

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 intermediaries
- D. stop the web browser from automatically downloading malware

Answer: A

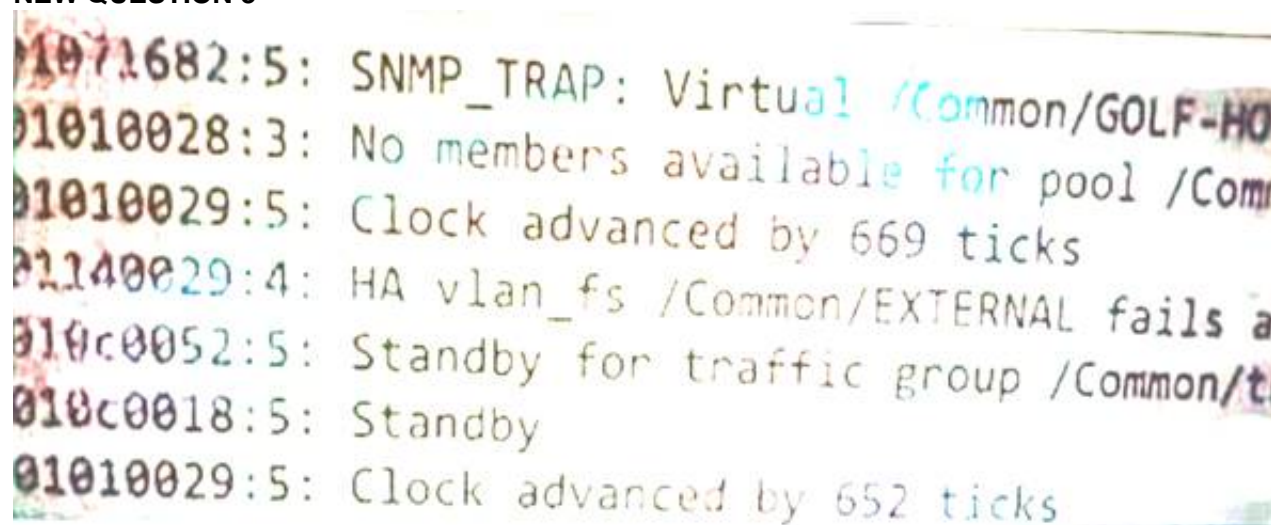
NEW QUESTION 2

What does HTTP status code 500 mean?

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

Answer: B

NEW QUESTION 3



```
1071682:5: 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 4

What does the HTTP status code 404 mean?

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

Answer: D

NEW QUESTION 5

in which scenario is a full proxy required?

- A. When a separation between client and server connection is needed
- B. When administration directly access the servers for administration
- C. when the server sends the response through the 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](https://devcentral.f5.com/articles/three-things-your-proxy-cart-do-unless-its-a-full-proxy)

NEW QUESTION 6

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](https://www.f5.com/services/support/support-offerings/big-ip-ihealth-diagnostic-tool)

NEW QUESTION 7

Where is the MAC masquerade address configured?

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

Answer: D

NEW QUESTION 8

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

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

Answer: D

NEW QUESTION 9

What should a BIG-IP Administrator configure to minimize impact during a failure?

- A. MAC masquerading
- B. Clone pool
- C. External monitors
- D. One Connect profile

Answer: A

NEW QUESTION 10

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

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

Answer: C

NEW QUESTION 10

What is the primary function of a certificate authority?

- A. to expire outdated certificates
- B. to verify and validate certificates
- C. to store security certificates
- D. to sign certificate signing requests

Answer: D

Explanation:

https://enWikipedia.org/wiki/Certificate_authority

NEW QUESTION 12

Which high availability feature allows two different BIG-IP devices to use the MAC address for the same server IP?

- A. HSRP virtual MAC address

- B. Device group
- C. Sync- failover
- D. MAC masquerade

Answer: D

NEW QUESTION 14

End users report widespread issues accessing multiple network resources

What tool should the BIG IP Administrator use to view the status of all virtual servers and associated resources in one place?

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

Answer: B

Explanation:

The network map shows a list Virtual, Pools and iRules with the status of each.

NEW QUESTION 19

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 21

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

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

Answer: C

NEW QUESTION 22

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 24

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/big>

ip_ltm/manuals/product/ltm-concepts-1-1-2-1/ltm_persist_files.html

NEW QUESTION 28

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 32

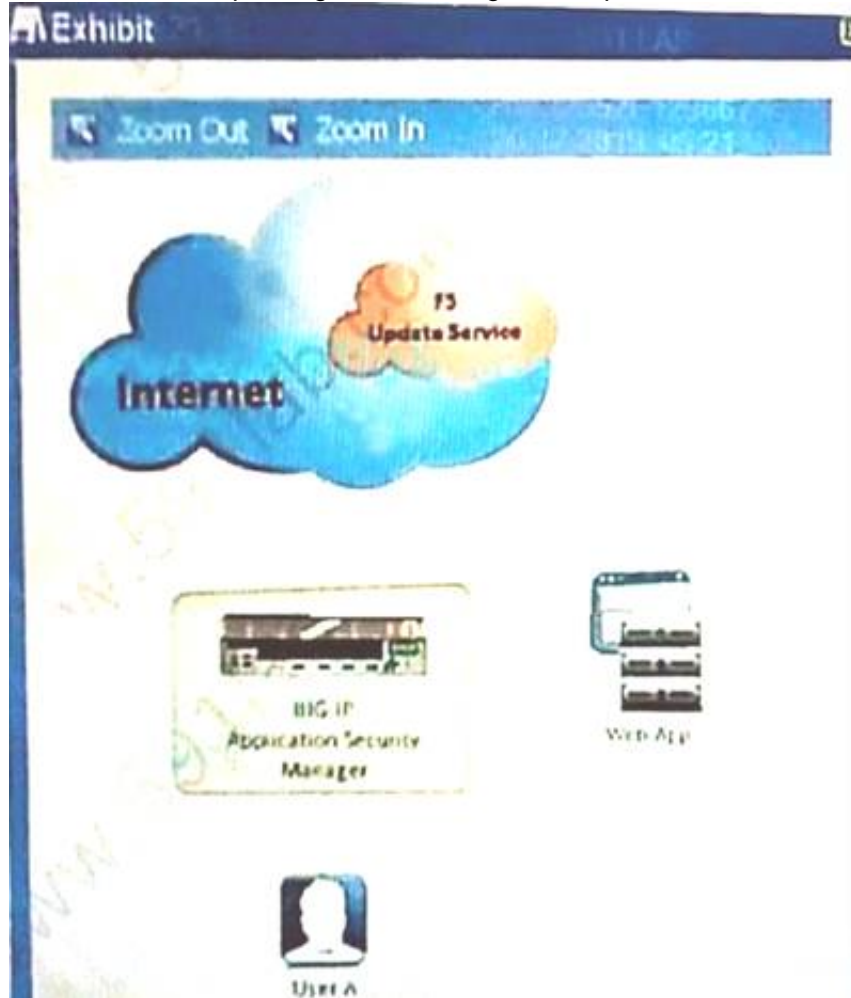
which version of SNMP can AuthPriv be used?

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

Answer: B

NEW QUESTION 35

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 36

10:20: 37 .00749:IP 199.16.255.254.36664>10.0.1.10 http : flags (s) seq 700424862, Win 29200

A website is fronted by a load balancer that implements a full proxy architecture with SNAT enabled Behind the load balancer there are two nodes Node 1 and node2

The administrator is debugging an issue on node 1 using icpdump and records the above output about a received packet on a watch device Does the IP address 192.168.255.254 belong to?

- A. node2
- B. node 1
- C. load balancer
- D. web Client

Answer: C

NEW QUESTION 41

When using LDAP for authentication, what is the purpose of the base DN?

- A. the search context starting point
- B. the directory's simple name
- C. the base attribute in an LDAP directory
- D. the fundamental naming convention

Answer: A

NEW QUESTION 46

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 48

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 50

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 52

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 56

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 60

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

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

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

Answer: B

NEW QUESTION 62

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

What is the likely cause of this error?

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

Answer: B

NEW QUESTION 63

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 65

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

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

Answer: A

NEW QUESTION 67

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 69

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 74

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 77

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 80

Which two protocols are used for the retrieval of email? (Choose two)

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

Answer: CD

NEW QUESTION 85

Which HTTP response code indicates an OK status?

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

Answer: C

NEW QUESTION 90

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 93

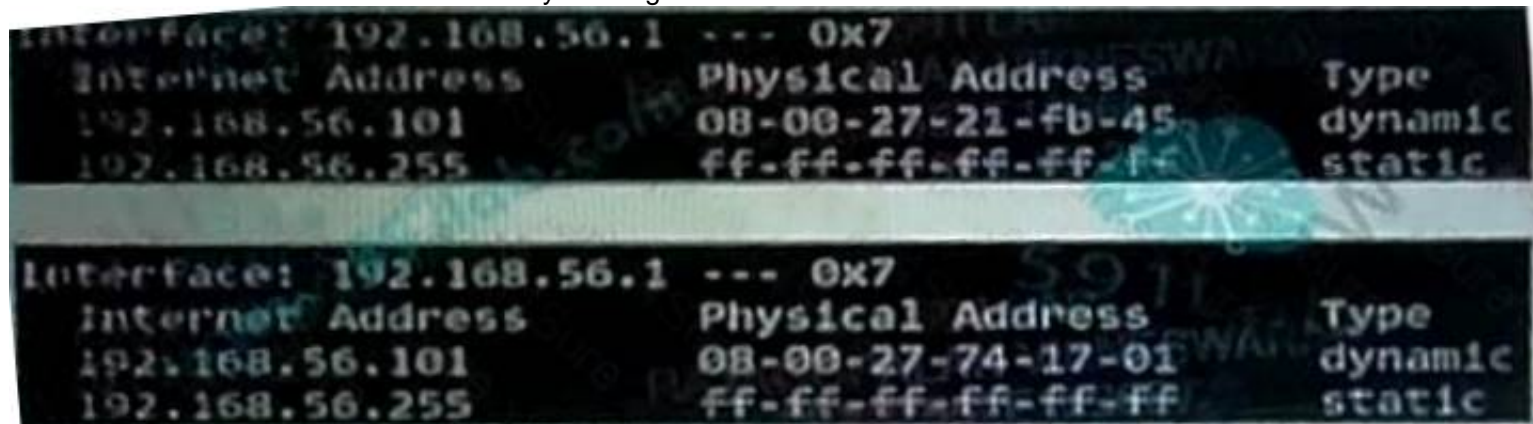
ARP provides translation between which two address types?

- 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 98

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?



Internet Address	Physical Address	Type
192.168.56.101	08-00-27-21-fb-45	dynamic
192.168.56.255	ff-ff-ff-ff-ff-ff	static

Internet Address	Physical Address	Type
192.168.56.101	08-00-27-74-17-01	dynamic
192.168.56.255	ff-ff-ff-ff-ff-ff	static

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

Answer: D

NEW QUESTION 101

Which two destination ports 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 102

Which protocols are used for control and session establishment for streaming media?

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

Answer: A

Explanation:

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

NEW QUESTION 105

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 109

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 113

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 114

Which Data Link 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 117

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 gracefully resume 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 121

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 126

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 130

Which security model provides protection from unknown attacks?

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

Answer: D

Explanation:

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

NEW QUESTION 135

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 139

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 141

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 142

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 144

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

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

D. DNS

Answer: B

NEW QUESTION 148

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 152

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 155

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 156

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

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

Answer: A

NEW QUESTION 159

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 163

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 164

What are two examples of network layer protocols? (Choose two)

- A. ARP

- B. TCP
- C. IPv4
- D. BGP
- E. ICMP

Answer: AE

NEW QUESTION 166

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

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

Answer: B

NEW QUESTION 167

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 168

The use of attack signature within an intrusion Detection System (IDS) is an application of which security model?

- A. Positive
- B. Context-based
- C. Negative
- D. Role-based

Answer: C

Explanation:

[https //www.dosarrpst.com/ddos-blog/the-difference-between-positive-s-negatto-wafi](https://www.dosarrpst.com/ddos-blog/the-difference-between-positive-s-negatto-wafi)

NEW QUESTION 170

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 173

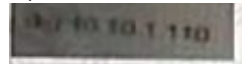
Web application [http://www example.com](http://www.example.com) at 10.10.1.1.10 is unresponsive.

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

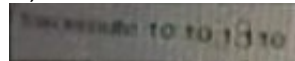
A)



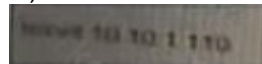
B)



C)



D)



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

Answer: C

Explanation:

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

NEW QUESTION 177

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