

Exam Questions 101

Application Delivery Fundamentals

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



NEW QUESTION 1

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 2

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. session 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 3

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

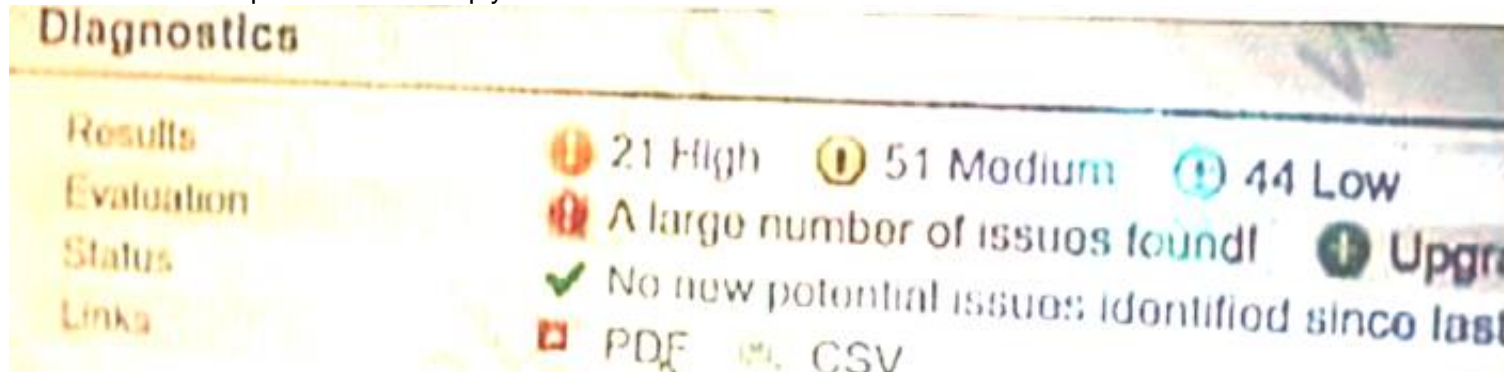
What is the destination MAC Address of the ping packet when it leaves client A interface card?

- 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 4

What is the correct procedure to comply with the recommendation?



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

Answer: D

NEW QUESTION 5

Which FTP mode should be used by a client behind a firewall that has no special configurator?

- A. Passive FTP
- B. Secure FTP

- C. Active FTP
- D. Protected FTP

Answer: A

NEW QUESTION 6

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. lcpdurnp - 0:0 host 192. 168. 10. 100 and port 25
- D. telnet 192. 168. 10. 100. 143

Answer: C

NEW QUESTION 7

Which IP subnet mask can be used to send traffic to all network nodes?

- A. 192 168.0. 255/23
- B. 192. 168. 1. 11/31
- C. 172. 16. 1255/22
- D. 192. 168. 0. 11/30

Answer: D

NEW QUESTION 8

A Network Administrator needs a new networking device can perform NAT to connect several devices on a computer network. What is the most appropriate device for this requirement?

- A. Switch
- B. Router
- C. Bridges
- D. Hub

Answer: B

NEW QUESTION 9

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 10

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 10

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 13

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 17

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 in 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 19

Which version of SNMP can AuthPriv be used?

- A. 2
- B. 3
- C. 2c
- D. 3c

Answer: B

NEW QUESTION 24

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 28

An administrator suspects that a BIG-IP appliance is experiencing performance issues due 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. Statistics > Dashboard
- D. System > Services

Answer: C

NEW QUESTION 33

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. isblk
- D. df-h

Answer: D

NEW QUESTION 35

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 36

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 40

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

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

Answer: D

NEW QUESTION 42

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

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 50

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 53

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 56

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 58

A client's operating system needs to make sure that data received from a server is mapped to the application that requested it. How does it complete this mapping?

- A. using the TCP sequence number
- B. using the client source port
- C. using the TCP acknowledgement number
- D. using the server source port

Answer: B

NEW QUESTION 62

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 67

There is no SFP plugged into the port.

Port	Status	Bytes In	Bytes Out	Pkts In	Pkts Out	Drops	Errs	Media
1/1	up	10.0M	100.0M	10.0M	100.0M	0	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
2/1	up	0	0	0	0	0	0	none
2/2	up	0	0	0	0	0	0	none
2/3	up	0	0	0	0	0	0	none
2/4	up	0	0	0	0	0	0	none
total	up	10.0M	100.0M	10.0M	100.0M	0	0	none

- A. Mastered
- B. Not Mastered

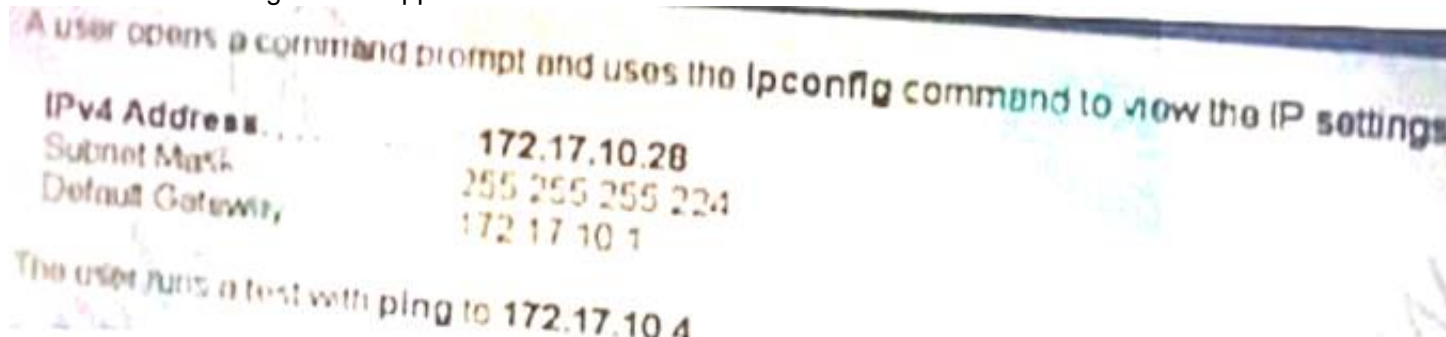
Answer: A

Explanation:

There is no SFP plugged into the port.

NEW QUESTION 70

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 72

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 76

A user wishes to retrieve a file from an FTP server
minimum of how many TCP connections are required to perform this action?

- A. 3
- B. 1
- C. 4
- D. 2

Answer: D

NEW QUESTION 81

An Administrator enables HTTP keep alive. How does this affect the network?

- A. HTTP connections will remain open longer
- B. Fewer TCP connections will need to be opened
- C. HTTP connections will close when the keep-alive times out
- D. More TCP connections will need to be opened

Answer: B

Explanation:

<https://en.wikipedia.org/wiki/HTTPpersistentconnection>

NEW QUESTION 83

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 85

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 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 91

Which HTTP response code indicates an OK status?

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

D. 100

Answer: C

NEW QUESTION 95

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 99

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

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

Answer: D

NEW QUESTION 103

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 108

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 109

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 114

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 119

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 121

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 126

In a fully proxy architecture, what is considered the client in the server-side communications

- A. the ADC
- B. the switch
- C. the server
- D. the client workstation

Answer: A

NEW QUESTION 128

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 132

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 136

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 138

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 141

Which protocol could be used to provide AAA Accounting?

- A. karberos
- B. SAML
- C. DIAMETER

D. LDAP

Answer: C

Explanation:

https://en.wikipedia.org/wiki/Diameter_protocol)

NEW QUESTION 142

An application has a mix of both and short and long lived connections. Which algorithm would provide an even distribution of all connections across the pool?

- A. Priority group activate
- B. Least connections
- C. Static ration
- D. Round robin

Answer: B

NEW QUESTION 145

How does file caching affect the web application?

- A. It reduces the load on the web application
- B. It speeds up traffic to the web application
- C. It slows traffic to the web application
- D. It increases the load on the web application

Answer: A

NEW QUESTION 147

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 148

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 151

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 152

What is a disadvantage of running a visualized load balancer

- A. more expensive than a hardware load balancer
- B. slower than a hardware load balancer
- C. less reliable than a hardware load balancer
- D. does not support high availability

Answer: B

NEW QUESTION 155

A company needs to use a custom value when making persistence decisions. Which F5 product provides this functionality?

- A. iControl
- B. (Rules

- C. IApps
- D. (Health

Answer: B

NEW QUESTION 157

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 160

A BIG IP Administrator wants to add a new VLAN (VLAN 40) to an LACP trunk (named LACP01) connected to the BIG-IP device. Mufti VLANS exist on LACPO1. Which TMSH command should the BIGIP Administrator issue to add the new VLAN to the existing LACP trunk?

- A. create net vlan VLAN40 {interfaces add (LACP01 {lagged}) tag 40}
- B. create net vlan VLAN40 {interfaces replace-all-with {LACP01{tagged}} tag 40}
- C. create net vlan VLAN40 interfaces replace all with {LACP01 {untagged}} tag 40}
- D. create net vlan VLAN40 {interfaces add {LACP01 {untagged}} tag 40}

Answer: B

NEW QUESTION 164

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 169

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 170

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 172

An administrator needs to rapidly deter e newly discovered security threat to a remote desktop application. Which F5 feature provides this functionality?

- A. iRules
- B. SSL profiles
- C. Proxy SSL
- D. SPDY

Answer: A

NEW QUESTION 176

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 177

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 179

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>

NEW QUESTION 182

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

NEW QUESTION 187

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