

# **F5-Networks**

## **Exam Questions 101**

Application Delivery Fundamentals



#### NEW QUESTION 1

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 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 does the HTTP status code 404 mean?

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

**Answer: D**

#### NEW QUESTION 4

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 5

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 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 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

A BIG-IP Administrator wants to send packets from one subnet to another. What device is required to allow this to function?

- A. switch
- B. Router
- C. HUP

D. Bridge

**Answer: B**

**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**

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

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

**Answer: C**

**NEW QUESTION 10**

What is the primary function of a certificate authority?

- A. to expire outdated certificates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

**Answer: D**

**Explanation:**

[https://enWikipedia.org/wiki/Certificale\\_authority](https://enWikipedia.org/wiki/Certificale_authority)

**NEW QUESTION 10**

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

- A. HSRP virtual MAC address
- B. Device group
- C. Sync- failover
- D. MAC masquerade

**Answer: D**

**NEW QUESTION 13**

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 17**

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 19**

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 22**

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 23**

Ethernet frame FCS errors occur when which calculation fails?

- A. FSCM
- B. CRC
- C. CSR
- D. HSTS

**Answer: B**

**NEW QUESTION 24**

What are 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 26**

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 30**

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

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

The administrator is debugging an issue on node 1 using icpdump and records the above output about a received packet on a watch device. Does the IP address 192.168.265.254 belong to?

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

**Answer: C**

**NEW QUESTION 31**

An administrator notices the following log message generated by a BIG IP system: "diskmonitor 011d005: Disk partition shared has less than 30% free" Which command should the administrator use to troubleshoot the problem?

- A. parted-1
- B. fdisk-1
- C. isbik
- D. df-h

**Answer: D**

**NEW QUESTION 36**

In which 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 38**

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 of 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 workstation's 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 43**

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 46**

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 49**

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 50**

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 52**

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 55**

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 10.1.1.1/24 vlan VLAN 10 allow

**Answer: A**

**Explanation:**

White the default differs from version to version, H typically allows HTTP SSH and iQuery for BIG-IP to BIG-IP communication

**NEW QUESTION 59**

A BIG-IP Administrator needs to make sure that requests from a single user are directed to the server that was initially selected (unless that server is marked down). What should the administrator configure?

- A. caching profile
- B. TCP profile
- C. persistence profile
- D. security policy

**Answer: C**

**NEW QUESTION 61**

An organization needs to protect its data center from layer three-based and layer four-based exploits. Which F5 product provides this functionality

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

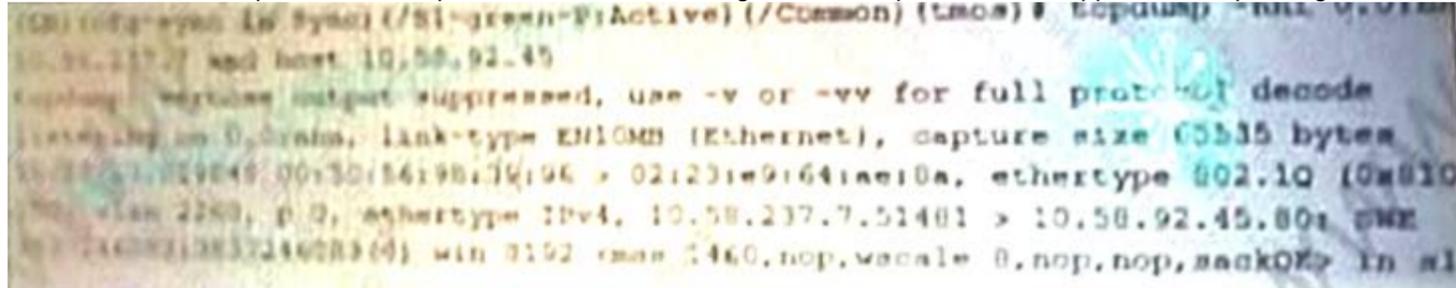
**Answer: A**

**Explanation:**

<https://www.f5.com/products/security/advanced-firewall-manager>

**NEW QUESTION 65**

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 70**

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 10.1.1.1/32 gw 192.168.1.1
- B. create met route 192.168.1.1/32 gw 10.1.1.1
- C. add met route 192.168.1.1/32 gw 10.1.1.1
- D. add inet route 10.1.1.1/32 gw 192.168.1.1

**Answer: A**

**NEW QUESTION 73**

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 78

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 81

An administrator encounters an error while working on a BIG-IP device and contacts F5 Support to open a case. While opening the case, Support of the administrator that a BIG-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 86

Which three security controls are used in an SSL transaction? (Choose three.)

- A. symmetric encryption
- B. network admission controls
- C. asymmetric encryption
- D. digital certificates
- E. database encryption

**Answer: AD**

#### NEW QUESTION 89

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 91

What does the 5XX group of HTTP status codes indicate?

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

**Answer: D**

#### NEW QUESTION 92

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 93

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 98**

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 102**

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**

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 107**

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 108**

What is used to establish trust relationships between BIG-IP devices?

- A. trust ID
- B. device group identification
- C. certificate-based authentication
- D. unit IDs

**Answer: C**

**NEW QUESTION 113**

A BIG IP Administrator needs to create a virtual server for a new secure end-to-end web application After change in configuration the virtual server .3 still marked down. The configuration of the virtual server and the pool member are correct. A quick server shows the status.



To fix the issue, what should the BIG-IP Administrator inform the web server administrator to do?

- A. change web server configuration to use SSL/TLS
- B. reboot the server
- C. restart the web service
- D. change web server configuration to use SSH/SCP

**Answer: A**

**Explanation:**

If the application needs to be secure 'end-to-end' the web server needs to use SSL as well. Most web servers will not required to HTTP requests when configured with HTTPS, so the monitor is failing.

**NEW QUESTION 114**

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 115**

A client is transmitting a large amount of data to a server During this process, the server sets the window size to zero What is the likely cause of this issue?

- A. The server is unable to accept more data
- B. The server resets the connection
- C. The client runs out of network buffers
- D. The server reaches its maximum segment size

**Answer: A**

**Explanation:**

<https://wiki.wireshark.org/TCP%20ZeroWindow>

**NEW QUESTION 120**

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

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

**Answer: B**

**NEW QUESTION 123**

What does response code HTTP 302 represent?

- A. The server encountered an unexpected condition that prevented it from Milling the request.
- B. The server has not found anything matching the Request URI
- C. The request has succeeded.
- D. The requested resource resides temporary under a different URI

**Answer: D**

**NEW QUESTION 127**

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 130**

The BIG-IP device has the following configured routes:

Destination	Gateway
10.238.0.0/16	192.168.10.10
10.238.10.0/24	192.168.10.20
10.238.10.10/32	192.168.10.30
default	192.168.10.40

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 133**

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 136**

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 qualified 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 139**

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 144**

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

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

**Answer:** B

**NEW QUESTION 148**

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 150**

If a workstation is configured with an address of 224.0.0.1 which functionality will it allow?

- A. loopback to itself
- B. broadcasting to the local subnet
- C. multicasting to the local subnet

D. automatic private IP addressing

**Answer:** C

**Explanation:**

[https://en.wikipedia.org/wiki/Multicast\\_address](https://en.wikipedia.org/wiki/Multicast_address)

**NEW QUESTION 154**

.....

## **Thank You for Trying Our Product**

### **We offer two products:**

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

2nd - Questions 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](#)**