

101 Dumps

Application Delivery Fundamentals

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



NEW QUESTION 1

TI SSSL prides which functionary when a web browser connects to web site using the HTTPS protocol?

- A. delivers secure communication over a network connection
- B. prevents the web server from being compromised
- C. protects network packets from interception by intermediaries
- D. stop the web browser from automatically downloading malware

Answer: A

NEW QUESTION 2

A load balancing decision needs to be made based on custom a What is the most appropriate F5 feature (or this purpose?

- A. iApps
- B. Scale
- C. iControl
- D. iRules

Answer: D

NEW QUESTION 3

What describes the third "A" in the common authentication acronym AAA?

- A. provides redundancy
- B. measures usage against an identity
- C. provides user filtered access
- D. ensures the correct identity

Answer: C

NEW QUESTION 4

What does the HTTP status code 404 mean?

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

Answer: D

NEW QUESTION 5

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 6

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 7

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 8

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- A. to expire outdated certificates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/Certificate_authority

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

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 10

A BIG-IP Administrator is trying to send traffic to a server on the same subnet and sees an incomplete in the BIG-IP devices ARP table. What could cause the incomplete status?

- A. BIG-IP device connection is half-duplex
- B. Router does not have a default gateway
- C. Firewall is blocking ICMP
- D. Server's switch connection is in the wrong VLAN

Answer: D

NEW QUESTION 15

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 18

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. If 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 23

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 26

What should the administrator investigate first to address this traffic slownes

- A. The virtual server indicates 14 slow connections killed
- B. The pool member is unchecked
- C. Interface 1.2 shows 9.2K errors
- D. The pool shows no current connections.

Answer: C

NEW QUESTION 28

An administrator lakes 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 33

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 34

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 37

which version of SNMP can AuthPriv be used?

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

Answer: B

NEW QUESTION 40

When using LDAP for authentication, what is the purpose of the base DN?

- A. the search context starting point
- B. the directory's simple name
- C. the base attribute in an LDAP directory
- D. the fundamental naming convention

Answer: A

NEW QUESTION 44

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 45

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 49

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 53

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 58

An administrator configures a default gateway for the host. What is the purpose of a default gateway?

- A. to replace the destination IP address with the default gateway
- B. to pass all traffic to the default gateway
- C. to forward packets to remote networks
- D. to populate the ARP table

Answer: C

NEW QUESTION 63

For an IP of 192.168.10.10 with a subnet mask of 255.255.240.0 an administrator is asked to provide

- The first network address
- The broadcast address, and
- The number of hosts available per subnet host What should be the administrator's response'?

- A. 192.168.0.1 is the network address
- B. 192.168.10.255 is the broadcast address
- C. There are 16382 addressable hosts
- D. 192.168.0.0 is the network address 192.168.15.255 is the broadcast address
- E. There are 4094 addressable hosts
- F. 192.168.0.0 is the network address
- G. 192.168.16.255 is the broadcast address
- H. There are 1022 addressable hosts
- I. 192.168.16.0 is the network address, 192.168.31.255 is the broadcast address
- J. There are 409J addressable hosts

Answer: B

NEW QUESTION 68

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 71

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 75

What should a BIG-IP Administrator configure to provide remote access and ensure data privacy?

- A. Security policy
- B. Packet filter
- C. VPN
- D. GRE

Answer: C

NEW QUESTION 78

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 81

An administrator wants to insert per-session data in a user's browser so that user requests are directed to Which session persistence method should the

administrator use?
the same session

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

Answer: D

Explanation:

<https://support.b.com/csp/article/K83419154>

NEW QUESTION 85

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 some have 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 temporarily unable to receive any more data
- D. The client is temporarily unable to receive any more data

Answer: C

NEW QUESTION 87

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 89

An administrator is designing a remote host connection using an ICMP based network troubleshooting utility and receives 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 dropped 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 94

Which two destination ports should be used in a default active FTP Session? (Choose two)

- A. UDP 20
- B. TCP 20
- C. TCP 22
- D. TCP 21
- E. UDP 21

Answer: BD

Explanation:

[https //slacksite.com/other/ftp.html](https://slacksite.com/other/ftp.html)

NEW QUESTION 97

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](https://developer.mozilla.org/en-US/docs/Web/HTTP/Methods/OPTION)

NEW QUESTION 102

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 104

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 109

A server is operating on the network 10.100/24. The BIG-IP device is operating on the 192.168.0.0/24 net. What is required to enable the server and BIG-IP device to communicate properly?

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

Answer: C

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 117

Which protocol emphasizes reduced latency over reliability?

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

Answer: B

NEW QUESTION 118

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. 802.1Q VLAN tagging
- D. Port Spanning

Answer: C

NEW QUESTION 122

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 126

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 131

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 133

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 138

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

Web application <http://www.example.com> at 10.10.1.1.110, 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. 110. 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 146

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 149

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 151

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 152

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 153

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 154

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 159

Cryptographic hash functions can be used to provide which service?

- A. data modification
- B. data encryption
- C. data validation
- D. data decryption

Answer: C

Explanation:

https://en.wikipedia.org/wiki/Hash_function

NEW QUESTION 164

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 166

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 169

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 172

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