

101 Dumps

Application Delivery Fundamentals

<https://www.certleader.com/101-dumps.html>



NEW QUESTION 1

BIG-IP Administrator runs the command ITconfig from the BIG-IP command the line end sees a high number of collisions. What is the likely cause?

- A. There is a duplicate IP address on the network
- B. A crossover cable has been used
- C. The interface is set to half duplex
- D. Spanning Tree Protocols blocking the con

Answer: D

NEW QUESTION 2

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 3

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 4

What does HTTP status code 500 mean?

- A. Service unavailable
- B. Internal server error
- C. Gateway timeout
- D. Had gateway

Answer: B

NEW QUESTION 5

What are the two primary functions of the OSI 7 layer model (Choose two)

- A. to guide interoperability between products made by different vendors
- B. to define protocol behavior
- C. to group communications into logical layers
- D. to define specifications of host-to-host communications
- E. to standardize HTTP communications between different vendors

Answer: AB

NEW QUESTION 6

What does the HTTP status code 404 mean?

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

Answer: D

NEW QUESTION 7

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 8

Where is the MAC masquerade address configured?

- A. Virtual Server
- B. Virtual Address
- C. Device Groups
- D. Traffic Groups

Answer: D

NEW QUESTION 9

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 10

A BIG-IP Administrator wants to send packets from one subnet to another. What device is required to allow this to function?

- A. switch
- B. Router
- C. HUP
- D. Bridge

Answer: B

NEW QUESTION 10

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 15

HTTPs traffic is not working properly. What is the likely reason for the issue?



- A. 0. 0 0.0 0 is an invalid address in netstat.
- B. 0. 0. 0. 0.0 80 should be in an active stale
- C. The server is not listening on TCP 443
- D. The server is not listening on UDP 80

Answer: C

NEW QUESTION 17

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 21

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 25

Host A sends 10 TCP packets to Host B. All packets arrive at Host B quickly, but some arrive out of order. What will Host B do?

- A. ACK only packets that are in order
- B. drop all packets and wait for arrival in order
- C. drop any packets that arrive out of order
- D. ACK all packets and place them in order

Answer: D

NEW QUESTION 30

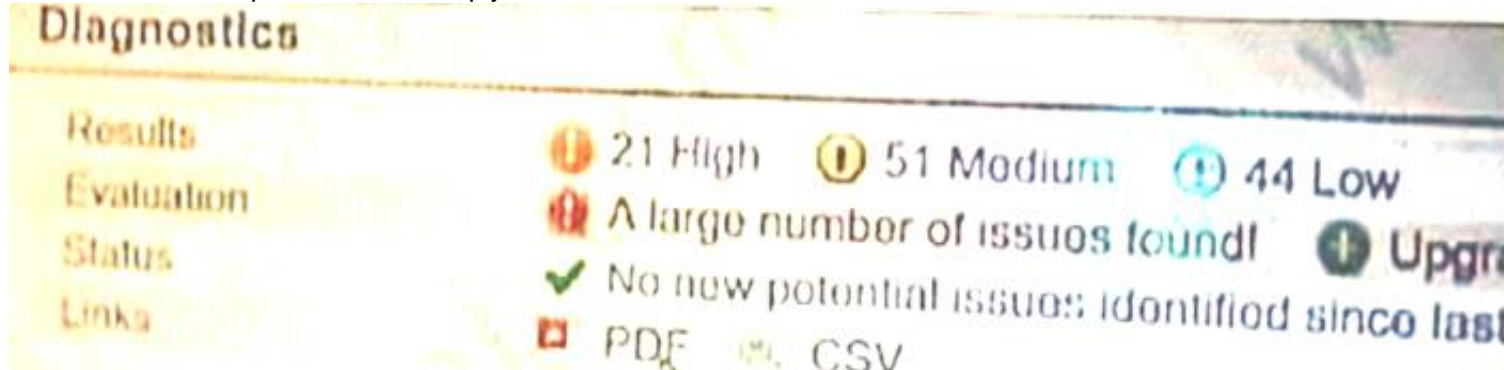
A BIG-IP Administrator is trying to send traffic to a server on the same subnet and sees an incomplete in the BIG-IP devices ARP table. What could cause the incomplete status?

- A. BIG-IP device connection is half-duplex
- B. Router does not have a default gateway
- C. Firewall is blocking ICMP
- D. Server's switch connection is in the wrong VLAN

Answer: D

NEW QUESTION 35

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 39

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 40

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. curl - 1 smtp1/192 168 10 100

- C. lcpdurnp - 0:0 host 192. 168. 10. 100 and port 25
- D. telnet 192. 168. 10. 100. 143

Answer: C

NEW QUESTION 44

Which type of certificate is pre-installed in a web browser's trusted store?

- A. Root Certificate
- B. Server Certificate
- C. Client Certificate
- D. intermediate Certificate

Answer: A

NEW QUESTION 49

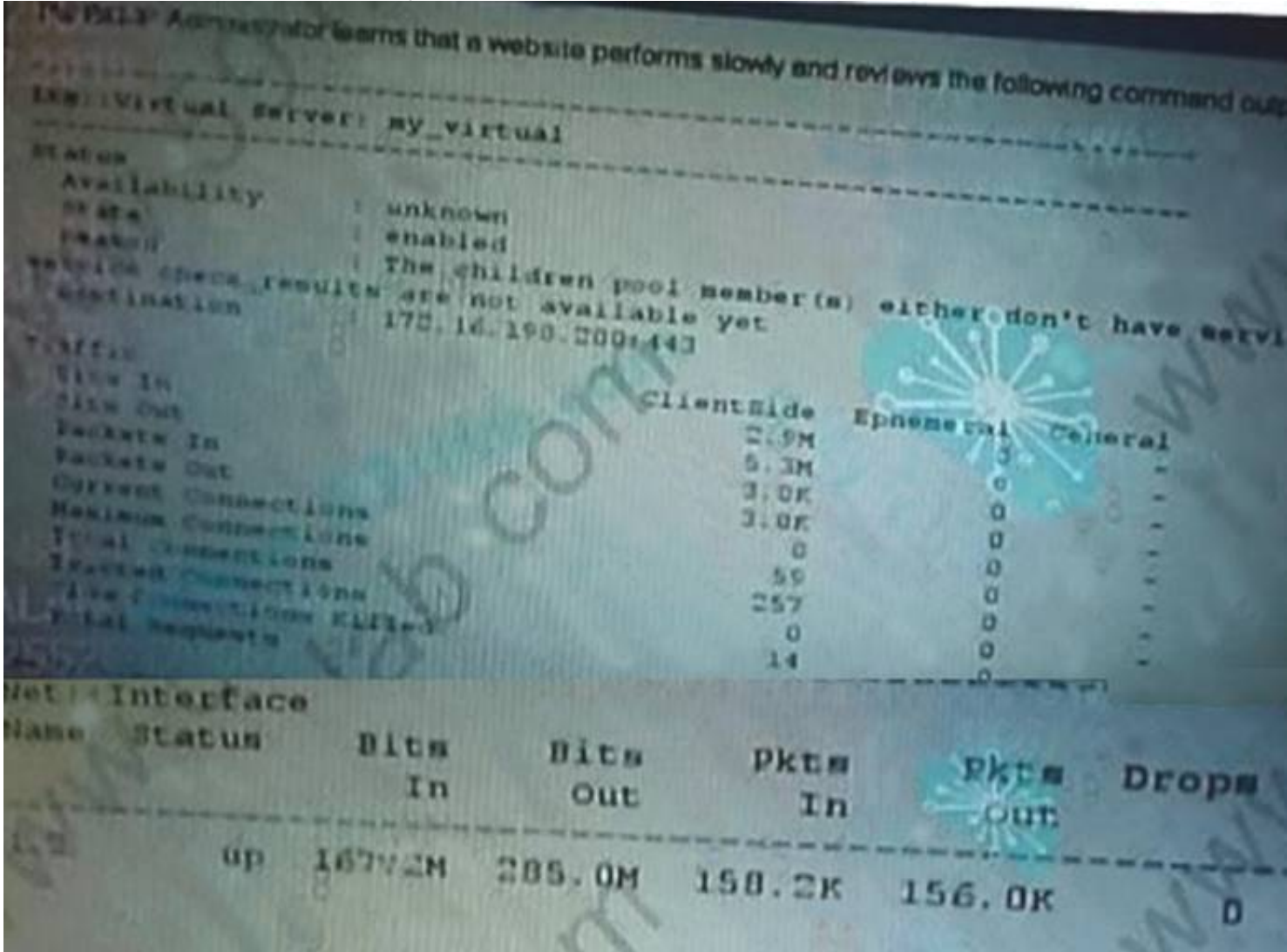
Which IP subnet mask can be used to send traffic to all network nodes?

- 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 52

What should the administrator investigate first to address this traffic slownes



- A. The virtual server indicates 14 slow connections killed
- B. The pool member is unchecked
- C. Interface 1.2 shows 9.2K errors
- D. The pool shows no current connections.

Answer: C

NEW QUESTION 53

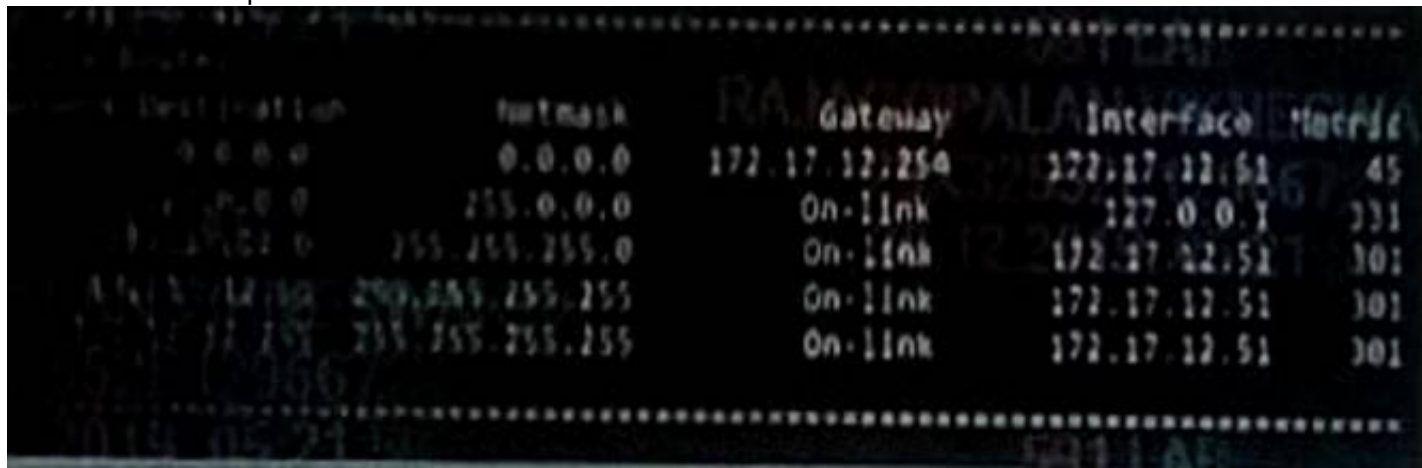
An administrator finds a new vulnerability in a web application and needs to rapidly mitigate the threat. Which F5 feature provides this functionality?

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

Answer: B

NEW QUESTION 58

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



Subnet	Subnetmask	Gateway	Interface	Metric
0.0.0.0	0.0.0.0	172.17.12.254	172.17.12.51	45
127.0.0.0	255.0.0.0	On-link	127.0.0.1	331
172.17.12.0	255.255.255.0	On-link	172.17.12.51	301
192.168.1.0	255.255.255.255	On-link	172.17.12.51	301
192.168.1.50	255.255.255.255	On-link	172.17.12.51	301

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

Answer: C

NEW QUESTION 63

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 66

An administrator takes 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 70

A website is using source address persistence with a 30 second timeout A client is idle for 35 seconds What happens to their connection?

- A. The client receives a "404 Page Not Found" error
- B. The client connection is dropped
- C. The client remains on the same server
- D. The Client request is load balanced

Answer: D

Explanation:

http://support.f5.com/kb/en-us/products/bigip_ltm/manuals/product/lrm-concepts-1-1-2-1/lrm_persist_files.html

NEW QUESTION 74

VLAN test-vlan" is configured on interface 1 1 instead of interface 1.2. Which TMSH command should be used to correct this issue?

- A. modify /net test vlan interfaces {1.2}
- B. modify /net test-vlan interfaces replace all with {1 2}
- C. modify /net vlan test-vlan interfaces replace all with {12}
- D. modify /net sian test-vlan interfaces {1 2}

Answer: C

NEW QUESTION 78

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 80

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 83

A new VLAN segment has been added to the network. Only the existing connected interface may be used. What should the BIG-IP Administrator do to allow traffic to both the existing and the new VLAN?

- A. configure VLAN with Link Aggregation Control Protocols (LACP)
- B. configure a tagged VLAN
- C. configure an untagged VLAN
- D. configure VLAN to use interface with Multiple Spanning Tree Protocol (MSTP)

Answer: B

NEW QUESTION 88

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 in use the system's actual interfaces (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 91

What are two advantages of using SSL offloading? (Choose two)

- A. Offloads the client to SSL processing
- B. provides single point of management for private keys
- C. reduces server load significantly
- D. encrypts all communications and to end
- E. allows secure remote access to internal server resources

Answer: BC

NEW QUESTION 93

What are the two primary functions of the OSI 7-layer model? (Choose two)

- A. to group communications into logical layers
- B. to define host-to-host communications
- C. to standardize HTTP communications between different vendors
- D. to go interoperability between products made by different vendors
- E. to define protocol behavior

Answer: AE

NEW QUESTION 98

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

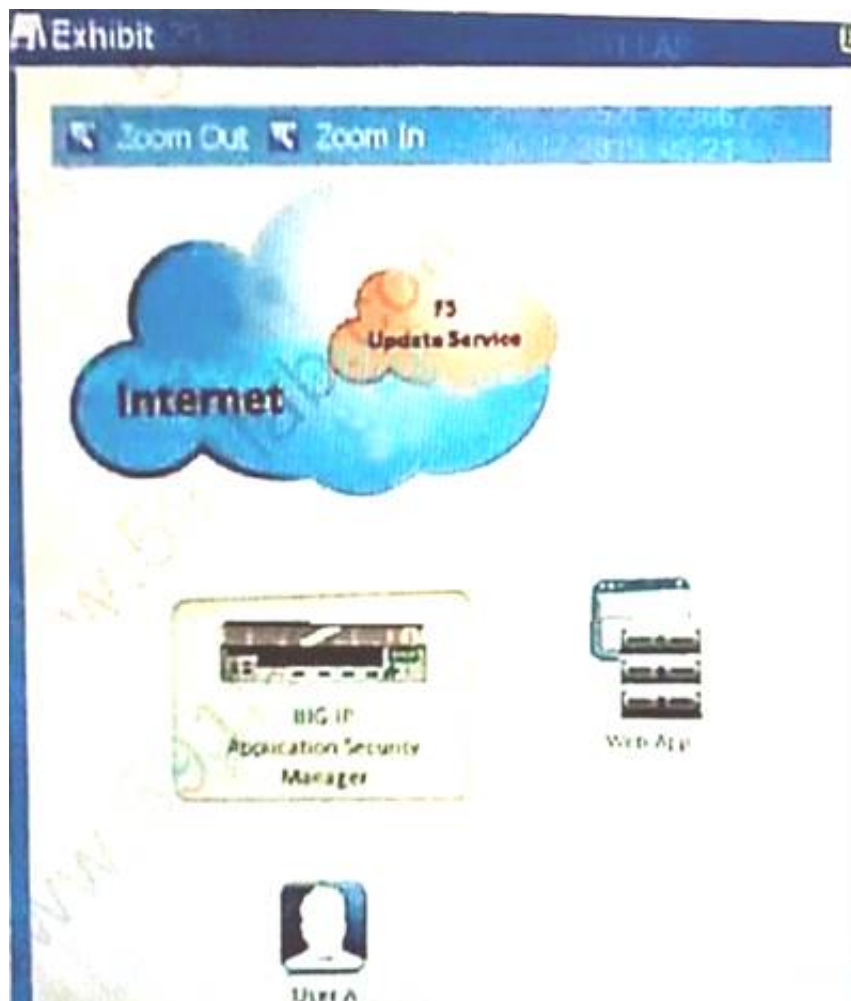
Answer: C

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 100

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 104

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 107

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 108

In wh.ch layer of the OSI model is the data transported in the form of a packet?

- A. Transport
- B. Session
- C. Network
- D. Presentation

Answer: C

NEW QUESTION 112

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 114

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 118

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 122

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 123

What is an advantage of packet forwarding architecture?

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

Answer: B

Explanation:

<https://devcentral.f5.com/questions/packet-and-proxy-based-56526>

NEW QUESTION 128

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 129

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 131

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

NEW QUESTION 135

A company recently opened a new branch site. The site needs to access the internet through a link to HQ. The router 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 192.168.0.0/24 from Core1 to Branch1
- D. only a route for 0.0.0.0/0 on Branch1 to Core1

Answer: A

NEW QUESTION 136

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 141

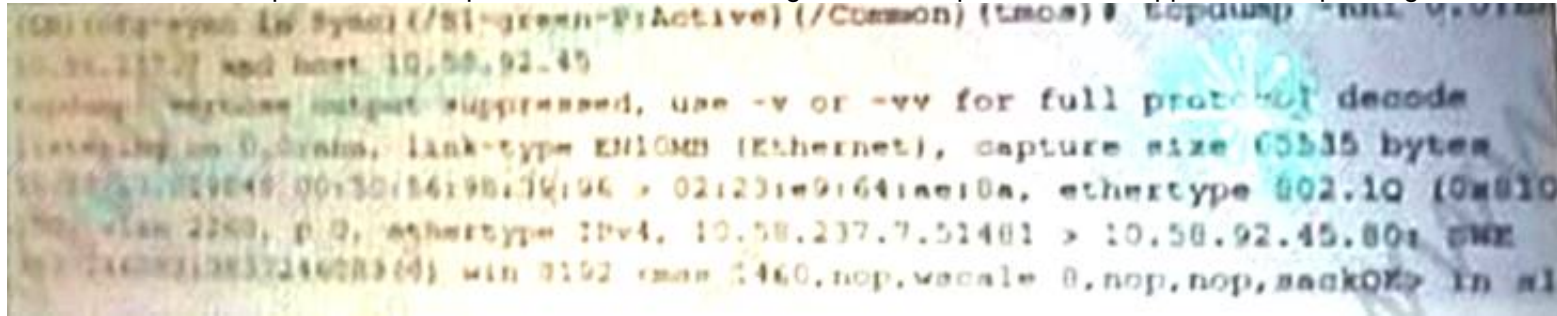
A client's operating system needs to make sure that data received from a server is mapped to the application that requested it. How does it complete this mapping?

- 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 146

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 151

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 10.1.1.1/32 gw 192.168.1.1
- B. create met route 192.168.1.1/32 gw 10.1.1.1
- C. add met route 192.168.1.1/32 gw 10.1.1.1
- D. add inet route 10.1.1.1/32 gw 192.168.1.1

Answer: A

NEW QUESTION 154

An administrator wants to insert per-session data in a user's browser so that user requests are directed to the same server. 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 157

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 158

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 163

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 165

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 169

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 170

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 171

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

- A. avoid Overload on the BIG-IP 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 173

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 174

An administrator encounters an error while working on a BIG-IP device and contacts F5 Support to open a case. While opening the case, Support of the administrator that a BIG-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 175

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: ADE

NEW QUESTION 178

Which HTTP response code indicates an OK status?

- A. 302
- B. 404
- C. 200
- D. 100

Answer: C

NEW QUESTION 182

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 184

Given the service list of a server shown, the administrator needs to determine why users are unable to resolve the IP address www.example.com. What is the causing this issue?

- A. bigd is down
- B. named is down

Answer: B

Explanation:

berkely internetname daemon (DNS) bigd is the health checking daemon

NEW QUESTION 189

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 190

ARP provides translation between which two address types?

- A. IP addresses and hardware addresses
- B. Hardware addresses and VLAN
- C. VLAN and IP addresses
- D. Hostnames and IP addresses

Answer: A

NEW QUESTION 193

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:

[https //devcentral \(5 com/articles/what-is-big-iq-26702](https://devcentral.f5.com/articles/what-is-big-iq-26702)

NEW QUESTION 197

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 199

What should the BIG-IP Administrator configure to perform SSL offloading when the certificate is already imported on the BIG-IP device?

- A. HTTP profile using client SSL profile
- B. Virtual server using client SSL profile configured to use the certificate
- C. Virtual server using server SSL profile configured to use the certificate
- D. HTTP profile using server SSL profile

Answer: B

NEW QUESTION 200

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 202

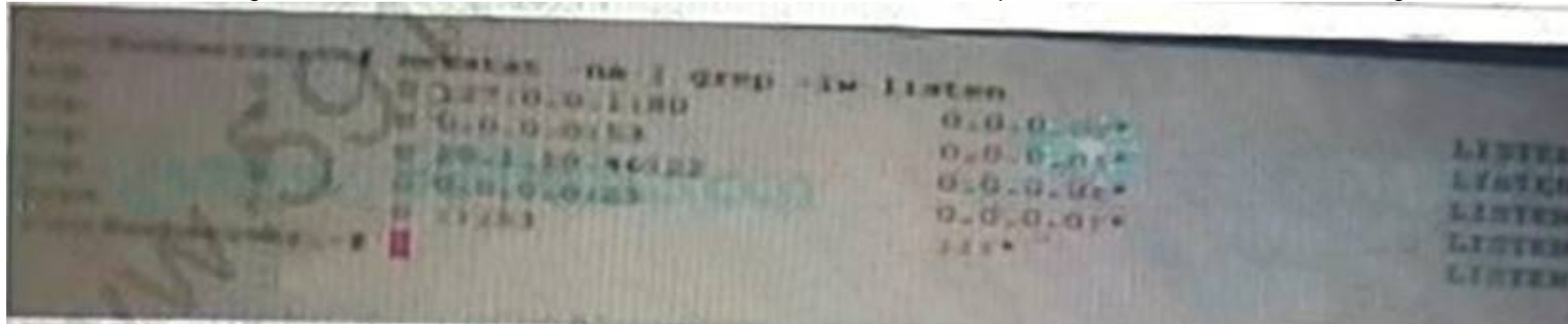
Without decrypting, what portion of an HTTPS session is visible with a packet capture?

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

Answer: A

NEW QUESTION 205

An administrator configures secure remote access to a server's shell. Given the netstat output, what did the administrator configure?



- A. telnet
- B. allowing connections only from IP address 10.1.10.46
- C. ssh
- D. listening on IP address 10.1.10.46
- E. ssh
- F. allowing connections only from IP address 10.1.10.46
- G. telnetd listening on IP address 10.1.10.46

Answer: B

Explanation:

Although it appears telnet is configured in this example (!) it is listening on all IP addresses of the system while ssh (port 22) is only on the 10.1.10.46 address.

NEW QUESTION 210

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 disabled
- 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 213

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 214

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. 802.1Q VLAN tagging
- D. Port Spanning

Answer: C

NEW QUESTION 216

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

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

Answer: B

NEW QUESTION 221

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 222

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 225

What is used to establish trust relationships between BIG-IP devices?

- A. trust ID
- B. device group identification
- C. certificate-based authentication
- D. unit IDs

Answer: C

NEW QUESTION 228

HTTP pool attached to a Virtual Server has three members Pool member A default HTTP monitor in red Pool member B custom HTTP monitor in green Pool member C does not monitor

Which pool members participate in the load balancing?

- A. Pool members A and C
- B. Pool members A B and C
- C. Pool members B and C
- D. Pool members A and B

Answer: C

NEW QUESTION 230

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 234

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 237

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 241

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 244

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 245

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 250

AD VLAN must be created with an 802.19 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 tunk add {1 1 (tagged)) tag 705

Answer: A

NEW QUESTION 252

A client is transmitting a large amount of data to a server During this process, the server sets the window size to zero What is the likely cause of this issue?

- A. The server is unable to accept more data
- B. The server resets the connection
- C. The client runs out of network buffers
- D. The server reaches its maximum segment size

Answer: A

Explanation:

<https://wiki.wireshark.org/TCP%20ZeroWindow>

NEW QUESTION 256

Which protocol could be used to provide AAA Accounting?

- A. karberos
- B. SAML
- C. DIAMETER
- D. LDAP

Answer: C

Explanation:

https://en.wikipedia.org/wiki/Diameter_protocol

NEW QUESTION 258

Pool A has three members. Why is the pool up?



- A. Heaton monitoring is enabled on only one member
- B. One member has a successful health monitor
- C. Member status is determined by volume of traffic
- D. There is no health monitoring

Answer: B

NEW QUESTION 260

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 261

What is used to resolve IP address to MAC address mappings?

- A. DHCP
- B. ARP
- C. DNS
- D. ICMP

Answer: B

Explanation:

https://enWikipedia.org/wiki/Address_Resolution_Protocol

NEW QUESTION 265

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 270

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 275

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 280

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 282

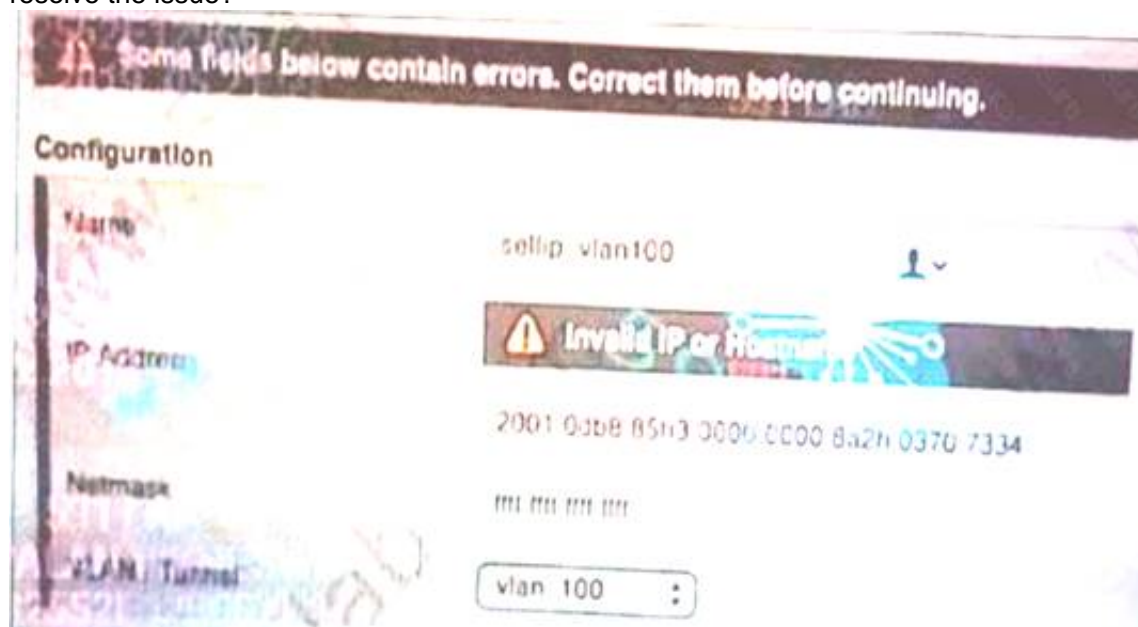
What is one way that a application delivery controller lowers the CPU-load on web servers?

- 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 283

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 284

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 285

Which TransportLayer Security (TLS) extension can be used to enable a single virtual server to serve multiple HTTPS websites in different can be used to enable a single virtual server to server domains?

- A. Session Tickets
- B. OCSP Staping
- C. Server Name indication
- D. Certificate Status Request

Answer: C

NEW QUESTION 287

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 288

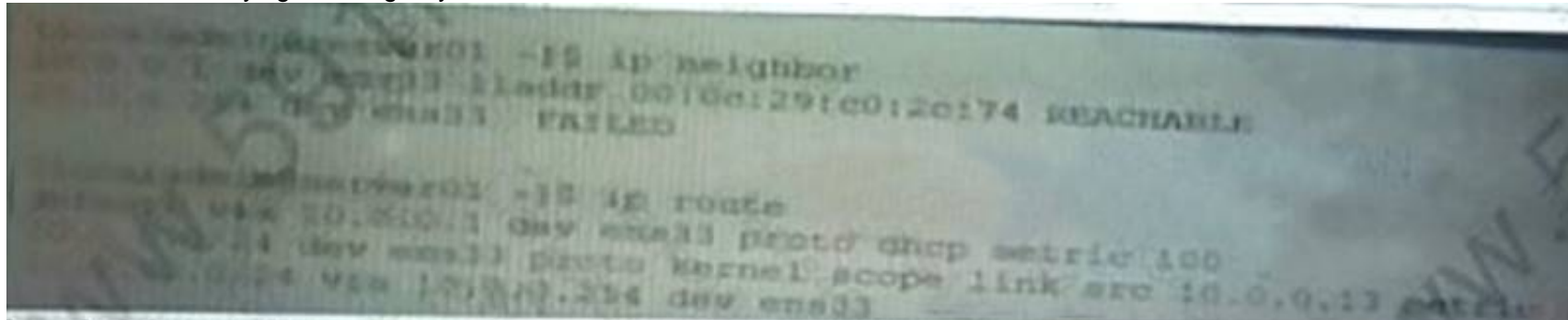
A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG-IP device. Multiple VLANs exist on LACP01. Which TMSH command should the BIGIP Administrator issue to add the new VLAN to the existing LACP trunk?

- A. create net vlan VLAN40 {interfaces add (LACP01 {tagged}) tag 40}
- B. create net vlan VLAN40 {interfaces replace-all-with {LACP01{tagged}} tag 40}
- C. create net vlan VLAN40 interfaces replace all with {LACP01 {untagged}} tag 40}
- D. create net vlan VLAN40 {interfaces add {LACP01 {untagged}} tag 40}

Answer: B

NEW QUESTION 291

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 296

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 299

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 301

An administrator needs to deploy a VON solution that offers data integrity and origin authentication of IP packets. Which solution should the administrator use?

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

Answer: A

NEW QUESTION 306

A BIG-IP Administrator needs to open a case with F5 Support for a specific issue with an existing HA pair of BIG-IP platform. What should be uploaded to iHealth prior to opening the case to expedite processing of the support case?

- A. UCS file
- B. SCF file

- C. tcpdump file
- D. Qkview file

Answer: D

NEW QUESTION 307

Which security mode. functions by defining what traffic is allowed and rejecting all other traffic?

- A. context-based access control mode!
- B. role-based access control mode!
- C. negative security model
- D. positive security model

Answer: D

NEW QUESTION 312

An administrator needs to rapidly deter e newly discovered security threat to a remote desktop application. Which F5 feature provides this functionality?

- A. iRules
- B. SSL profiles
- C. Proxy SSL
- D. SPDY

Answer: A

NEW QUESTION 317

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 319

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 324

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 328

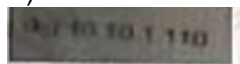
Web application <http://www.example.com> at 10.10.1.10 is unresponsive.

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

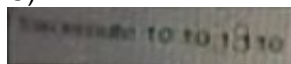
A)



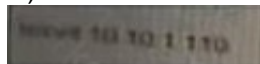
B)



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 333

.....

Thank You for Trying Our Product

* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

* One year free update

You can enjoy free update one year. 24x7 online support.

* Trusted by Millions

We currently serve more than 30,000,000 customers.

* Shop Securely

All transactions are protected by VeriSign!

100% Pass Your 101 Exam with Our Prep Materials Via below:

<https://www.certleader.com/101-dumps.html>