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QUESTION 1

When a client and server are not on the same physical network, which device is used to forward requests and replies between client and server for DHCP?

A. DHCP relay agent

B. DHCP server

C. DHCPDISCOVER

D. DHCPOFFER

Correct Answer: A

A DHCP relay agent is any host that forwards DHCP packets between clients and servers. Relay agents are used to forward requests and replies between clients and servers when they are not on the same physical subnet. https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipaddr_dhcp/configuration/15-sy/dhcp-15-sy-book/dhcp-relay-agent.html#GUID-9E110360-34EA-40BB-9314-2AFABD7F2FDA

QUESTION 2

What is a function performed by a web server?

A. provide an application that is transmitted over HTTP

B. send and retrieve email from client devices

C. authenticate and authorize a user\\'s identity

D. securely store flies for FTP access

Correct Answer: A

The web server uses HTTP/HTTPS

QUESTION 3

An engineer is configuring router R1 with an IPv6 static route for prefix 2019:C15C:0CAF:E001::/64. The next hop must be 2019:C15C:0CAF:E002::1 The route must be reachable via the R1 Gigabit 0/0 interface. Which command configures the designated route?

A. R1(config)#ipv6 route 2019:C15C:0CAF:E001::/64 2019:C15C:0CAF:E002::1

B. R1(config-if)#ipv6 route 2019:C15C:0CAF:E001::/64 2019:C15C:0CAF:E002::1

C. R1(config-if)#ip route 2019:C15C:0CAF:E001::/64 GigabitEthernet0/0

D. R1(config)#ip route 2019:C15C:0CAF:E001::/64 GigabitEthernet0/0

Correct Answer: A

QUESTION 4

What are two benefits for using private IPv4 addressing? (Choose two.)

A. They allow for Internet access from IoT devices.

B. They alleviate the shortage of public IPv4 addresses.

C. They provide a layer of security from internet threats.

D. They supply redundancy in the case of failure.

E. They offer Internet connectivity to endpoints on private networks.

Correct Answer: BC

QUESTION 5

What is a capability of FTP in network management operations?

A. encrypts data before sending between data resources

B. devices are directly connected and use UDP to pass file information

C. uses separate control and data connections to move files between server and client

D. offers proprietary support at the session layer when transferring data

Correct Answer: C

1.

Control Connection: The control connection uses very simple rules for communication. Through control connection, we can transfer a line of command or line of response at a time. The control connection is made between the control processes. The control connection remains connected during the entire interactive FTP session.

2.

Data Connection: The Data Connection uses very complex rules as data types may vary. The data connection is made between data transfer processes. The data connection opens when a command comes for transferring the files and closes when the file is transferred.

https://www.cisco.com/c/en/us/td/docs/ios/sw_upgrades/interlink/r2_0/user/ugftpc1.html

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