

F5-Networks

Exam Questions 101

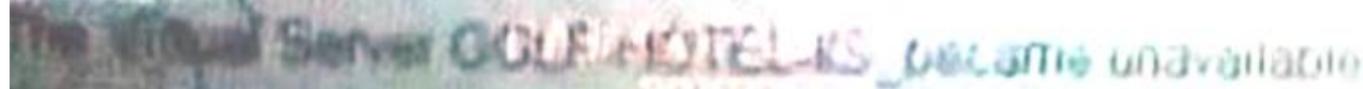
Application Delivery Fundamentals



NEW QUESTION 1

```

01071682:5: SNMP_TRAP: Virtual /Common/GOLF-HO
01010028:3: No members available for pool /Comr
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 2

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-cant-do-unless-its-a-full-proxy>

NEW QUESTION 3

An administrator sets up a web server for a new web application. The administrator cannot access the web server and 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 4

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.com

D. www.f5.Com

Answer: B

Explanation:

<https://www.f5.com/services/support/support-offerings/big-ip-ihealth-diagnostic-tool>

NEW QUESTION 5

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 functionality?

- A. APM
- B. ASM
- C. GTM
- D. AFM

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 are forced to login again to the application.

What is the most likely reason this occurred?

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

Client A from the 192.168.0.0/24 network wants to send a Ping to Client B on 10.10.10.0/24.

- > The Default Gateway from Client A is 192.168.0.1
- > The MAC Address of Client A is 00:11:11:11:11:11
- > The MAC Address of client B is 00:22:22:22:22:22
- > The MAC Address of Default Gateway is 00:33:33:33:33:33

What is the destination MAC Address of the ping packet when it leaves client A interface card?

- A. 00:11:11:11:11:11
- B. f1:f1:f1:f1:f1:f1
- C. 00:33:33:33:33:33
- D. 00:22:22:22:22:22

Answer: C

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

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

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 10

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 15

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 19

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 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

An administrator takes a capture of five Traffic using tcpdump. The administrator notices that different ephemeral port numbers are architecture does this indicate?

- A. packet-based architecture
- B. full proxy architecture
- C. hub and spoke architecture
- D. ring network architecture

Answer: B

NEW QUESTION 28

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/lrm-concepts-1-1-2-1/lrm_persist_files.html

NEW QUESTION 33

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 37

In which scenario is a full proxy TCP connection required?

- A. TCP routing
- B. IPv4 to IPv6 gateway
- C. UDP routing
- D. UDP to ICMP gateway

Answer: B

NEW QUESTION 42

A BIG-IP Administrator needs to upgrade an HA pair to a more recent TMOS version. The administrator is unsure if the BIG-IP is currently supported. How should the administrator verify that the HA pair is under a valid support contract?

- A. confirm that "License OK" is set to yes in the applied license
- B. confirm that the "Service Check Date" specified in the applied license has not passed
- C. Check the status of the license under the Platform menu of the F5 Configuration Utility
- D. review /var/log/license for messages that indicate an expired license

Answer: C

NEW QUESTION 44

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 46

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 51

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 unit 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 unit
- D. The standby unit will use the system's actual interface(s) MAC address
- E. The MAC masquerade address will only be used by the unit with higher unit ID. The other unit will use the system's actual interface(s) MAC address

Answer: C

Explanation:

<https://support.f5.com/cp/article/K13502>

NEW QUESTION 53

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 58

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 > traffic-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 62

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 63

In the context of load balancing, what does the term persistence" refer to?

- A. Ensuring requests from a single source always end up being handled by the same server.
- B. the ability to associate different HTTP requests to a single user so that activity can be tracked.
- C. Keeping TLS session key information in memory so sessions can be quickly resumed
- D. the ability to keep idle connections open as long as possible by sending dummy traffic periodically

Answer: A

NEW QUESTION 66

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 67

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 71

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 73

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 74

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 77

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 79

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 the server 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 82

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 86

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 91

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 93

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 95

An administrator needs a remote VPN solution for corporate users. The existing network infrastructure has web-based services. The administrator needs to select the VPN that is the least complicated to deploy. Which VPN solution should the administrator choose?

- A. IPSec
- B. L2TP
- C. SSL
- D. PPTP

Answer: A

NEW QUESTION 100

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 102

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 103

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 105

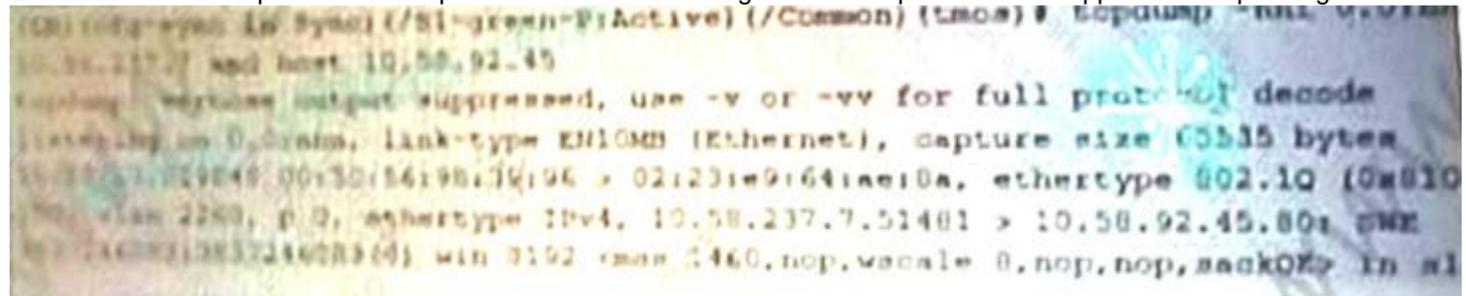
A company recently opened a new branch site. The site needs to access the internet through a link to HQ. The router at the branch Branch1 the router at HQ is Called core1. The computers at the branch site reside on the network 192 168 1 0/24 directly connected to Branch1 Users at HQ can already access 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 Core1 to Branch1
- D. only a route for 0. 0.0.0/0 on Branch1 to Core1

Answer: A

NEW QUESTION 108

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 111

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 112

There is no SFP plugged into the port.

Port	Status	Rate	Rate	Pkts	Pkts	Drops	Errs	Media
		In	Out	In	Out			
1/1	up	10.00	100.00M	10.00M	220.5K	21.0M	0	1000T-FD
1/2	down	0	0	0	0	0	0	none
1/3	down	0	0	0	0	0	0	none
1/4	down	0	0	0	0	0	0	none
1/5	down	0	0	0	0	0	0	none
1/6	down	0	0	0	0	0	0	none
1/7	down	0	0	0	0	0	0	none
1/8	down	0	0	0	0	0	0	none
1/9	down	0	0	0	0	0	0	none
2/1	miss	0	0	0	0	0	0	none
2/2	miss	0	0	0	0	0	0	none
2/3	miss	0	0	0	0	0	0	none
2/4	miss	0	0	0	0	0	0	none
2/5	miss	0	0	0	0	0	0	none
2/6	miss	0	0	0	0	0	0	none
2/7	miss	0	0	0	0	0	0	none
2/8	miss	0	0	0	0	0	0	none
2/9	miss	0	0	0	0	0	0	none
2/10	miss	0	0	0	0	0	0	none
2/11	miss	0	0	0	0	0	0	none
2/12	miss	0	0	0	0	0	0	none
2/13	miss	0	0	0	0	0	0	none
2/14	miss	0	0	0	0	0	0	none
2/15	miss	0	0	0	0	0	0	none
2/16	miss	0	0	0	0	0	0	none
2/17	miss	0	0	0	0	0	0	none
2/18	miss	0	0	0	0	0	0	none
2/19	miss	0	0	0	0	0	0	none
2/20	miss	0	0	0	0	0	0	none
2/21	miss	0	0	0	0	0	0	none
2/22	miss	0	0	0	0	0	0	none
2/23	miss	0	0	0	0	0	0	none
2/24	miss	0	0	0	0	0	0	none
2/25	miss	0	0	0	0	0	0	none
2/26	miss	0	0	0	0	0	0	none
2/27	miss	0	0	0	0	0	0	none
2/28	miss	0	0	0	0	0	0	none
2/29	miss	0	0	0	0	0	0	none
2/30	miss	0	0	0	0	0	0	none
2/31	miss	0	0	0	0	0	0	none
2/32	miss	0	0	0	0	0	0	none
2/33	miss	0	0	0	0	0	0	none
2/34	miss	0	0	0	0	0	0	none
2/35	miss	0	0	0	0	0	0	none
2/36	miss	0	0	0	0	0	0	none
2/37	miss	0	0	0	0	0	0	none
2/38	miss	0	0	0	0	0	0	none
2/39	miss	0	0	0	0	0	0	none
2/40	miss	0	0	0	0	0	0	none
2/41	miss	0	0	0	0	0	0	none
2/42	miss	0	0	0	0	0	0	none
2/43	miss	0	0	0	0	0	0	none
2/44	miss	0	0	0	0	0	0	none
2/45	miss	0	0	0	0	0	0	none
2/46	miss	0	0	0	0	0	0	none
2/47	miss	0	0	0	0	0	0	none
2/48	miss	0	0	0	0	0	0	none
2/49	miss	0	0	0	0	0	0	none
2/50	miss	0	0	0	0	0	0	none
2/51	miss	0	0	0	0	0	0	none
2/52	miss	0	0	0	0	0	0	none
2/53	miss	0	0	0	0	0	0	none
2/54	miss	0	0	0	0	0	0	none
2/55	miss	0	0	0	0	0	0	none
2/56	miss	0	0	0	0	0	0	none
2/57	miss	0	0	0	0	0	0	none
2/58	miss	0	0	0	0	0	0	none
2/59	miss	0	0	0	0	0	0	none
2/60	miss	0	0	0	0	0	0	none
2/61	miss	0	0	0	0	0	0	none
2/62	miss	0	0	0	0	0	0	none
2/63	miss	0	0	0	0	0	0	none
2/64	miss	0	0	0	0	0	0	none
2/65	miss	0	0	0	0	0	0	none
2/66	miss	0	0	0	0	0	0	none
2/67	miss	0	0	0	0	0	0	none
2/68	miss	0	0	0	0	0	0	none
2/69	miss	0	0	0	0	0	0	none
2/70	miss	0	0	0	0	0	0	none
2/71	miss	0	0	0	0	0	0	none
2/72	miss	0	0	0	0	0	0	none
2/73	miss	0	0	0	0	0	0	none
2/74	miss	0	0	0	0	0	0	none
2/75	miss	0	0	0	0	0	0	none
2/76	miss	0	0	0	0	0	0	none
2/77	miss	0	0	0	0	0	0	none
2/78	miss	0	0	0	0	0	0	none
2/79	miss	0	0	0	0	0	0	none
2/80	miss	0	0	0	0	0	0	none
2/81	miss	0	0	0	0	0	0	none
2/82	miss	0	0	0	0	0	0	none
2/83	miss	0	0	0	0	0	0	none
2/84	miss	0	0	0	0	0	0	none
2/85	miss	0	0	0	0	0	0	none
2/86	miss	0	0	0	0	0	0	none
2/87	miss	0	0	0	0	0	0	none
2/88	miss	0	0	0	0	0	0	none
2/89	miss	0	0	0	0	0	0	none
2/90	miss	0	0	0	0	0	0	none
2/91	miss	0	0	0	0	0	0	none
2/92	miss	0	0	0	0	0	0	none
2/93	miss	0	0	0	0	0	0	none
2/94	miss	0	0	0	0	0	0	none
2/95	miss	0	0	0	0	0	0	none
2/96	miss	0	0	0	0	0	0	none
2/97	miss	0	0	0	0	0	0	none
2/98	miss	0	0	0	0	0	0	none
2/99	miss	0	0	0	0	0	0	none
2/100	miss	0	0	0	0	0	0	none

- A. Mastered
- B. Not Mastered

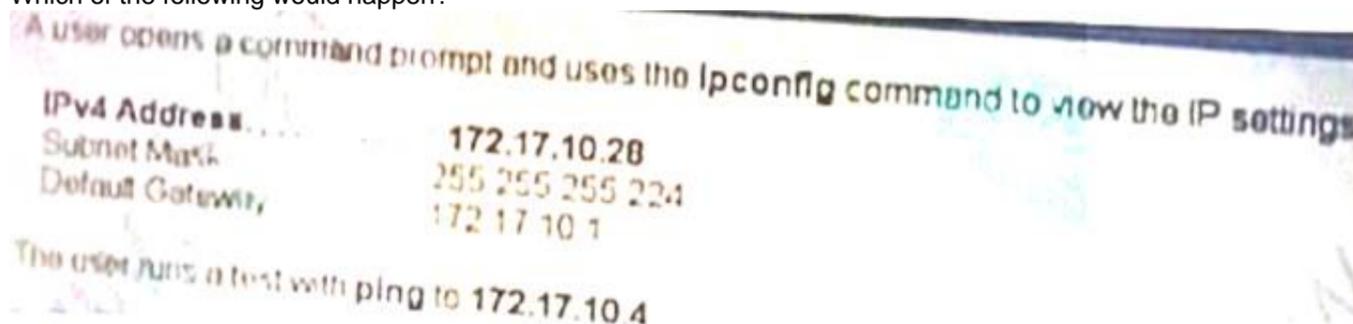
Answer: A

Explanation:

There is no SFP plugged into the port.

NEW QUESTION 114

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 119

An application uses a proprietary protocol running over TCP
 Which FS BIG-IP feature should the administrator use to modify the protocol?

- A. SPDY
- B. rewrite profile
- C. TCP profile

D. iRules

Answer: D

NEW QUESTION 120

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 122

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 123

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 128

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 132

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 136

An administrator points the browser at <http://www.mydomain.com>. The destination server listens on TCP port 8080 Which feature must be enabled on the virtual server for this configuration to work?

- A. HTTP persistence
- B. source NAT
- C. destination address affinity
- D. port translation

Answer: D

Explanation:

<https://support.f5.com/csp/article/K93G17176>

NEW QUESTION 141

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 145

Which HTTP response code indicates an OK status?

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

Answer: C

NEW QUESTION 150

Given the service list of a server shown, the administrator needs to determine why users are unable to resolve the IP address www.example.com. What is the causing this issue?

- A. bigd is down
- B. named is down

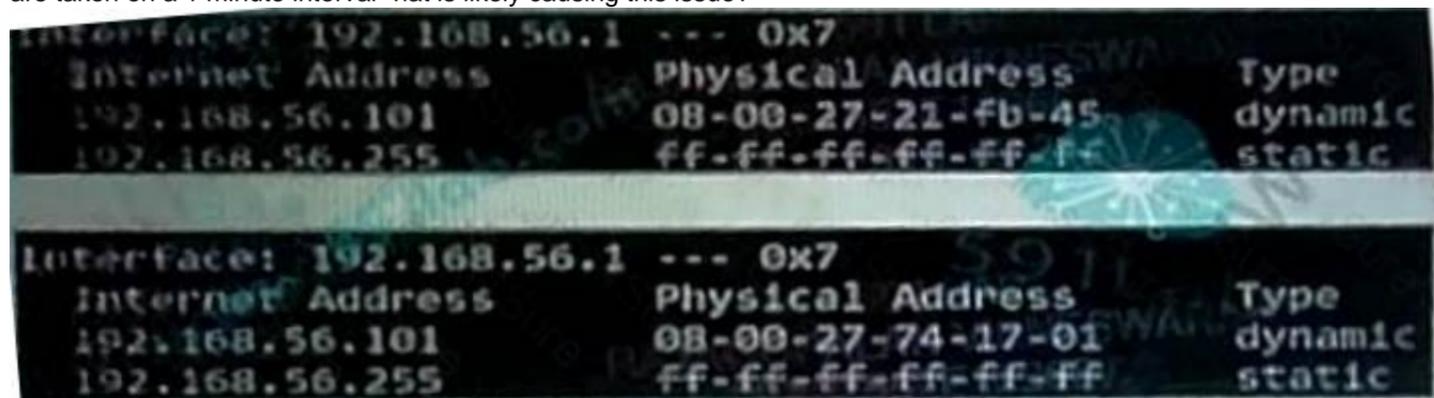
Answer: B

Explanation:

berkely internetname daemon (DNS) bigd is the health checking daemon

NEW QUESTION 152

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?



```

Interface: 192.168.56.1 --- 0x7
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

Interface: 192.168.56.1 --- 0x7
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 154

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:

<https://devcentral.f5.com/articles/what-is-big-iq-26702>

NEW QUESTION 158

Which protocols is 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 163

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 165

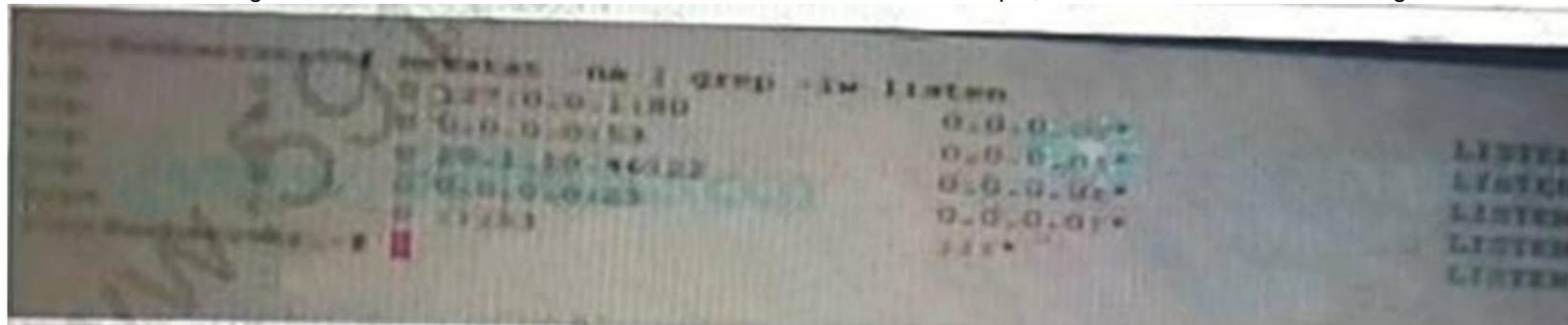
Which protocol emphasizes reduced latency over reliability?

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

Answer: B

NEW QUESTION 168

An administrator configures secure remote access to a server's shell. Given the netstat output, what did the administrator configure?



- A. telnet
- 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. telnetd 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 169

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 disabled
- 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 173

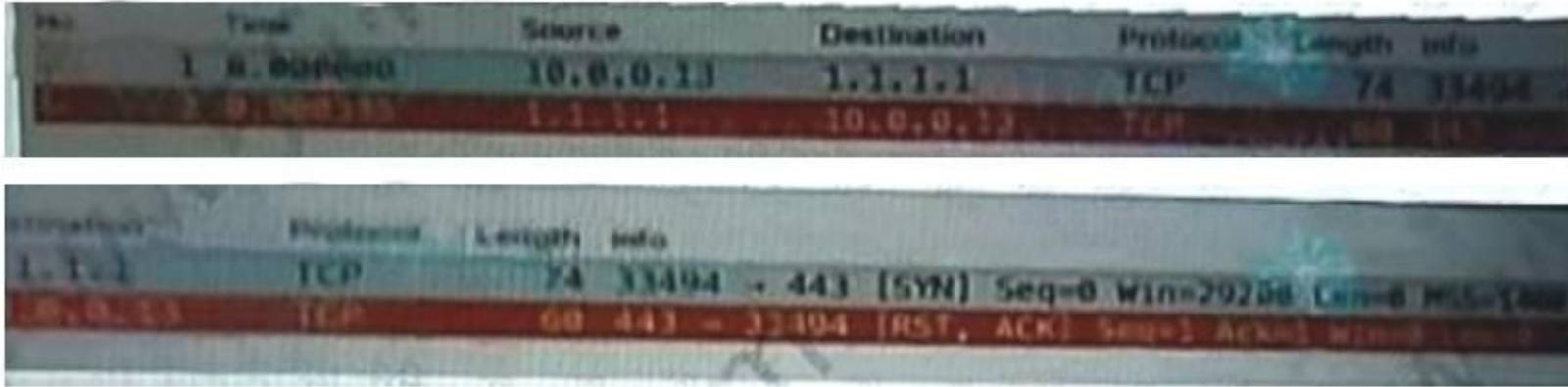
In 2001 db8 IPv6 address block is allocated to a load balancer for use as virtual server addresses. The address block balancer set ip address using a static route. What is the representation for the last address in the address block that a virtual server can use?

- 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 174

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 178

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 182

A web administrator has added content to a web application, but users are unable to access the new content. What could be preventing them from accessing the content?

- A. The webapp uses negative security, and the attack signature is using an invalid regular expression
- B. The webapp uses positive security
- C. and the nourishes database has not been updated
- D. The webapp uses positive security, and the new content has not been defined as allowed behavior
- E. The webapp uses negative security
- F. and the denial of service signatures have not been updated

Answer: C

NEW QUESTION 187

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 192

HTTP pool attached to a Virtual Server has three members. Pool member A default HTTP monitor in red. Pool member B 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 196

Which two OSI layers map to IP subnetting and TCP window sizing functions? (Choose two)

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

Answer: D

NEW QUESTION 197

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 200

An administrator connects two devices using an Ethernet cable. The link fails to come up on either device, which setting could prevent the link from being established?

- A. Proxy settings
- B. IP configuration
- C. Link speed
- D. DNS resolvers

Answer: C

NEW QUESTION 203

An administrator needs a data format that supports authentication against an external security domain. The data format must support SSO. Which data format should the administrator choose?

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

Answer: C

NEW QUESTION 205

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 210

An administrator needs to lower the amount of new TCP connections to help with network congestion. 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 215

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 220

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 221

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 225

Pool A has three members. Why is the pool up?



- A. Health 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 230

Which device group type allows a BIG IP system to automatically become active in the event that the current active system fails?

- A. Sync-active
- B. sync-failover
- C. sync-standby
- D. sync-only

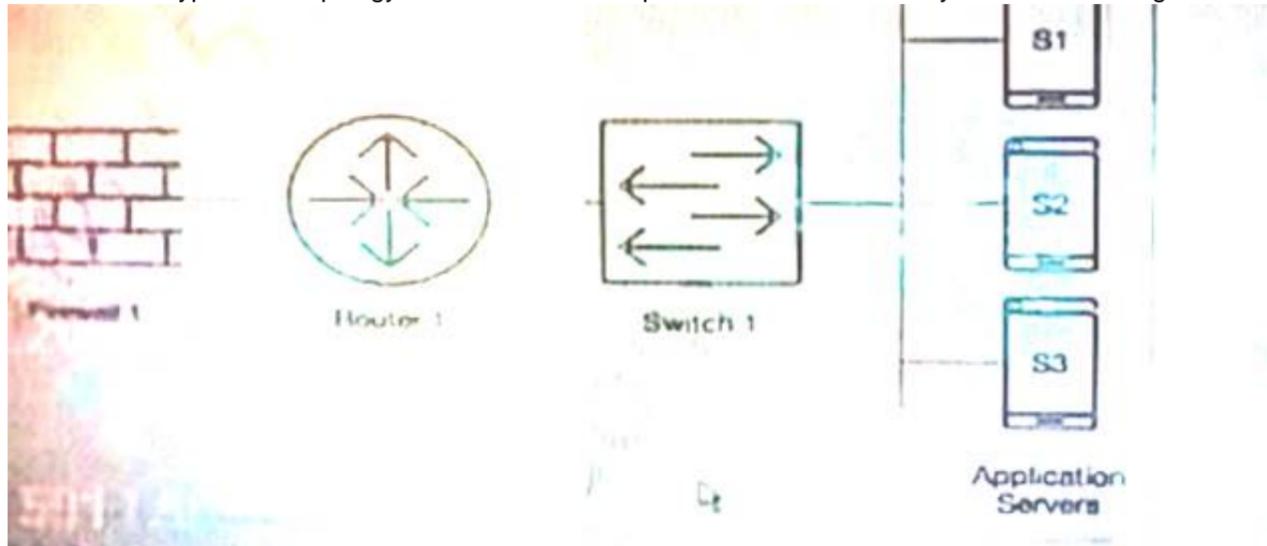
Answer: B

Explanation:

The sync-failover group allows for failover of a traffic group. The sync-only will synchronize ASM profiles and some other device information but does not deal with traffic groups

NEW QUESTION 232

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 236

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 238

What is a primary benefit of employing a load balancer to manage traffic for an application?

- A. It reduces the number of client connections
- B. It provides a more uniform client experience
- C. It allows easy scaling up of the application
- D. It Reduces dropped connections

Answer: C

NEW QUESTION 243

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 245

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 246

What is one way that an application delivery controller lowers the CPU-load on web servers?

- A. use SSL termination at the application delivery controller
- B. make the application delivery controller function as a Firewall
- C. make the application delivery controller a member of both external and internal VLANs
- D. use cookie persistence on the application delivery controller

Answer: A

NEW QUESTION 247

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 248

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 249

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 /28 contains 14 usable IPs and a /27 contains 30 usable IPs

NEW QUESTION 252

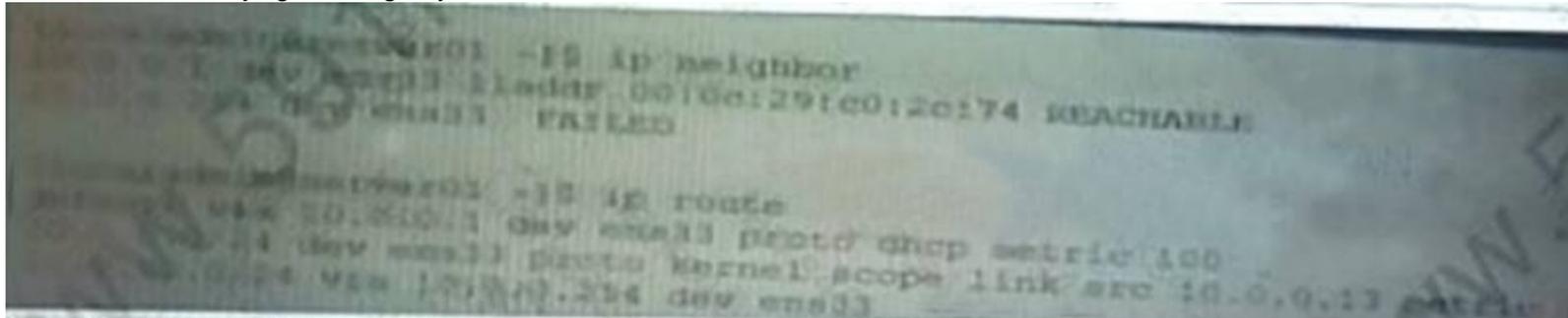
A BIG IP Administrator needs to perform a packet capture and identify the source IP that is connecting to the Virtual Server. Which utility should the administrator use on the BIG IP device?

- A. lsof
- B. traceroute
- C. ping
- D. tcpdump

Answer: D

NEW QUESTION 256

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 258

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 259

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 file
- C. tcpdump file
- D. Qkview file

Answer: D

NEW QUESTION 264

Which security mode functions by defining what traffic is allowed and rejecting all other traffic?

- A. context-based access control mode!
- B. role-based access control mode!
- C. negative security model
- D. positive security model

Answer: D

NEW QUESTION 265

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 270

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 274

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 276

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

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

Answer: B

NEW QUESTION 280

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