F5-Networks

Exam Questions 101

Application Delivery Fundamentals

NEW QUESTION 1
Tl 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
A client receives all of the expected data from a server and sends a FIN packet signaling the end of communication. What will the server do when it receives the FIN Packet from the client?

A. send a SYN packet
B. send an RST packet
C. Send both FIN and RST packets
D. send an ACK Packet

Answer: D

Explanation:
https://www.geeksforgeeks.org/computer-networ-tcp-connection-termination/

NEW QUESTION 3
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 4
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 5
An administrator sets up a web server for a new web application. The administrator cannot access the web server at is causing this issue?

A. The HTTP service only listens on localhost
B. The users IP needs to be allowed to access
C. The server needs to be restarted
D. The HTTPS service Is not running

Answer: A

NEW QUESTION 6
Client traffic for a web application is managed by load balancers in a high availability configuration. After a failover event all clients ant forced to login again to the application.
What is the most like reason this occurred?

A. Clients were sending request to failed load balancer
B. correction mirroring configuration was NOT configured on the loadbalancer

C. The server was responding to the failed load balancer
D. SSL offloading was NOT configured on the load balancer

Answer: B

NEW QUESTION 7
HTTPs traffic is not working properly. What is the likely reason for the issue?

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

Answer: C

NEW QUESTION 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
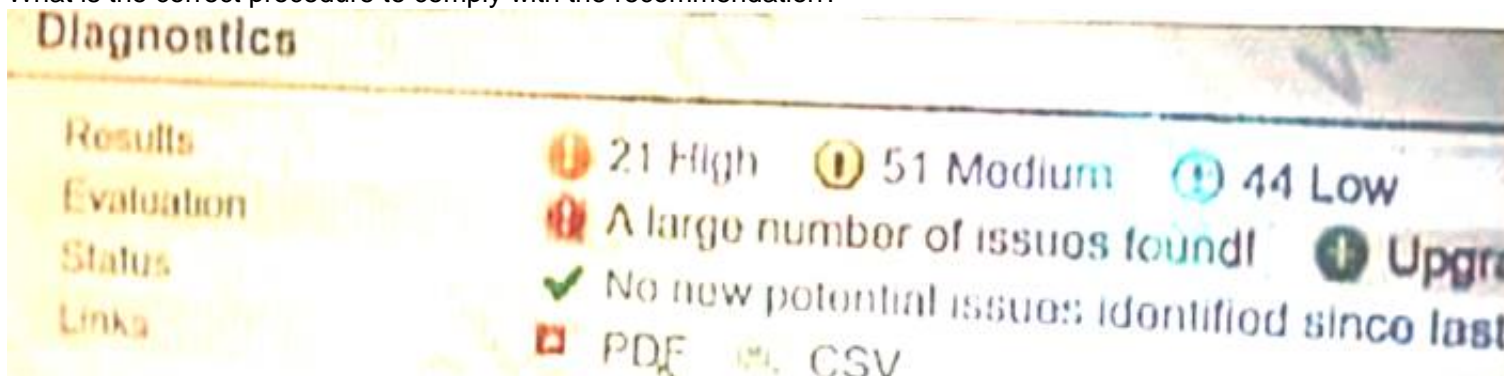C. Network
D. Application

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
What is the correct procedure to comply with the recommendation?

A. Download the product version image from ihealth f5 com
B. Download the product version image from support 6 com
C. Download the product version image from dovcentral f5.com
D. Download the product version image from downloads f5.com

Answer: D

NEW QUESTION 10
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 11
What are Iwo examples of failover capabilities of BIG-IP? (Choose two)

A. failing over based on an over temperature alarm
B. failing over serial cable based on electric failure code
C. II failing over network connection based on heartbeat detection
D. fading over network connection based on SNMP error
E. failing over serial cable based on voltage detection

Answer: CE

NEW QUESTION 16
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 18
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 23
VLAN test-vlan" is configured on interface 1 1 instead of interface 1.2. Which TMSH command should be used to correct this issue?

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

Answer: C

NEW QUESTION 26
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 27
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 32

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 36
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 37
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 39
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 40
When using LDAP for authentication, what is the purpose of the base ON?

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 44
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 45
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 50
A user fails to provide credentials when requesting a web resource that requires authentication. Which HTTP response code does the server send?

A. HTTP 200
B. HTTP 302
C. HTTP 401
D. HTTP 502

Answer: C

Explanation:
https://httpstatuses.com/401

NEW QUESTION 51
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 52
An administrator needs to restore the BIG-IP configuration from a UCS file In which section in the BIG IP Configuration utility is this task performed?

A. System > Archives
B. System > Services > Backup
C. System > Backup
D. System > File Management

Answer: A

NEW QUESTION 56
Which techology can be used on a BIG-IP device to accelerate the delivery of the same content to multiple user?

A. persistence
B. SSL offloading
C. Compression
D. caching

Answer: D

NEW QUESTION 57

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 62
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 65
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 69
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 74
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 75
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
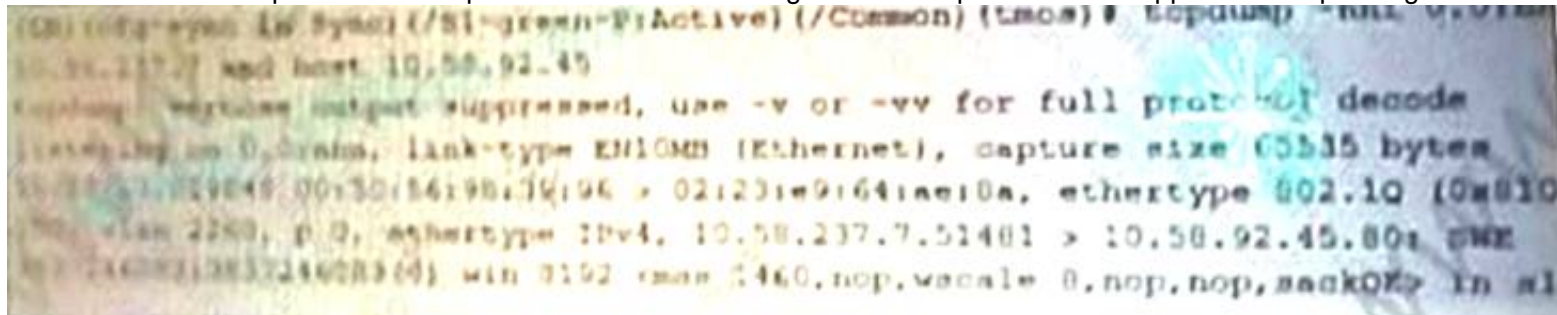
NEW QUESTION 80
A load balancer receives a TCP SYN packet from a client and immediately sends the packet on to a server. This is an example of which type of solution?

A. packet forwarding architecture
B. Full proxy architecture
C. TCP compression
D. TCP optimization

Answer: A

NEW QUESTION 81
BIG-IP Administrator performs the capture as shown in the image! On which protocol is the application responding?

A. RDP
B. HTTPS
C. DNS
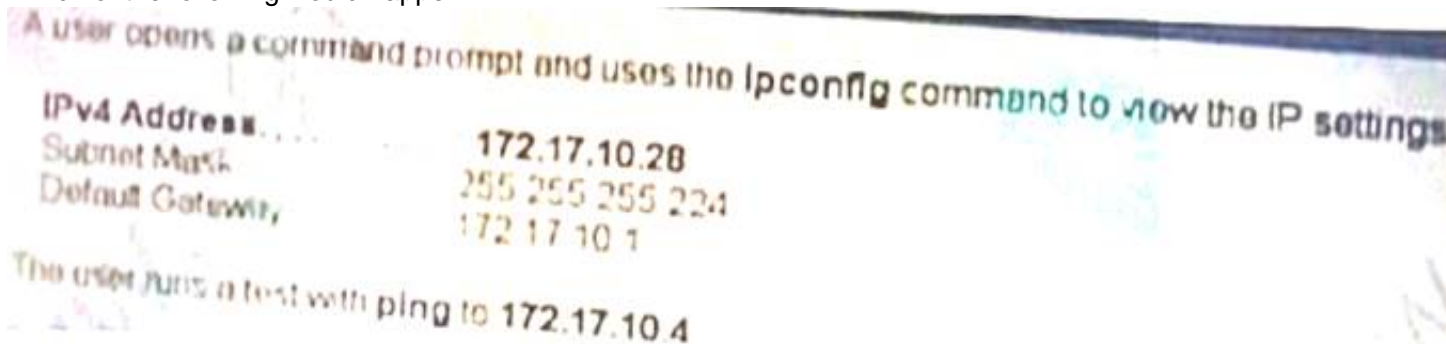D. HTTP

Answer: D

NEW QUESTION 86
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 88
Which of the following would happen?

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 91
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 96
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 100
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 103
ICMP is used by which command line tool?

A. curt
B. tcpdump
C. traceroute
D. nslookup

Answer: C

NEW QUESTION 104
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 105
What does the 5XX group of HTTP status codes indicate?

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

Answer: D

NEW QUESTION 109
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 112
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 117
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 120
Which protocol emphasizes reduced latency over reliability?

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

Answer: B

NEW QUESTION 121
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 124
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 126
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 130
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 134
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 137
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. 27networks each with 30 hosts

Answer: C

NEW QUESTION 140
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 requestsAll 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. Hearth checks for nodes and pool members
C. Dynamic routing protocols
D. TCP Keepalives for nodes and pool me

Answer: B

Explanation:
Health checkstypically will be sent via the tmm interface based on the tmm routing configuration

NEW QUESTION 144
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 148
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:
htlps://wiki wireshark orgn/TCP%20ZeroWindow

NEW QUESTION 152
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 155
Web application http://www.example.com at 10.10.1.1.110, is unresponsive. A recent change migrated DNS to a new platform

A. telnet www example com 80
B. curl http //www example com
C. dig www example com

D. telnet 10.10.1. 110. 80

Answer: C

Explanation:
Telnet will open a socket to the http server, but the request would need to be manually input Curlwill send a request and output the response.

NEW QUESTION 159
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 163
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 167
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 169
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 170
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 175
A BIG IP Administrator need to perform a packet capture and identify the source IP that is connecting to the Virtual Server.
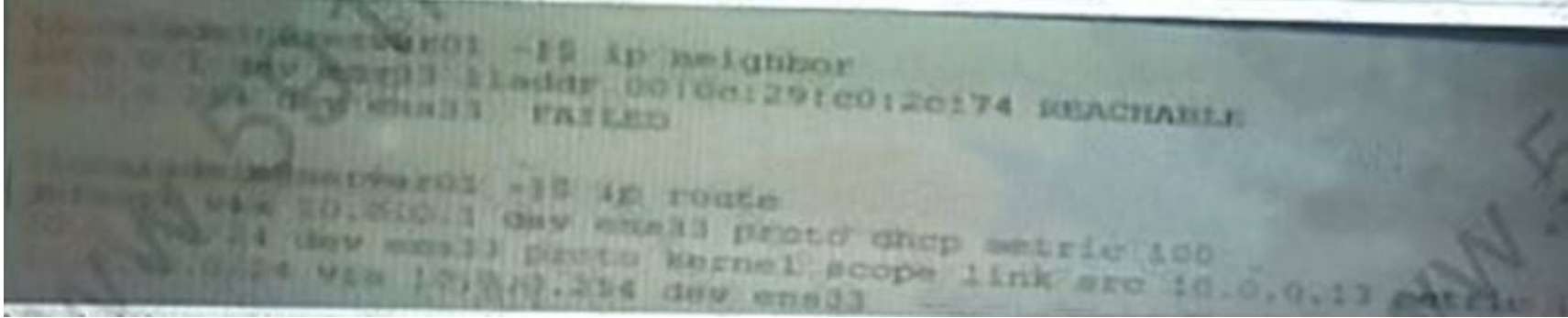Which utility should the administrator use on the BIG IP device?

A. leinel
B. traceroute

C. ping
D. tcpdump

Answer: D

NEW QUESTION 177
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 182
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 183
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 186
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 189
A BIG-IP administrator is interested in using some of the vCMP What should impact the administrator's decision?

A. vCMP is available on all F5 hardware platforms.
B. vCMP is only available on the virtual edition
C. vCMP is hardware independent
D. vCMP is only available on certain F5 platforms

Answer: D

NEW QUESTION 193
......

Thank You for Trying Our Product

We offer two products:

1st - We have Practice Tests Software with Actual Exam Questions

2nd - Questons and Answers in PDF Format

101 Practice Exam Features:

* 101 Questions and Answers Updated Frequently

* 101 Practice Questions Verified by Expert Senior Certified Staff

* 101 Most Realistic Questions that Guarantee you a Pass on Your FirstTry

* 101 Practice Test Questions in Multiple Choice Formats and Updatesfor 1 Year

100% Actual & Verified — Instant Download, Please Click

Order The 101 Practice Test Here