be optimized
D. when the client TCP connections options must be sent to the server

**Answer:** C


**NEW QUESTION 65**
An administrator suspects that a BIG IP appliance is experiencing performing issue due to spikes in CPU usage checks the performance issues does to spikes in CPU usage checks the performance report in the BIG-IP UI on CPU spikes are evident in the graphs. Which section in the BIG IP UI can the administrator check to troubleshoot the issue further?

A. Statistics > Utilization
B. System . Utilization
C. Statics > Dashboard
D. System > Services

**Answer:** C

**NEW QUESTION 67**
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 or 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 workstations 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 69**
A user fails to provide credentials when requesting a web resource that requires authentication. Which HTTP response code does the server send?

A. HTTP 200
B. HTTP 302
C. HTTP 401
D. HTTP 502

**Answer:** C

**Explanation:**
https://httpstatuses.com/401

**NEW QUESTION 72**
Which protocol data unit (PDU) is associated with the OSI model Network layer?

A. Frame
B. Packet
C. Segment
D. Bit

**Answer:** B

**Explanation:**
https://en.wikipedia.org/wik/Protocol_data-unit

**NEW QUESTION 75**
An administrator needs to restore the BIG-IP configuration from a UCS file In which section in the BIG IP Configuration utility is this task performed?

A. System > Archives
B. System > Services > Backup
C. System > Backup
D. System > File Management

**Answer:** A

**NEW QUESTION 80**
An administrator configures a default gateway for the host. What is the purpose of a default gateway?

A. to replace the destination IP address with the default gateway
B. to pass all traffic to the default gateway
C. to forward packets to remote networks
D. to populate the ARP table

**Answer:** C

**NEW QUESTION 83**
A messaging system digitally signs messages to ensure non-repudiation of the sender. Which component should the receiver use to validate the message?

A. Public Key
B. SSL extension
C. A negotiated security algorithm
D. private Key

**Answer:** A

**NEW QUESTION 87**
In which scenario does the client act as a server?

A. During an active FTP session
B. When an SMTP connection

C. During an SMTP connection
D. When browsing websites

**Answer:** A


**NEW QUESTION 90**
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 94**
Exhibit.

the Web application Server made a query to the Database to present dynamic content for a user who would be the client?

A. The User
B. The Big-IP
C. The Database
D. The Web application server

**Answer:** D


**NEW QUESTION 97**
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 100**
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?
A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named IACP01) 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 to the existing LAC?

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 102**
A new web server VLAN has been created and the IP address 10.1.1.1/24 has been assigned to the BIG IP device. The BIG IP Administrator needs to create the new Self IP and prevent administrator access to the BIG-IP device from the newly created network.
Which TMSH command should be used?

A. create /net self internal address 10 1.1. 1/24 vlan VLAN 10 allow service none.
B. add 'net self internal address 10.1.1. 1/24 vlan VLAN 10 allow-service none
C. create /net self internal address 10. 1. 1. 1/24 vlan VLAN 10 allow service default
D. add /net self internal address 10 111 mask 265. 255. 2550 vlan VLAN 10 allow

**Answer:** A

**Explanation:**
White the default differs from version to version, H typically allows HTTP SSH and iQuety for BIG-IP to BIG-IP communication


**NEW QUESTION 103**
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 106**
A load balancer receives a TCP SYN packet from a client and immediately sends the packet on to a server. This is an example of which type of solution?

A. packet forwarding architecture
B. Full proxy architecture
C. TCP compression
D. TCP optimization

**Answer:** A


**NEW QUESTION 107**
A company recentlyopened a new branch site. The site needs to access the internet through a link to HQ.Therouter at the branch Branch1 the router at HQ is Called core1. The computers at the branch site reside on the network 192 168 1 0/24 directly connected to Branch1 Users at HQ can already access the Internet.What routing must be configured to achieve the required internet connectivity for the branch site?

A. a route for 0. 0. 0.0/0 on Branch1 to Core1, and a route for 192 168 1 0/24 from Core 1 to Branch1
B. a route for 0. 0. 0.0/0 on Core 1 to Branch1. and a route (or 192 168 1.0/24 from Branch 1 to Core.
C. only a route for 192 168 0 0724 from Corel to Branch1
D. only a route for 0. 0.0.0/0 on Branch1 to Core1

**Answer:** A


**NEW QUESTION 109**
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 110**
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 111**
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 112**
Which protocol does an internet host use to request the hardware address of an IP address?

A. Reverse Address Resolution Protocol (RARP)
B. Address Resolution Protocol (ARP)
C. BOOTP
D. Dynamic Host Configuration Protocol (DHCP)

**Answer:** B


**NEW QUESTION 113**
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 118**
An administrator wants to insert per-session data in a users browser so that user requests are directed to Which session persistence method should the administrator use?
the same session

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

**Answer:** D

**Explanation:**
https://support B.com/csp/article/K83419154


**NEW QUESTION 123**
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 124**
In an active/standby high-availability mode, what causes a standby unit to assume the active role?

A. Hashed unit iD
B. management MAC address
C. resource utilization
D. heartbeat detection

**Answer:** D

**Explanation:**
https://supportf5.com/csP/article/K95002127


**NEW QUESTION 125**
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 126**
A BIG IP Administrator observes that the pool member status is a blue square What does this status indicate?

A. The object is available
B. The availability of the object is unknown.
C. The object has reached its configured connection limit
D. The object is unavailable.

**Answer:** B

**NEW QUESTION 127**
An administrator needs to prepare change control documents for operations staff To reduce possible errors the administrator killed number of default configuration options is choose from. Which F5 feature is intended to help with this task?

A. icontrol
B. iCatl
C. iApp
D. iRules

**Answer:** A

**Explanation:**
https://devcentral.f5.com/icontrol

**NEW QUESTION 128**
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 132**
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. Micest

**Answer:** C

**NEW QUESTION 134**
An Administrator enables HTTP keep alive. How does this affect the network?

A. HTTP connections will remain open longer
B. Fewer TCP connections will need to be opened
C. HTTP connections will close when the keep-alive times out
D. More TCP connections will need to be opened

**Answer:** B

**Explanation:**
https //en wikipedia org/wiki/HTTPpersistentconnection

**NEW QUESTION 138**
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 139
What is a benefit of configuring BIG-IP devicesin active-active high availabilitymode?

A. avoid Overload on the BIG-P system in theevent 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 141
An administrator encounter an error while working on eBiG.IP device and contacts F5 Support to open a case. While opening the case Support of the administrator that a BIO-IP version update is required.
Which F5 Support policy requires the administrator to upgrade the BIG-IP version.

A. End of Software Support
B. End of Support Contact Renewal
C. End of Technical Support
D. End of Return to Manufacturing

**Answer:** A

## NEW QUESTION 146
Which three security controls are used in an SSL transaction? (Choose three.)

A. symmetric encryption
B. network admission controls
C. asymmetric encryption
D. digital certificates
E. database encryption

**Answer:** AD

## NEW QUESTION 150
A company deploys F5 load balancers to manage a large number of secure applications. The company manage certificates. Which F5 provides this functionality?

A. iHealthy
B. BIG-IQ
C. GTM
D. LTM

**Answer:** B

**Explanation:**
htlps //devcentral (5 com/articles/what-is-big-iq-26702

## NEW QUESTION 153
What does the 5XX group of HTTP status codes indicate?

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

**Answer:** D

## NEW QUESTION 158
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

## NEW QUESTION 163
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 167**
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 169**
Which protocol emphasizes reduced latency over reliability?

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

**Answer:** B


**NEW QUESTION 171**
Which Datalink sublayer has the primary funcl.cn of proving node lo node flow and error control?

A. LLC
B. ARP
C. MAC
D. UDP

**Answer:** A

**Explanation:**
hltps://en wikipedia org/wiki/Logical_link_control


**NEW QUESTION 175**
In the Network Map a red diamond appears next to the three member servers in the Virtual Server's pool. The nodes in the pool each show a green circle. What is the most likely reason for this scenario?

A. The pool members health monitor has been disable
B. The pool members have been disabled
C. The pool members have been powered off
D. The pool member services have been shut down

**Answer:** D


**NEW QUESTION 179**
In 200 db8 IPv6 address block is allocated to a load balancer for use as virtual server addresses. The address block balancer set ip address using a static route. What is the representation for the last address in the address block that a virtual server can use?

A. 2001 db8 :: ffff, ffff, ffff, ffff
B. 2001 db8::
C. 2001 db8 :: 255
D. 2001 db8 ffff, ffff, ffff, ffff

**Answer:** D


**NEW QUESTION 180**
A BIG-IP Administrator has a cluster of devices.
What should the administrator do after creating a new Virtual Server on device 1?

A. synchronize the settings of device 1 to the group
B. create a new cluster on device 1
C. create the new virtual server on device 2
D. synchronize the settings of the group to device 1

**Answer:** A


**NEW QUESTION 182**
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 183**
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 184**
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 188**
An administrator is given the IP Address of 192.168.100.124 and needs 64 subnets. How many hosts per network are allowed?

A. 4
B. 8
C. 6
D. 2

**Answer:** D


**NEW QUESTION 193**
In a fully proxy architecture, what is considered the client in the server-side communications

A. the ADC
B. the switch
C. the server
D. the client workstation

**Answer:** A


**NEW QUESTION 195**
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 199**
What tool should the BIG-IP Administrator use to view the status of all virtual servers and associated resources in one place?

A. System performance
B. Network Map
C. Pool statistics
D. Virtual server statistics

**Answer:** B


**NEW QUESTION 201**
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 205**
An administrator is currently designing the IP addressing scheme for a small company. They have been asked to use the 192. 168. 100 x block of addresses with a /27 network prefix. How many networks and hosts per network will be available when using the 27-bit network prefix.

A. 255 networks each with 224 hosts
B. 30 networks each with 8 hosts
C. 8 networks each with 30 hosts
D. 27networks each with 30 hosts

**Answer:** C


**NEW QUESTION 207**
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 211**
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


**NEW QUESTION 214**
Which support service is required to synchrony the time stamps in system logs from these devices?

A. SNMP
B. Syslong
C. SMTP
D. DNS

**Answer:** B


**NEW QUESTION 218**
Web application http://www.example.com at 10.10.1.1.110, is unresponsive. A recent change migrated DNS to a new platform

A. telnet www example com 80
B. curl http //www example com
C. dig www example com
D. telnet 10.10.1. 110. 80

**Answer:** C

**Explanation:**
Telnet will open a socket to the http server, but the request would need to be manually input Curlwill send a request and output the response.


**NEW QUESTION 222**
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 225**
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 230**
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 234**
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 236**
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:**
nlpq -pn will show thesynchronization status of configured ntp servers

**NEW QUESTION 240**
What is a primary benefit of employing a load balancer to manage traffic for an application?

A. It reduces the number of client connections
B. It provides a more uniform client experience
C. It allows easy scaling up of the application
D. It Reduces dropped connections

**Answer:** C

**NEW QUESTION 243**
A BIG IP Administrator reviews the Virtual Server configuration and sees the object status represented by a blue square tor 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 246**
If there are multiple applications authenticated against a single identity store, which technology solution will simplify access to all applications?

A. RADIUS
B. single sign on
C. multifactor authentication
D. LDAP

**Answer:** B

**NEW QUESTION 249**
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 253**
What is one way that a application delivery controller lowers the CPU-load on web servers?

A. use SSL termination at the application delivery controller
B. make the application delivery controller function as a Firewall
C. make the application delivery controller a member of both external and internal VLANs
D. use cookie persistence on the application delivery controller

**Answer:** A

**NEW QUESTION 256**
An administrate 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 259**
What command sends an "Echo Request' message and expects an "Echo Reply" message?

A. ping
B. netstal
C. tcpdump
D. echo

**Answer:** A

**NEW QUESTION 262**
An administrator is performing a capture from a lagged port on an Ethernet SWITCH.
Which OSI layer should be inspected to determine with which VLAN a datagram is associated?

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

**Answer:** B

**NEW QUESTION 267**
Cryptographic hash functions can be used to provide which service?

A. data modification
B. data encryption
C. data validation
D. data decryption

**Answer:** C

**Explanation:**
https ://en.wikipedia.org/wiki/Hash_function

**NEW QUESTION 272**
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 127contains 30 usable IPs

**NEW QUESTION 275**
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 278**
An administrator is trying to debug why the 10.0.10.0/24 network is inaccessible from a certain server. The server is able to access the internet Successfully.

The administrator inspects the routing table and ARP table on the affected server. Given the terminal output shown, what could be causing this issue?

A. The default gateway is not sending ARP responses
B. The static route for 10. 0.10.0/24 is misconfigured
C. The local server is unable to receive ARP responses
D. The default route (0. 0. 0. 0/0) is misconfigured

**Answer:** B

**NEW QUESTION 280**
An administrator needs to protect a web application from cross-site scripting (CSS) exploits. Which F5 protocol provide this functionality

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

**Answer:** A

**Explanation:**
https //devcentral f5.com/articIes/the-big-ip-application-security-managef-part-1-what-is-the-asm

**NEW QUESTION 284**
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 quailed 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 288**
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 293**
An administrator needs to deploy a VON solution that offers data integrity and origin authentication of IP packets. Which solution the administrator use?

A. IPSecVPN
B. PPTP
C. GRE
D. SSL VPN

**Answer:** A

**NEW QUESTION 296**

A VoIP application requires that data payloads will NOT be fragmented. Which protocol controls network behavior in this situation?

A. RTSP
B. UDP
C. TCP
D. IP

**Answer:** A

**NEW QUESTION 301**
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 306**
A BIG-IP administrator is interested in using some of the vCMP What should impact the administrator's decision?

A. vCMP is available on all F5 hardware platforms.
B. vCMP is only available on the virtual edition
C. vCMP is hardware independent
D. vCMP is only available on certain F5 platforms

**Answer:** D

**NEW QUESTION 311**
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

**NEW QUESTION 314**
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