

## 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- A. to expire outdated certificates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://en.wikipedia.org/wiki/Certificate\\_authority](https://en.wikipedia.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. 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 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 slowness

- 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 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 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 4094 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.microsoft.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 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 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 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 94**

Which two destination pods 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>

**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>

**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:ffff
- 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](https://en.wikipedia.org/wiki/Diameter_protocol)

**NEW QUESTION 142**

Web application <http://www.example.com> at 10.10.1.110, 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](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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