

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

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

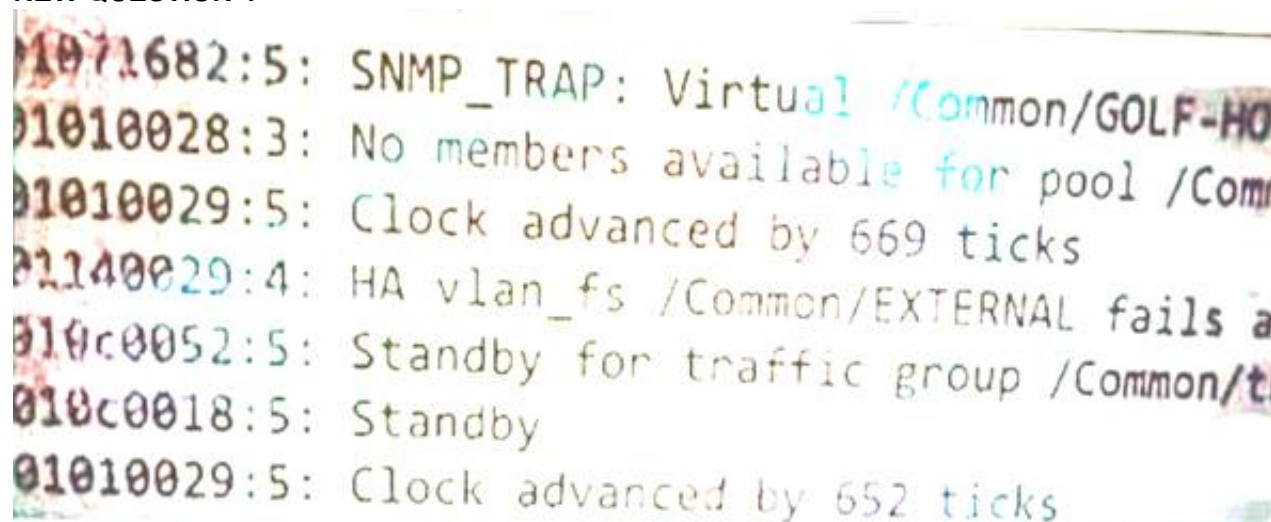
Answer: D

NEW QUESTION 3

What does HTTP status code 500 mean?

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

Answer: B

NEW QUESTION 4

01071682:5: SNMP_TRAP: Virtual /Common/GOLF-HO
01010028:3: No members available for pool /Com
01010029:5: Clock advanced by 669 ticks
01140029:4: HA vlan_fs /Common/EXTERNAL fails a
010c0052:5: Standby for traffic group /Common/t
010c0018:5: Standby
01010029:5: Clock advanced by 652 ticks

- A)

- B)

- C)


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

Answer: A

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.com
- D. www.f5.Com

Answer: B

Explanation:

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

NEW QUESTION 6

Where is the MAC masquerade address configured?

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

Answer: D

NEW QUESTION 7

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 8

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 9

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 10

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 10

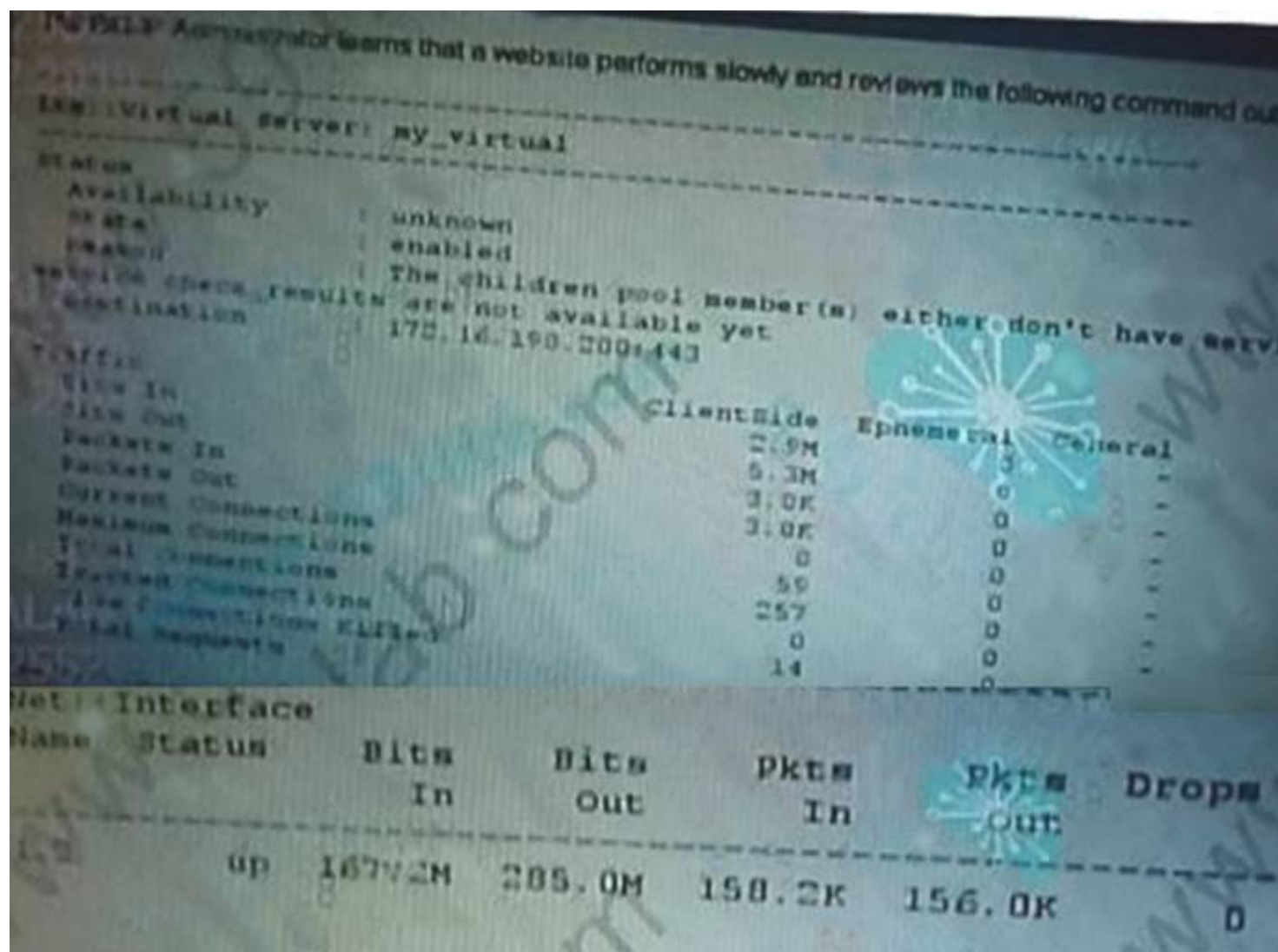
Which IP subnet mask can be used to send traffic to all network nodes?

- 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 15

What should the administrator investigate first to address this traffic slowness?



- 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 20

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 21

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 26

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 29

An administrator deploys a site in which the load balancer only sees the ingress traffic from the client All egress traffic from the server bypasses the load balancer. Which type of solution is this?

- A. packet forwarding architecture
- B. delayed binding
- C. switching
- D. Full proxy architecture

Answer: A

NEW QUESTION 33

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 38

In which scenario is a full proxy TCP connection required?

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

Answer: B

NEW QUESTION 41

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 45

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 47

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 51

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 55

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 60

An administrator notices the following log message generated by a BIG IP system " diskmonitor 011d005: Disk partition shared has less than 30% free" Which command should the administrator use to troubleshoot the problem?

- A. parted-1
- B. fdisk-1
- C. isbik
- D. df-h

Answer: D

NEW QUESTION 65

In which 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 70

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 72

In which scenario would an SSL VPN solution have an advantage over an IPSec VPN?

- A. when users are unable to install software on their PC
- B. when users require a secure connection to the corporate network
- C. when users work remotely
- D. when users require the ability to RDP to internal resources

Answer: C

NEW QUESTION 73

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 76

An administrator security policy defines allowed URLs, file types and parameter values Which security model is the administrator using?

- A. negative security model
- B. Closed security model
- C. positive Security model
- D. ACL Security model

Answer: C

Explanation:

https://www.owasp.org/index.php/Positive_security_model

NEW QUESTION 81

A BIG IP administrator is testing a web server behind 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 84

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 85

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 87

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 89

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 90

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 93

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/products/security/advanced-firewall-manager>

NEW QUESTION 97

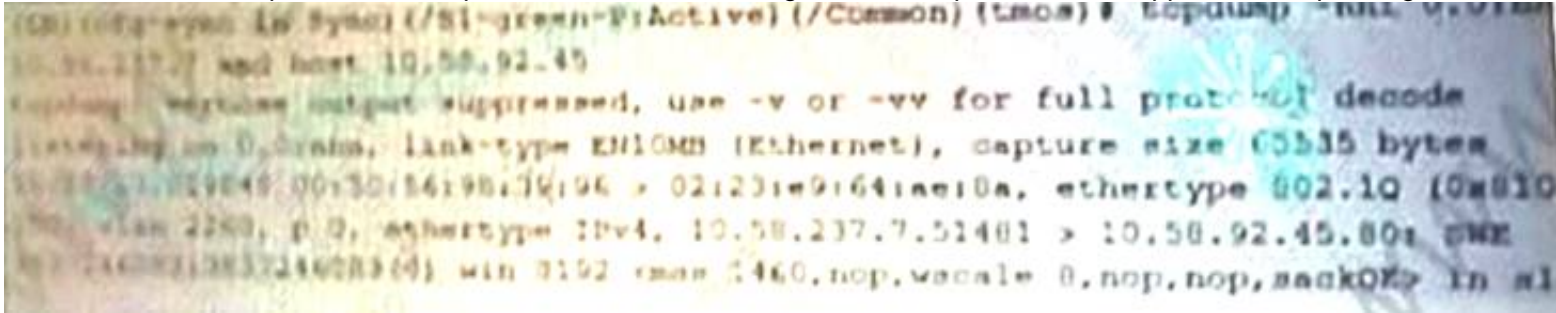
A client's operating system needs to make sure that data received from a server is mapped to the application that requested it. How does it complete this mapping?

- 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 100

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

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 109

There is no SFP plugged into the port.

Interface								

Port	Status	Bytes In	Bytes Out	Pkts In	Pkts Out	Drops	Errs	Media

1/1	up	10,80	110,9M	10,8M	220,5K	22,1M	0	1000T-FD
1/2	down	0	0	0	0	0	0	none
1/3	down	0	0	0	0	0	0	none
1/4	down	0	0	0	0	0	0	none
1/5	down	0	0	0	0	0	0	none
1/6	down	0	0	0	0	0	0	none
1/7	down	0	0	0	0	0	0	none
1/8	down	0	0	0	0	0	0	none
2/1	up	0	0	0	0	0	0	none
2/2	up	0	0	0	0	0	0	none
2/3	up	0	0	0	0	0	0	none
2/4	up	0	0	0	0	0	0	none
total	up	10,80	110,9M	10,8M	220,5K	22,1M	0	1000T-FD

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

There is no SFP plugged into the port.

NEW QUESTION 114

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 116

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 118

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 121

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 123

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 125

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 131

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](https://en.wikipedia.org/wiki/HTTPpersistentconnection)

NEW QUESTION 135

A device needs to decrypt traffic and send unencrypted traffic to the web server. Which method should the BIG-IP Administrator use?

- A. SSL Optimization
- B. SSL Caching
- C. SSL Termination
- D. SSL Bridging

Answer: C

NEW QUESTION 140

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 141

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 143

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 147

Which HTTP response code indicates an OK status?

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

Answer: C

NEW QUESTION 148

During a TCP three-way handshake, which packet indicates the server's maximum segment (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 149

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

- A. BIG IQ
- B. GTW
- C. iHeath
- D. LTM

Answer: A

NEW QUESTION 153

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.5com/articles/what-is-big-iq-26702>

NEW QUESTION 156

Which two destination pods should be used in a default active FTP Session? (Choose two)

- A. UDP 20
- B. TCP 20
- C. TCP 22
- D. TCP 21
- E. UDP 21

Answer: BD

Explanation:

<https://slacksite.com/other/ftp.html>

NEW QUESTION 161

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

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

Answer: D

NEW QUESTION 166

Which Datalink sublayer has the primary function of providing node-to-node flow and error control?

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

Answer: A

Explanation:

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

NEW QUESTION 168

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 169

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 171

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 176

In an administrator's environment, the administrator wants to inspect a high volume of SSL traffic What should be used for this task?

- A. Big-IP Global Traffic Manager appliance
- B. Big-IP standard virtual edition
- C. Big-IP Local Traffic Manager appliance
- D. Big-IP virtual edition with FIPS

Answer: C

NEW QUESTION 181

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 186

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 189

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 193

The BIG IP device is connected to the same network as a server

Which communication protocol will the BIG IP device use to discover the link layer address of the server?

- A. Ping
- B. ICMP
- C. RARP
- D. ARP

Answer: D

NEW QUESTION 197

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 201

HTTP pool attached to a Virtual Server has three members Pool member A default HTTP monitor in red Pool member 6 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 203

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 206

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 216

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. 27 networks each with 30 hosts

Answer: C

NEW QUESTION 218

An administrator needs a data format that supports authentication against an external security domain. The data format must 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 requests. All 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. Health checks for nodes and pool members
- C. Dynamic routing protocols
- D. TCP Keepalives for nodes and pool members

Answer: B

Explanation:

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

NEW QUESTION 223

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 224

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 227

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

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

Answer: B

NEW QUESTION 228

An application has a mix of both 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 233

Layer 2 mapping information is announced by an interface without receiving a request for the mapping first. Which term describes this event?

- A. ICMP
- B. STP
- C. gratuitous ARP
- D. ARP

Answer: C

NEW QUESTION 238

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 241

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

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 245

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 248

The BIG-IP device has the following configured routes:

Destination	Gateway
10.238.0.0/16	192.168.10.10
10.238.10.0/24	192.168.10.20
10.238.10.10/32	192.168.10.30
default	192.168.10.40

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 252

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 254

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 the synchronization status of configured ntp servers

NEW QUESTION 259

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 264

After all expected HTTP data has been sent from a server to a client, the client does not close connection. The server reaps the connection, but after that the client sends a "Keep alive" packet to the server.

Which type of packet will the server respond with?

- A. FiN
- B. RST
- C. ACK
- D. SYN

Answer: B

NEW QUESTION 269

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 270

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 271

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 274

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 276

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 277

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 278

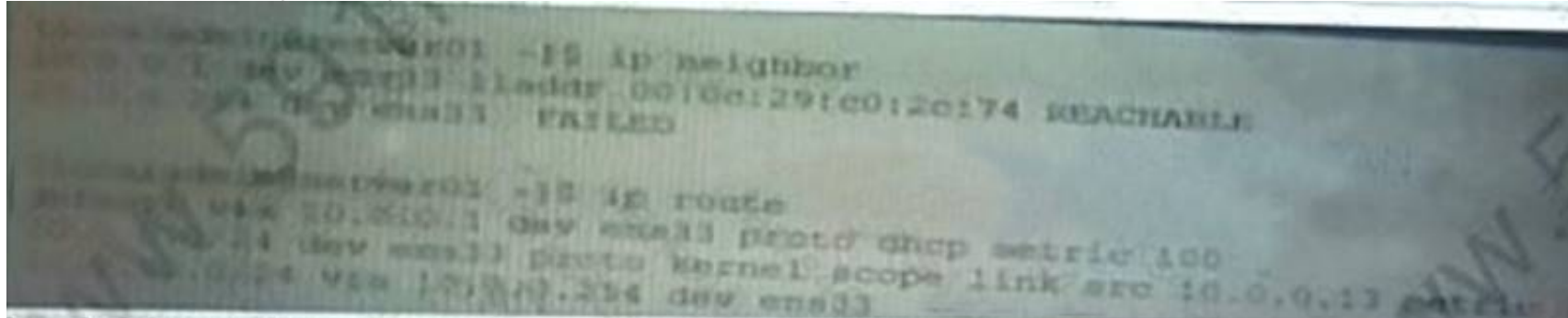
A BIG IP Administrator need to perform a packet capture and identify the source IP that is connecting to the Virtual Server.
Which utility should the administrator use on the BIG IP device?

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

Answer: D

NEW QUESTION 279

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/articles/the-big-ip-application-security-managef-part-1-what-is-the-asm](https://devcentral.f5.com/articles/the-big-ip-application-security-managef-part-1-what-is-the-asm)

NEW QUESTION 282

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 286

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 288

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 289

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 291

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 295

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 297

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 299

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 301

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 305

An administrator needs to provide access to corporate resources for remote users. The administrator also needs to verify that the remote user has anti-virus software installed. Which F5 product provides this functionality?

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

Answer: B

NEW QUESTION 310

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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