101 Dumps

Application Delivery Fundamentals

https://www.certleader.com/101-dumps.html

NEW QUESTION 1
in which scenario is a full proxy TCP connection required?

A. when DNS load balancing is performed
B. When source NAT is demanded
C. when the client source IP address is sent to the server
D. when the client and server connection are decoupled

Answer: D

NEW QUESTION 2
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 3
Where is the MAC masquerade address configured?

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

Answer: D

NEW QUESTION 4
A BIG-IP Administrator contacts F5 Support and is asked to upload a Support Snapshot. Which command should be entered to the CLI to generate the requested file?

A. imsh generate snapshot
B. tmsh tcpdump
C. tmsh save sys ucs support
D. tmsh qkview

Answer: D

NEW QUESTION 5
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 6
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 7
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 8
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 9
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. Icpdurnp - 0:0 host 192. 168. 10. 100 and port 25
D. telnet 192. 168. 10. 100. 143

Answer: C

NEW QUESTION 10
Which type of certificate is pre-installed in a web browser's trusted store?

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

Answer: A

NEW QUESTION 10
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 toad balancer that implements a full proxy architecture with SNAT enabled Behind the load balancer there are bro nodes Node 1 and node2
She administrator is debugging an issue on node 1 using icpdump and records the above out about a received packet o watch device does the IP address 192 168 265 254" belong?

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

Answer: C

NEW QUESTION 13
in which scenario is a full proxy TCP connection required?

A. when IP Anycastmg is enabled
B. when routing is enabled
C. when the number of TCP connections to the server must be optimized
D. when the client TCP connections options must be sent to the server

Answer: C

NEW QUESTION 14
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 15
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 20
in which scenario would an SSL VPN solution have an advantage over an IPSec VPN?

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

Answer: C

NEW QUESTION 24
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
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 28
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 30
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 35
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 38
Which protocol does an internet host use to request the hardware address of an IP address?

A. Reverse Address Resolution Protocol (RARP)
B. Address Resolution Protocol (ARP)
C. BOOTP
D. Dynamic Host Configuration Protocol (DHCP)

Answer: B

NEW QUESTION 41
An administrator wants to insert per-session data in a users browser so that user requests are directed to Which session persistence method should the administrator use?
the same session

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

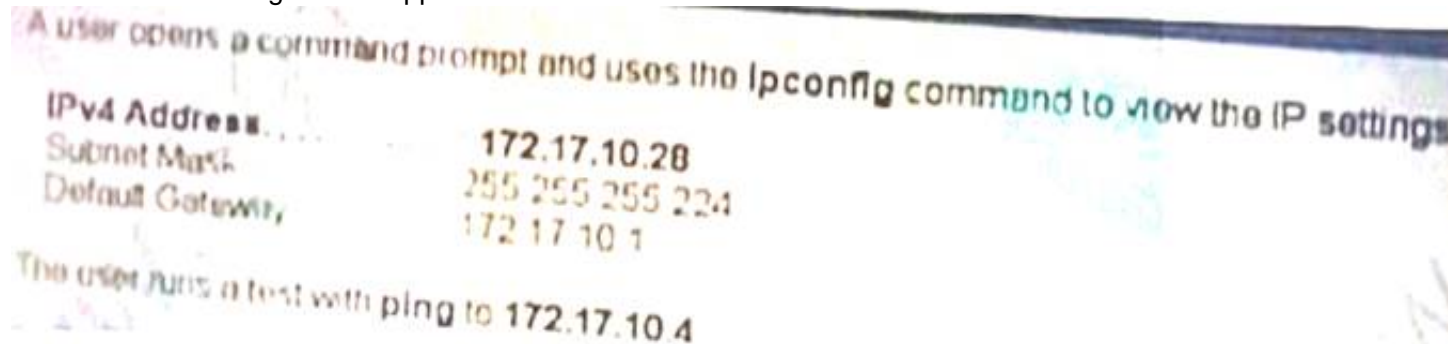**Answer:** D

Explanation:
https.//support B.com/csp/article/K83419154

NEW QUESTION 43
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 46
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 47
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 52
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 53
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 54
ICMP is used by which command line tool?

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

Answer: C

NEW QUESTION 59
Which of the following is a valid IP address and prefix length?

A. 192. 168.:0 177/25
B. 192 168:0. 129/25
C. 192.168:0 128/25
D. 192 168 :0 255/25

Answer: B

NEW QUESTION 62
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 65
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 69
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 72
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 77
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
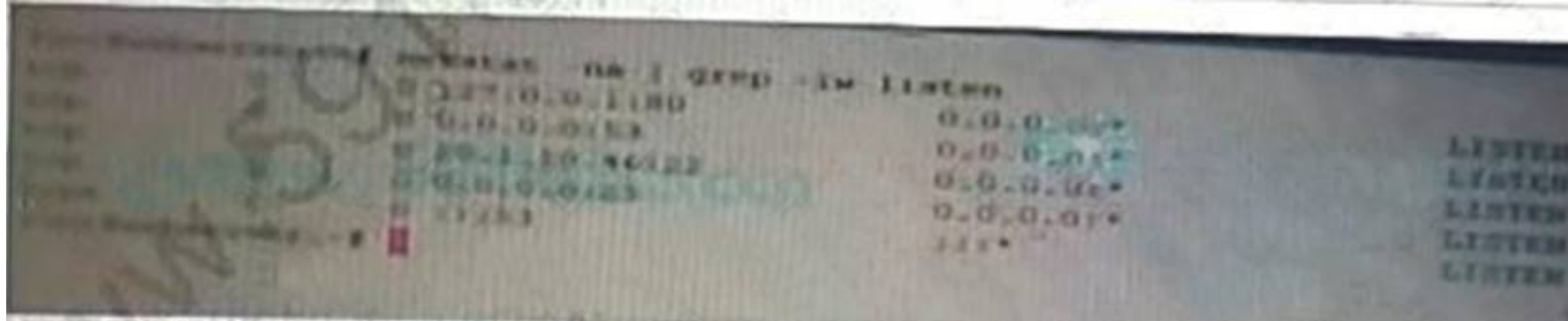
Answer: C

NEW QUESTION 81
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 84
An administrator configures secure remote access to a server's shell Given the netstal output, what did the administrator configure?

A. teinet
B. allowing connections only from IP address 10 .1. 10.46
C. ssh
D. listening on IP address 10. 1. 10.46
E. ssh
F. allowing connections only from IP address 10.1. 10. 46
G. teinetd listening on IP address 10.1. 10. 46

Answer: B

Explanation:
Although it appears telnet is configured in this example (!) it is listening on all IP addresses of the system while ssh (port 22) is only on the 10.1.10.46 address.

NEW QUESTION 86
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 87
In the Network Map a red diamond appears next to the three member servers in the Virtual Server's pool. The nodes in the pool each show a green circle. What is the most likely reason for this scenario?

A. The pool members health monitor has been disable
B. The pool members have been disabled
C. The pool members have been powered off
D. The pool member services have been shut down

Answer: D

NEW QUESTION 88
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 90
A BIG-IP Administrator has a cluster of devices.
What should the administrator do after creating a new Virtual Server on device 1?

A. synchronize the settings of device 1 to the group
B. create a new cluster on device 1
C. create the new virtual server on device 2
D. synchronize the settings of the group to device 1

Answer: A

NEW QUESTION 93
In an administrator's environment, the administrator wants to inspect a high volume of SSL traffic What should be used for this task?

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

Answer: C

NEW QUESTION 94
The 2001:db8: : IP6 address block is allocated to a load balancer for use as virtual server addresses. The address block is routed to a balancer self IP address using a static route. What is the correct representation for the last address in the address block that a virtual server can use?

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

Answer: C

NEW QUESTION 97
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. ifconsfig

Answer: C

NEW QUESTION 99
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 104
An administrator needs a data a format that is support authentication against an external security domain. The data format must format support SSO. Which data format should the administrator choose?

A. AAA
B. Kerberos
C. SAML
D. EAP

Answer: C

NEW QUESTION 107
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 109
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 110
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 113
The BIG-IP device has the following configured routes:

Which gateway will be chosen to send the packet to the destination 10 238 10 11?

A. 192. 168 10 20
B. 192. 168.10. 40
C. 192 168. 10. 30
D. 192. 168. 10. 10

Answer: A

NEW QUESTION 115
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 117
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 120
What command sends an "Echo Request' message and expects an "Echo Reply" message?

A. ping
B. netstal
C. tcpdump
D. echo

Answer: A

NEW QUESTION 123
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 128
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.
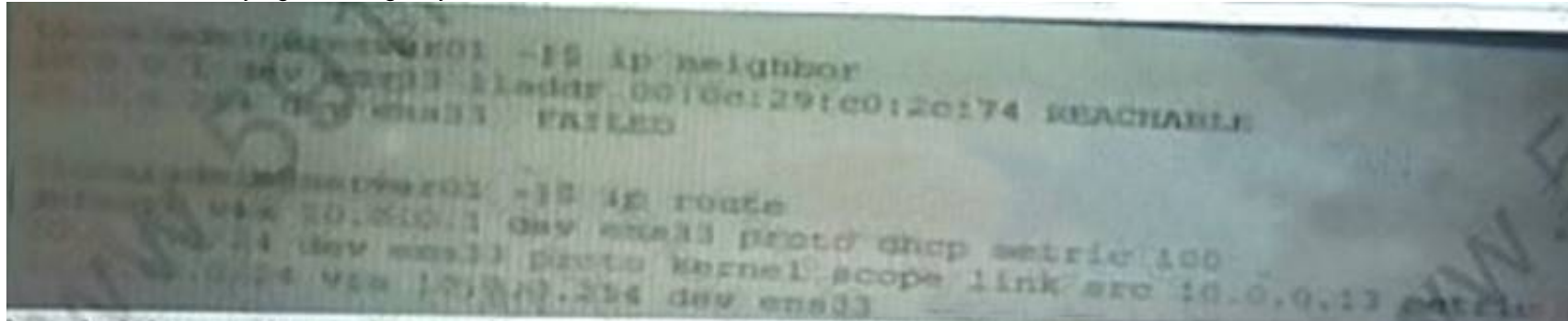
The administrator inspects the routing table and ARP table on the affected server. Given the terminal output shown, what could be causing this issue?

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 129
A new virtual server is being tested to replace http://myapp.mydomain.com. The original virtual server is still on use. And the new virtual server is on a different ip address. What should be done to test this new virtual server using the fully quailed domain name for this application?

A. add a DNS record for the fully qualified domain name
B. add the fully qualified domain name to the browser cache
C. make an entry in the client host file
D. make an entry in the web server services file

Answer: C

NEW QUESTION 131
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 135
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 138
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 141
A BIG-IP Administrator needs to open a case with F5 Support for a specific issue with an existing HA pair of BIG-IP platform. What should be uploaded to iHealth prior to opening the case to expedite processing of the support case?

A. UCS file
B. SCF filo
C. tcpdump file
D. Qkview file

Answer: D

NEW QUESTION 145
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 146
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 147
An administrator needs to connect a new device to a switched network. The interconnect must be both redundant and combined bandwidth than a single link Which low-level protocol will help facilitate this?

A. Link Aggregation Control Protocol (LACP)
B. Link Allocation & Configuration Protocol (LACP)
C. Link Local Distribution Protocol (LLDP)
D. Link Layer Discovery Protocol (LDP)

Answer: A

NEW QUESTION 148
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 152
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

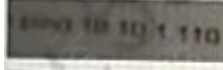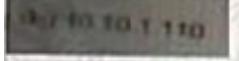**Answer:** B

NEW QUESTION 153
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?
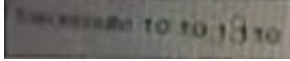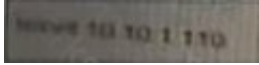A)

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 157
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