Exam Questions 101

Application Delivery Fundamentals

https://www.2passeasy.com/dumps/101/

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 hall duplex
D. Spanning Tree Protocols biochang the con

Answer: D

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
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 4
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 5
An organization needs to cryptographically sign its domains. Which F5 product provides this functionality?

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

Answer: A

Explanation:
https //devcentral f5 com/articles/the-tNg-ip gtm-configuring-dnssec

NEW QUESTION 6
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 7
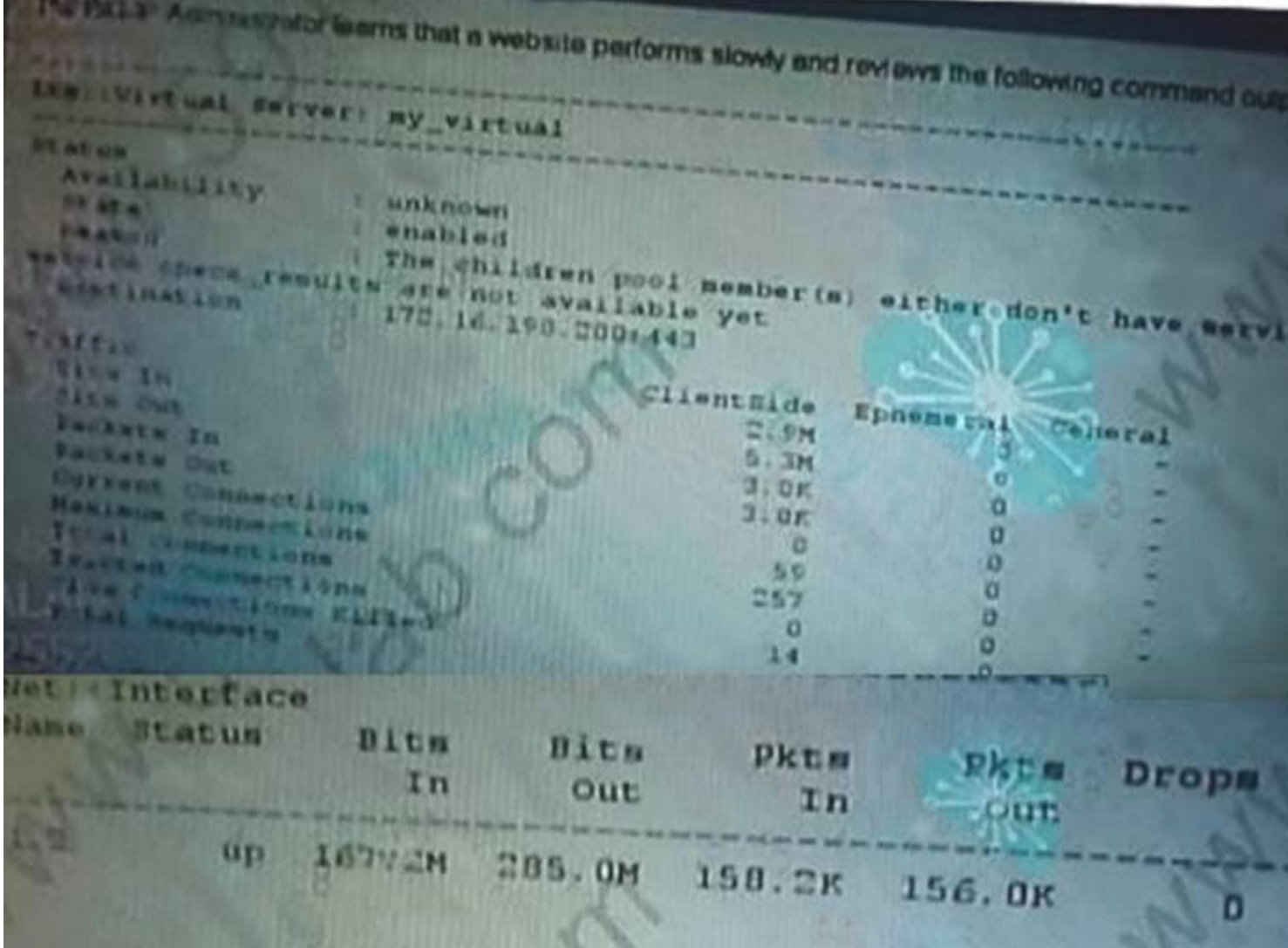Which type of certificate is pre-installed in a web browser's trusted store?

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

Answer: A

NEW QUESTION 8
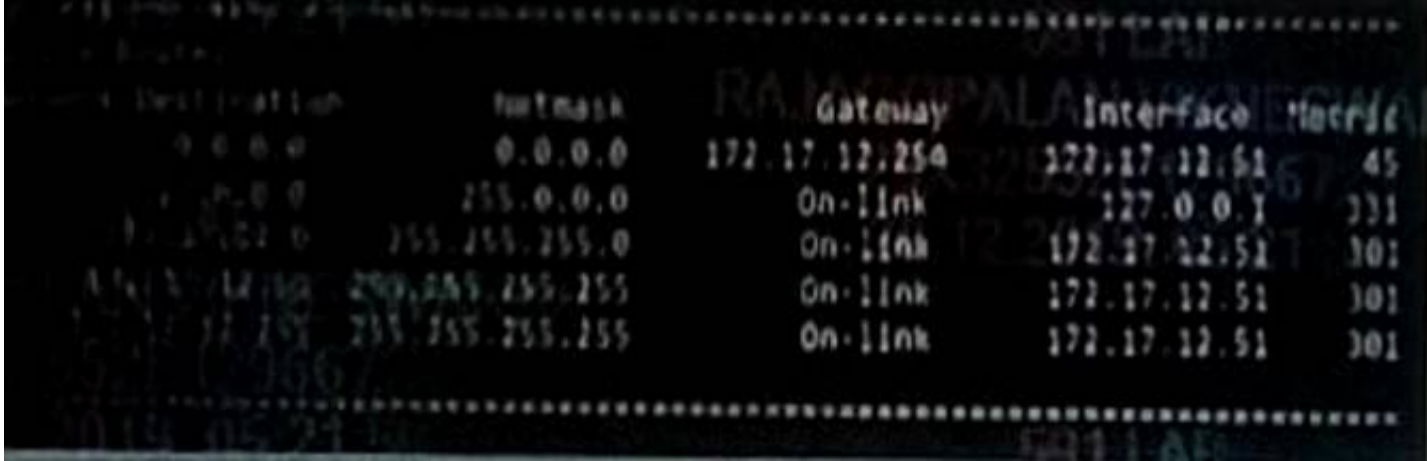What should the administrator investigate first to address this traffic slownes

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 9
What is the nest hop used to send traffic to reach 192.168.1.50?

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

Answer: C

NEW QUESTION 10
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 10
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 until 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 uni
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 un.t with higher unit ID The other unit wilt use the system's actual interface(s) MACaddress

Answer: C

Explanation:
https://support.f5.com/cp/article/K13502

NEW QUESTION 14
What we 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
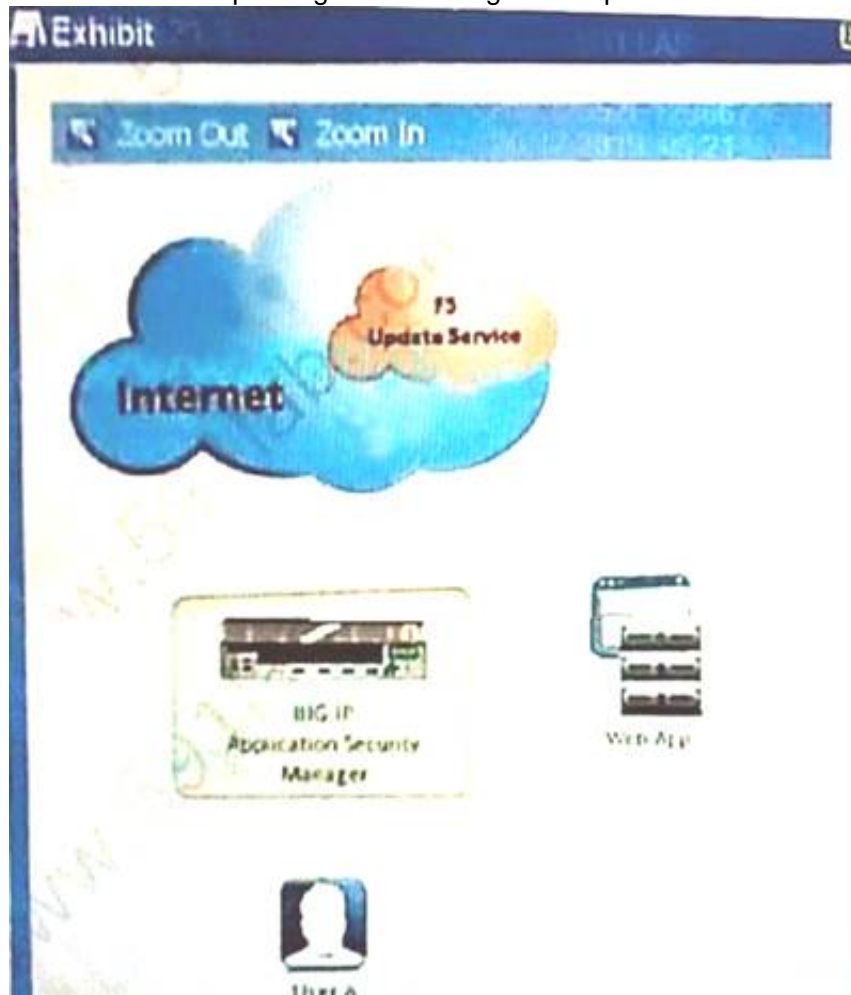
Answer: BC

NEW QUESTION 16
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 19
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 22
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 25
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 26
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 31
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 32
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 33
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 addres
B. 192.168.10 255 is the broadcast addres
C. There are 16382 addressable hosts
D. 192. 168. 0. 0 is the network address 192 168 15 255 is the broadcast addres
E. There are 4094 addressable hosts
F. 192.168. 0.0 is the network addres
G. 192 168 16 255 is the broadcast addres
H. There are 1022 addressable hosts
I. 192. 168.16. 0 is the network address, 192 168 31 255 is the broadcast addres
J. There are 409J addressable hosts

Answer: B

NEW QUESTION 38
A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG IP device, Multiple other VLANs exist on LACP01.Which TMSH command should the BIG IP Administrator issue to add the new VLAN lo the existing LAC?
A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named IACP01) connected to the BIG IP device Multiple other VLANs exist on LACP01. Which TMSH command should the BIG IP Administrator issue to add the new VLAN to the existing LAC?

A. create net vlan VIAN40 (interfaces replace all with {LACP01 (untagged } } lag 40)
B. create net vian VLAN40 (interfaces add { LACP01 {tagged} tag JO J
C. create net vian VLAN40 {interfaces add (LACP01 {untagged)) tag 40}
D. create net wan VLAN40 {interfaces replace all with {LACP01 {tagged]} lag 40 }

Answer: B

Explanation:
Tagged" VLAN is how F5 refers to a VIAN within an 802.1q trunk. The fact that it is an FS trunk' or an LACP/etherchannel link only changeshowthe interface is referred to in the command.

NEW QUESTION 40
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 44
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 47
A company recentlyopened a new branch site. The site needs to access the internet through a link to HQ.Therouter at the branch Branch1 the router at HQ is Called core1. The computers at the branch site reside on the network 192 168 1 0/24 directly connected to Branch1 Users at HQ can already access the Internet.What routing must be configured to achieve the required internet connectivity for the branch site?

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

Answer: A

NEW QUESTION 52
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 53
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 54
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 57
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 62
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 64
What is a benefit of configuring BIG-IP devicesin active-active high availabilitymode?

A. avoid Overload on the BIG-P system in theevent of a failover
B. allows full utilization of hardware purchased
C. reduces troubleshooting complexity
D. provides ability to upgrade a member of the pair without disruption

Answer: B

NEW QUESTION 69
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 74
Given the service list of a server shown, the administrator needs to determine why users are unable to resolve the IP addresswww.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 75
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 80
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 83
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 84
A server is operating on the network 10.100/24. The BIG-IP device is operating on the 192.168.0.0/24 net. What is required to enable the several and BIG-IP device to communicate properly?

A. Firewall
B. Switch
C. Router
D. Hub

Answer: C

NEW QUESTION 89
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 94
Which protocol emphasizes reduced latency over reliability?

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

Answer: B

NEW QUESTION 96
Which Datalink sublayer has the primary funcl.cn of proving node lo node flow and error control?

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

Answer: A

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

NEW QUESTION 97
In 200 db8 IPv6 address block is allocated to a load balancer for use as virtual server addresses. The address block balancer set ip address using a static route. What is the representation for the last address in the address block that a virtual server can use?

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

Answer: D

NEW QUESTION 101
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 105
Which two OSI layers map lo IP subnetting and TCP window sizing functions? (Choose two)

A. Application
B. Data Link
C. Transport
D. Network Session

Answer: D

NEW QUESTION 109
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 112
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 117
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 119
An administrator needs to lower .he amount of new TCP connections to help with network congest? How should the administrator accomplish this?

A. Use HTTP keep-alive
B. set a larger receive window
C. Enable delayed ACKs
D. use an indefinite timeout

Answer: A

NEW QUESTION 120
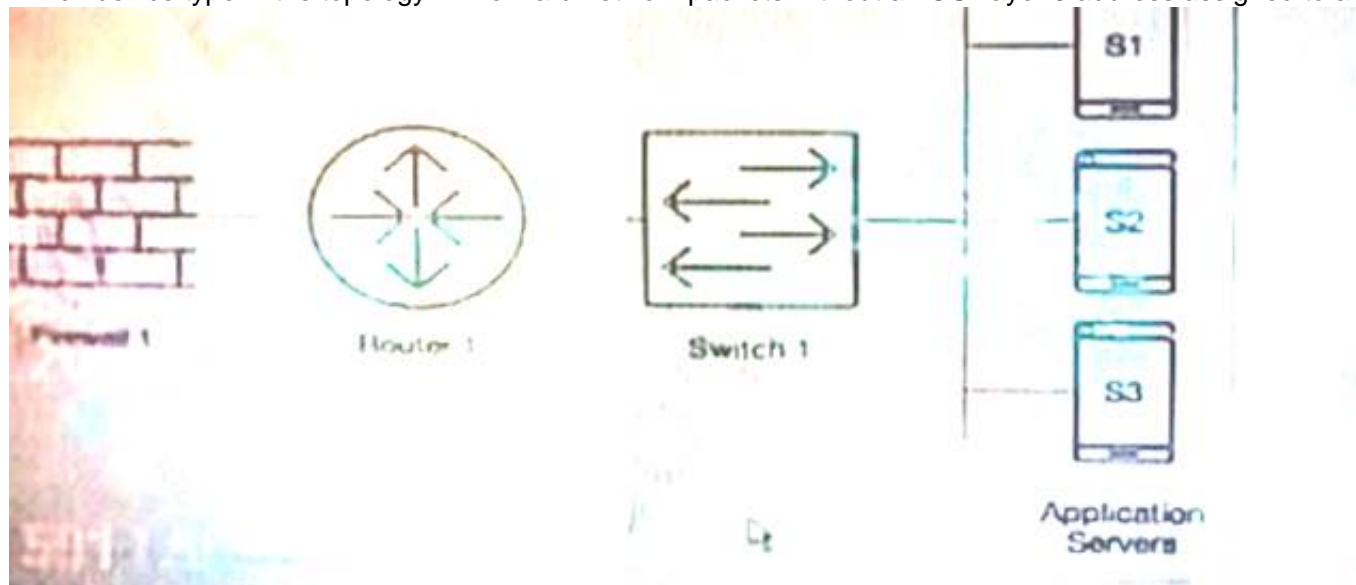HTTPS traffic is being passed from behind a NAT router, through a load balancer, to servers without being decrypted.
What is the F5-recommended persistence method in this situation?

A. SSL session ID persistence
B. source address persistence
C. SIP persistence
D. destination address persistence

Answer: A

NEW QUESTION 122
Which device type in the topology will forward network packets without an OSI layer 3 address assigned to a data plane interface?

A. Router
B. Firewall
C. Application Server
D. Switch

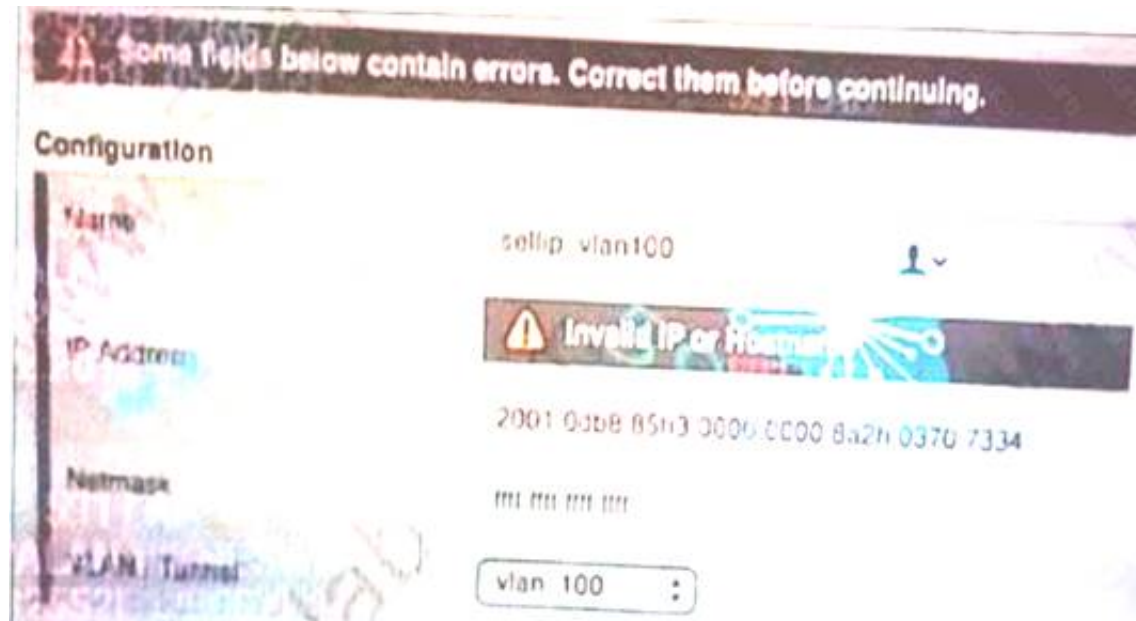**Answer:** D

NEW QUESTION 125
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 130
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 133
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 135
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 138
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 139
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

NEW QUESTION 144
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 148
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 153
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 158
In IPv4 the loopback IP is 127 0.0.1. or IPv6, what is the loopback address?
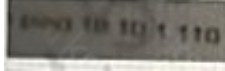
A. FEBO::1
B. FF8Q 0.0 : :1
C. 2001 :: 127 : : 1
D. : : 1

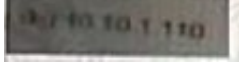**Answer:** D

NEW QUESTION 161
Web application 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?
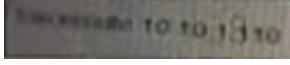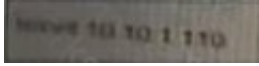A)

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 162
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