

Exam Questions 101

Application Delivery Fundamentals

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



NEW QUESTION 1

BIG-IP Administrator runs the command ITconfig from the BIG-IP command the line end sees a high number of collisions. What is the likely cause?

- A. There is a duplicate IP address on the network
- B. A crossover cable has been used
- C. The interface is set to half duplex
- D. Spanning Tree Protocols blocking the con

Answer: D

NEW QUESTION 2

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 3

What does HTTP status code 500 mean?

- A. Service unavailable
- B. Internal server error
- C. Gateway timeout
- D. Bad gateway

Answer: B

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.ccom
- 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 A from the 192. 162. 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
- The MAC Address of client B is 00.22 22.22.22
- The MAC Address of Default Gateway is 00. 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
- B. f1. f1. f1. f1. f1
- C. 00.33. 33. 33. 33
- D. 00. 22. 22. 22. 22

Answer: C

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 state
- 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

What should a BIG-IP Administrator configure to minimize impact during a failure?

- A. MAC masquerading
- B. Clone pool
- C. External monitors
- D. One Connect profile

Answer: A

NEW QUESTION 10

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

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 11

What are two 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 13

Which function does the Presentation Layer provide?

- A. translation and encryption
- B. transmission over a medium
- C. internetworking capabilities
- D. access to available resources

Answer: A

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 21

Which protocol is used for control and session establishment for streaming media?

- A. RTP
- B. DTLS
- C. SMB
- D. RTSP

Answer: D

Explanation:

Referance: <https://stackoverflow.com/questions/4303439/what-is-the-difference-between-rtp-or-rtst-in-streaming-server>

NEW QUESTION 22

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 27

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 32

Ethernet frame FCS errors occur when which calculation fails?

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

Answer: B

NEW QUESTION 35

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 37

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 38

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 43

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/wiki/Protocol_data-unit

NEW QUESTION 45

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 46

A messaging system digitally signs messages to ensure non-repudiation of the sender. Which component should the receiver use to validate the message?

- A. Public Key
- B. SSL extension
- C. A negotiated security algorithm
- D. private Key

Answer: A

NEW QUESTION 47

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 51

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

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 57

A BIO IP Administrator is troubleshooting a slow web application. A packet capture shows that some of the packets coming from a window size of zero A packet capture shows that som a window size of zero

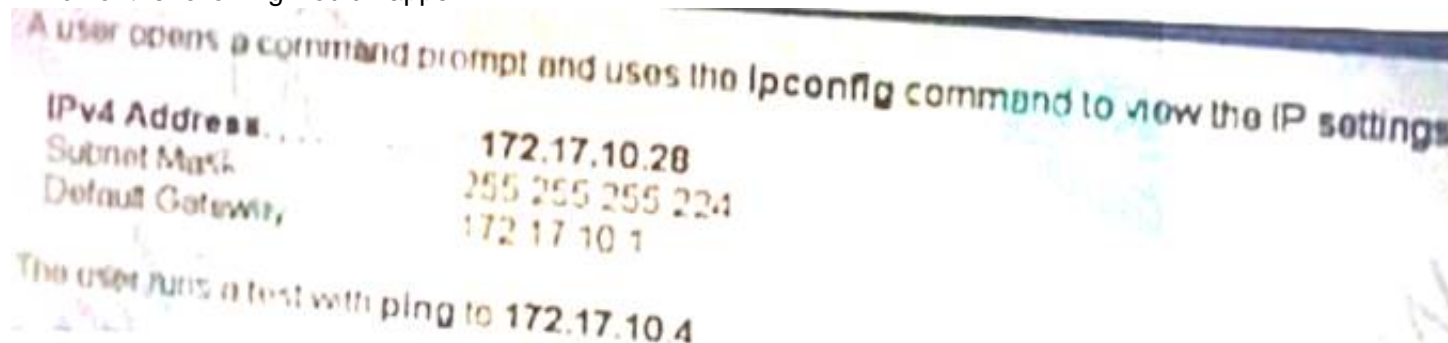
What does this mean?

- A. The client is trying to close the TCP connection
- B. The server is trying to close the TCP connection
- C. The server is temporary unable to receive any more data
- D. The client is temporarily unable to receive any more data

Answer: C

NEW QUESTION 58

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 63

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 67

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 69

What is a common use of an iRule?

- A. to modify application traffic between the client and server
- B. to create a reusable application delivery template
- C. to integrate a BIG IP into an enterprise orchestration tool
- D. to create an accelerated session between two BIG-IP devices

Answer: A

NEW QUESTION 70

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 74

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 76

Which two protocols are used for the retrieval of email? (Choose two)

- A. ICAP
- B. SMTP
- C. IMAP
- D. POP3
- E. SNMP

Answer: CD

NEW QUESTION 77

During a TCP three-way handshake, which packet indicates the server's maximum segment (MSS)?

- A. the initial SYN packet
- B. the ACK that completes the three-way handshake
- C. the SYN/ACK packet
- D. the first packet after the three-way handshake

Answer: C

NEW QUESTION 80

A company deploys F5 load balancers to manage a number of secure applications. The company needs to centrally manage certificates. Which F5 product provides this functionality?

- A. BIG-IP
- B. GTW
- C. iHealth
- D. LTM

Answer: A

NEW QUESTION 82

A company deploys F5 load balancers to manage a large number of secure applications. The company manages certificates. Which F5 provides this functionality?

- A. iHealth
- B. BIG-IP
- C. GTM
- D. LTM

Answer: B

Explanation:

[https //devcentral \(5 com/articles/what-is-big-ip-26702](https://devcentral.5.com/articles/what-is-big-ip-26702)

NEW QUESTION 85

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

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

Answer: D

NEW QUESTION 89

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 93

Without decrypting, what portion of an HTTPS session is visible with a packet capture?

- A. Source IP Address
- B. HTTP Request Headers
- C. Cookies
- D. HTTP Response Headers

Answer: A

NEW QUESTION 94

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 95

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 98

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 securit
- 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 securit
- F. and the denial of service signatures have not been updated

Answer: C

NEW QUESTION 103

An administrator is given the IP Address of 192.168.100.124 and needs 64 subnets. How many hosts per network are allowed?

- A. 4
- B. 8
- C. 6
- D. 2

Answer: D

NEW QUESTION 105

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 109

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 112

HTTP pool attached to a Virtual Server has three members Pool member A default HTTP monitor in red Pool member 6 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 113

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 115

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 118

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. 27 networks each with 30 hosts

Answer: C

NEW QUESTION 123

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 127

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 132

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 137

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

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

Answer: B

NEW QUESTION 140

Web application <http://www.example.com> at 10.10.1.1:80, 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 10.10.1.1 80

Answer: C

Explanation:

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

NEW QUESTION 141

Layer 2 mapping information is announced by an interface without receiving a request for the mapping first. Which term describes this event?

- A. ICMP
- B. STP
- C. gratuitous ARP
- D. ARP

Answer: C

NEW QUESTION 145

What does response code HTTP 302 represent?

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

Answer: D

NEW QUESTION 146

Which protocol data unit (PDU) is associated with the OSI model's Network layer?

- A. Segment
- B. Datagram
- C. Bit
- D. Frame

Answer: B

NEW QUESTION 149

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 154

What is used to resolve IP address to MAC address mappings?

- A. DHCP
- B. ARP
- C. DNS
- D. ICMP

Answer: B

Explanation:

https://enWikipedia.org/wiki/Address_Resolution_Protocol

NEW QUESTION 159

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. time
- B. ntpdate
- C. date
- D. ntpq

Answer: D

Explanation:

nlpq -pn will show the synchronization status of configured ntp servers

NEW QUESTION 163

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 167

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 172

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 175

Which TransportLayer Security (TLS) extension can be used to enable a single virtual server to serve multiple HTTPS websites in different can be used to enable a single virtual server to server domains?

- A. Session Tickets
- B. OCSP Staping
- C. Server Name indication
- D. Certificate Status Request

Answer: C

NEW QUESTION 178

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 179

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 182

The use of attack signature within an intrusion Detection System (IDS) is an application of which security model?

- A. Positive
- B. Context-based
- C. Negative
- D. Role-based

Answer: C

Explanation:

[https //www.dosarrpst.com/ddos-blog/the-difference-between-positive-s-negatto-wafi](https://www.dosarrpst.com/ddos-blog/the-difference-between-positive-s-negatto-wafi)

NEW QUESTION 186

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 188

.....

THANKS FOR TRYING THE DEMO OF OUR PRODUCT

Visit Our Site to Purchase the Full Set of Actual 101 Exam Questions With Answers.

We Also Provide Practice Exam Software That Simulates Real Exam Environment And Has Many Self-Assessment Features. Order the 101 Product From:

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

Money Back Guarantee

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