F5-Networks

Exam Questions 101

Application Delivery Fundamentals

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
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 hall duplex
D. Spanning Tree Protocols biochang the con

Answer: D

NEW QUESTION 3
A load balancing decision needs to be made based on custom a What is the most appropriate F5 feature (or this purpose?

A. iApps
B. Scale
C. iControl
D. iRules

Answer: D

NEW QUESTION 4
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
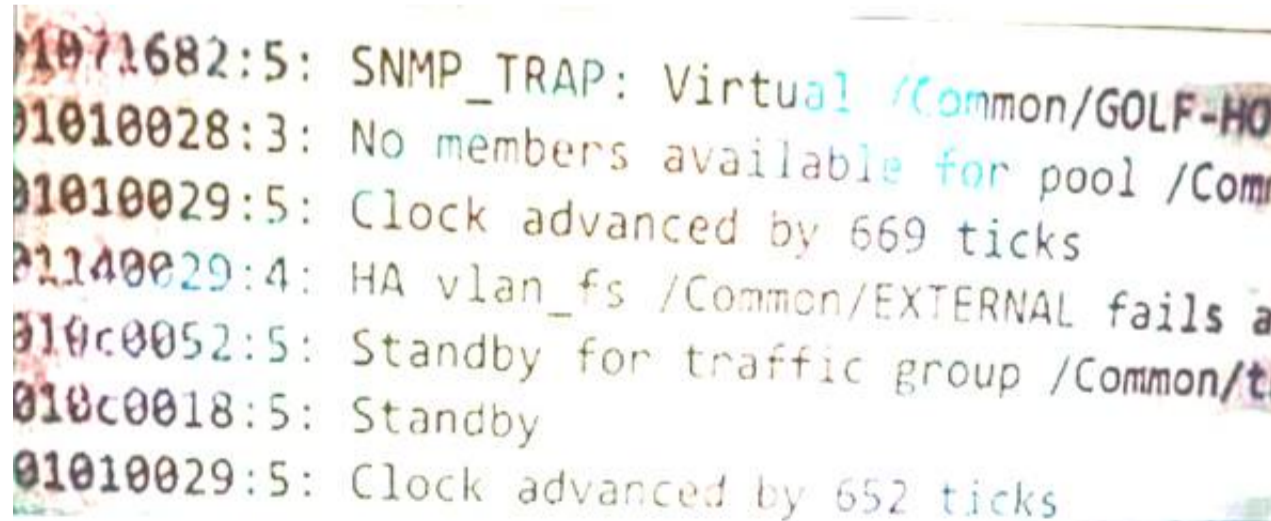D. ensures the correct identity

Answer: C

NEW QUESTION 5
What does HTTP status code 500 mean?

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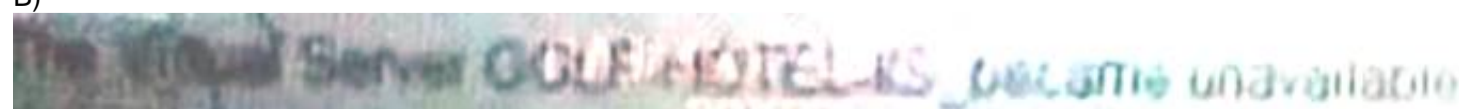C. Gateway timeout
D. Had gateway

Answer: B

NEW QUESTION 6

A)

B)

C)

A. Option
B. Option
C. Option

Answer: A

NEW QUESTION 7
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 8
What does the HTTP status code 404 mean?

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

Answer: D

NEW QUESTION 9
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 Iho 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 10
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
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 13
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 17
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 21
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 26
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 29
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 33
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. lcpdurnp - 0:0 host 192. 168. 10. 100 and port 25
D. telnet 192. 168. 10. 100. 143

Answer: C

NEW QUESTION 36
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 39
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 41
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 45
which version of SNMP can AuthPriv be used?

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

Answer: B

NEW QUESTION 46
A BIG-IP Administrator needs to configure a MAC masquerade address for traffic-group 1. Where on the GUI should this configuration be performed?

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

Answer: C

NEW QUESTION 51
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 54
An administrator notices the following log message generated by a BIG IP system " diskmonitor 011d005: Disk partition shared has less than 30% tree" 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 59
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 62
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 65
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 66
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 67
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 theserver 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 71
A BIG-IP Administrator configures three Network Time Protocol servers to keep the time of the devices in sync. Which tool should the administrator use to show the synchronization status with the Network Time Protocol servers ?

A. ntpdate
B. time
C. mpa
D. date

Answer: C

NEW QUESTION 73
In which FTP mode is the serve, responsible for initiating the data correction back to the client?

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

Answer: B

Explanation:
https://support.f5 com/csp/article/K08859735

NEW QUESTION 75
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 80
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 85
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 87
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
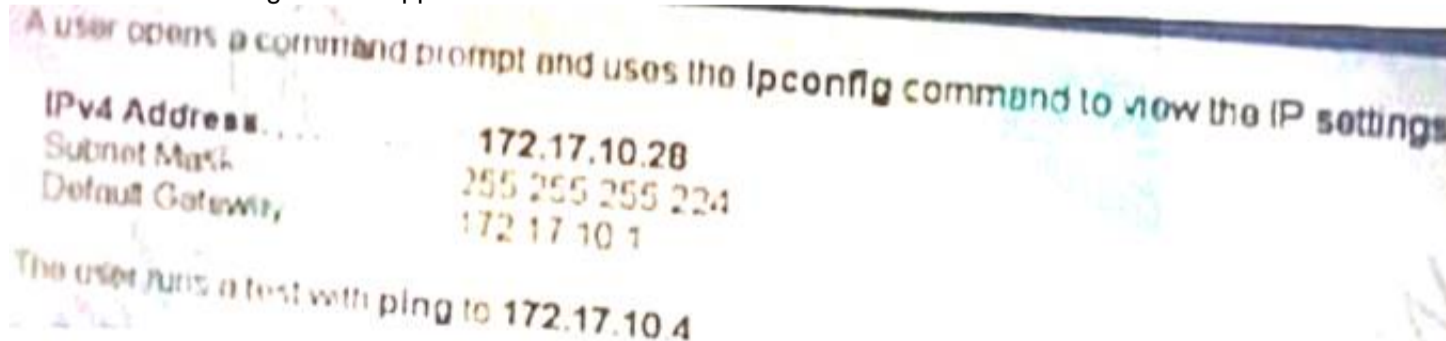D. using the server source port

Answer: B

NEW QUESTION 90
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 92
Which of the following would happen?

A user opens a command prompt and uses the Ipconfig command to view the IP settings

IPv4 Address. . . . : 172.17.10.28
Subnet Mask . . . . : 255.255.255.224
Default Gateway . . : 172.17.10.1

The user runs a test with ping to 172.17.10.4

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 94
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 98
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 103
A user wishes to retries a file from an FTP server
minimum of how many TCP connections are required to perform this action?

A. 3
B. 1
C. 4
D. 2

Answer: D

NEW QUESTION 107
What is a common use of an iRule?

A. to modify application traffic between the client and server
B. to create a reuseable application delivery template
C. to integrate a BIG IP into an enterprise orchestration tool
D. to create an accelerated session between two BIG-IP devices

Answer: A

NEW QUESTION 108
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 111
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 114
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 117
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 119
Which two protocol are used for the retrieval of email? (Choose two)

A. ICAP
B. SMTP
C. IMAP
D. POP3
E. SNMP

Answer: CD

NEW QUESTION 122
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
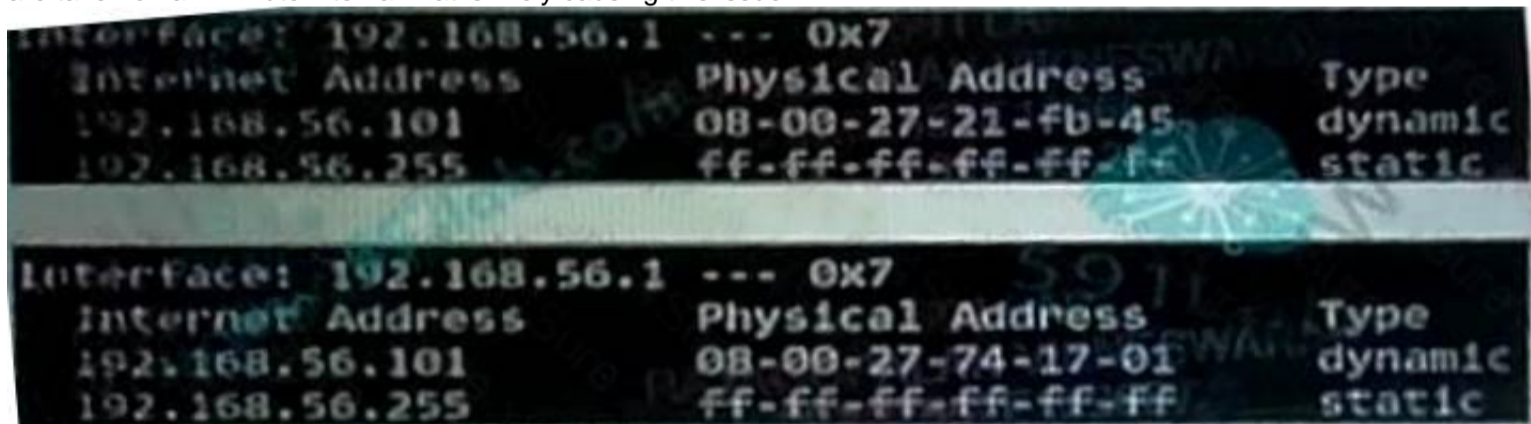D. End of Return to Manufacturing

Answer: A

NEW QUESTION 123
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 125
An administrator is having a connectivity issue with a server in the same network. Upon checking with the command arp -a on a Windows machine, the two outputs are taken on a 1 minute interval "hat is likely causing this issue?

A. Interface down
B. MAC address conflict
C. No route available
D. IP address conflict

Answer: D

NEW QUESTION 129
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 133
What does the 5XX group of HTTP status codes indicate?

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

Answer: D

NEW QUESTION 138
Wh.ch protocols .s used for control and sess.on establishment for streaming media?

A. RTP
B. RTSP
C. OTLS
D. SMB

Answer: A

Explanation:
https://enwikipedia org/wiki/Real_Time_Streaming_Protocol

NEW QUESTION 142
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 143
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
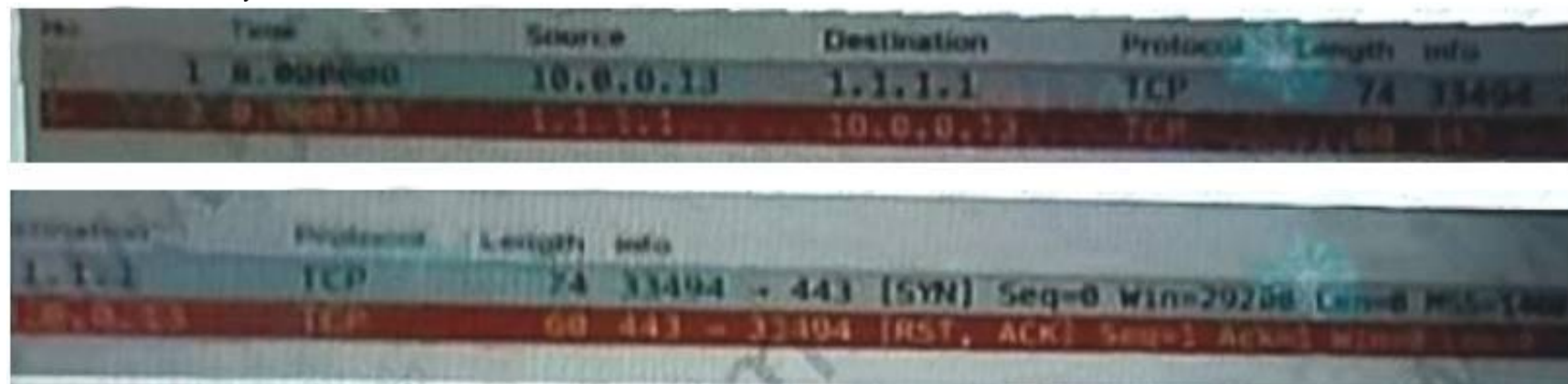
Answer: A

NEW QUESTION 146
Which protocol emphasizes reduced latency over reliability?

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

Answer: B

NEW QUESTION 149
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 152
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 155
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 156
A BIG IP Administrator needs to create a virtual server for a new secure end-to-end web application After change in configuration the virtual server .3 still marked down. The configuration of the virtual server and the pool member are correct. A quick server shows the status.

To fix the issue, what should the BIG-IP Administrator inform the web server administrator to do?

A. change web server configuration to use SSL/TLS
B. reboot the server
C. restart the web service
D. change web server configuration lo use SSH/SCP

Answer: A

Explanation:
If the application needs to be secure 'end-to-end'' the web server needs to use SSL as well. Most web servers will not required to HTTP requests when configured with HTTPS, so the monitor is failing.

NEW QUESTION 161
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 163
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 164
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 168
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 173
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 174
An application has a mix of both and short and long lived connections. Which algorithm would provide and event distributionof all connections across the pool?

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

Answer: B

NEW QUESTION 178
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 183
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 187
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

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NEW QUESTION 189
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 192
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 195
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
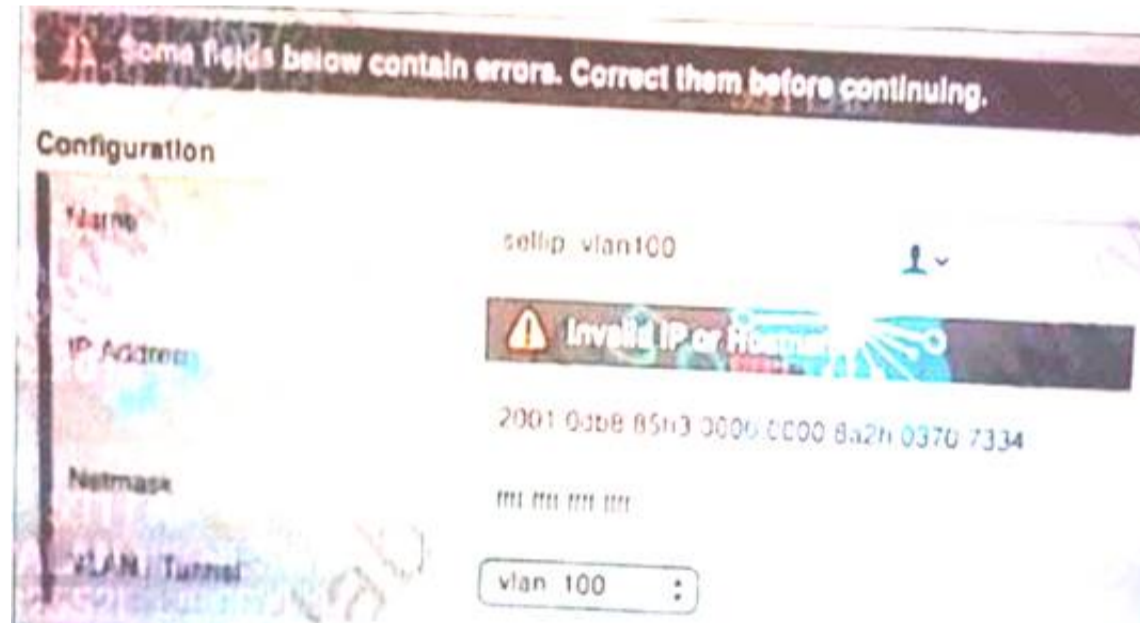
Answer: B

NEW QUESTION 200
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 204
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 209
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 212
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 214
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 216
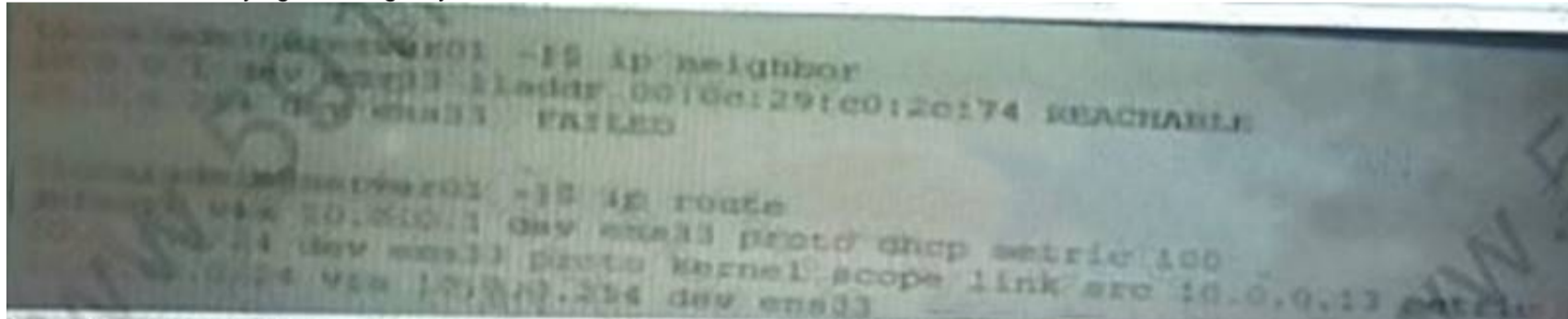A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG-IP device Mufti VLANS exist on
LACPO1.Which TMSH command should the BIGIP Administrator issue to add the new VLAN to the existing LACP trunk?

A. create net vlan VLAN40 (interfaces add (LACP01 {lagged)) 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 219
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 222
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 223
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 227
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 228
Comment calculator DNS error SERVFAL. HTTP 404 and SMTP error 550 are all examples of which type of error?

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

Answer: B

NEW QUESTION 233
Which protocol Authenticates network traffic between hosts end without encryption?

A. PPTP
B. GRE
C. IPSec AH
D. iPSec ESP

Answer: C

Explanation:
https//developer.ibmxom/answers.questions/37253/what-is-the-difference-between-the-ah-and- esp-port/

NEW QUESTION 234
An administrator needs to provide access to corporate resources for remote users. The administrator also needs to verify that the remote use has anti-virus software installed. Which F5 product provides this functionality?

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

Answer: B

NEW QUESTION 237
In IPv4 the loopback IP is 127 0.0.1. or IPv6, what is the loopback address?

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

Answer: D

NEW QUESTION 242
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