300-101^{Q&As}

Implementing Cisco IP Routing

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QUESTION 1

A user is having issues accessing file shares on a network. The network engineer advises the user to open a web browser, input a prescribed IP address, and follow the instructions. After doing this, the user is able to access company shares. Which type of remote access did the engineer enable?

A. EZVPN

B. IPsec VPN client access

C. VPDN client access

D. SSL VPN client access

Correct Answer: D

The Cisco AnyConnect VPN Client provides secure SSL connections to the security appliance for remote users. Without a previously installed client, remote users enter the IP address in their browser of an interface configured to accept SSL VPN connections. Unless the security appliance is configured to redirect http:// requests to https://, users must enter the URL in the form https://. After entering the URL, the browser connects to that interface and displays the login screen. If the user satisfies the login and authentication, and the security appliance identifies the user as requiring the client, it downloads the client that matches the operating system of the remote computer. After downloading, the client installs and configures itself, establishes a secure SSL connection and either remains or uninstalls itself (depending on the security appliance configuration) when the connection terminates. Reference: http://www.cisco.com/c/en/us/support/docs/security/asa-5500-x-series-next-generationfirewalls/ 100936-asa8x-splittunnel-anyconnect-config.html

QUESTION 2

What is the optimal location from which to execute a debug command that produces an excessive amount of information?

A. Vty lines

B. SNMP commands

C. A console port

D. An AUX port

Correct Answer: A

http://www.cisco.com/c/en/us/support/docs/dial-access/integrated-services-digital-networks-isdn-channel- associated-signaling-cas/10374-debug.html

QUESTION 3

Which type of traffic does DHCP snooping drop?

A. discover messages

B. DHCP messages where the source MAC and client MAC do not match

C. traffic from a trusted DHCP server to client

D. DHCP messages where the destination MAC and client MAC do not match

Correct Answer: B

The switch validates DHCP packets received on the untrusted interfaces of VLANs with DHCP snooping enabled. The switch forwards the DHCP packet unless any of the following conditions occur (in which case the packet is dropped):

The switch receives a packet (such as a DHCPOFFER, DHCPACK, DHCPNAK, or DHCPLEASEQUERY packet) from a DHCP server outside the network or firewall. The switch receives a packet on an untrusted interface, and the source

MAC address and the DHCP client hardware address do not match. This check is performed only if the DHCP snooping MAC address verification option is turned on. The switch receives a DHCPRELEASE or DHCPDECLINE message from

an untrusted host with an entry in the DHCP snooping binding table, and the interface information in the binding table does not match the interface on which the message was received.

The switch receives a DHCP packet that includes a relay agent IP address that is not 0.0.0.0. To support trusted edge switches that are connected to untrusted aggregation-switch ports, you can enable the DHCP option-82 on untrusted port

feature, which enables untrusted aggregation-switch ports to accept DHCP packets that include option-82 information. Configure the port on the edge switch that connects to the aggregation switch as a trusted port.

Reference: http://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst6500/ios/12-2SX/configuration/ guide/

book/snoodhcp.html

QUESTION 4

An engineer is asked to monitor the availability of the next-hop IP address of 172.16.201.25 every 3 seconds using an ICMP echo packet via an ICMP echo probe. Which two commands accomplish this task? (Choose two.)

A. router(config-ip-sla)#icmp-echo 172.16.201.25 source-interface FastEthernet 0/0

B. router(config-ip-sla-echo)#timeout 3

C. router(config-ip-sla)#icmp-jitter 172.16.201.25 interval 100

D. router(config-ip-sla-echo)#frequency 3

E. router(config-ip-sla)#udp-echo 172.16.201.25 source-port 23

F. router(config-ip-sla-echo)#threshold 3

Correct Answer: AD

QUESTION 5

Which command must be globally enabled on a Cisco router to support IPv6?

A. ip routing ipv6

B. ipv6 unicast-routing

C. ipv6 routing

D. ip classless

E. ipv6 cef

Correct Answer: B

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