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Next

GigabitEthernet 0/1

VLAN 1*

VLAN 99

17. Why would a Layer 2 switch need an IP address?

to enable the switch to send broadcast frames to attached PCs

to enable the switch to function as a default gateway

to enable the switch to be managed remotely*

to enable the switch to receive frames from attached PCs

18. What command can be used on a Windows PC to see the IP configuration of that computer?

ping

ipconfig*

show interfaces

show ip interface brief

19. A technician is adding a new PC to a LAN. After unpacking the components and making all the connections, the technician starts the PC. After the OS loads, the technician opens a browser, and verifies that the PC can reach the Internet. Why was the PC able to connect to the network with no additional configuration?

The PC does not require any additional information to function on the network.

The PC came preconfigured with IP addressing information from the factory.

The PC was preconfigured to use DHCP.*

The PC used DNS to automatically receive IP addressing information from a server.

The PC virtual interface is compatible with any network.

20. What is a user trying to determine when issuing a ping 10.1.1.1 command on a PC?

if the TCP/IP stack is functioning on the PC without putting traffic on the wire

if there is connectivity with the destination device*

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CCNA Security v2.0 Chapter 1 Exam Answers

1. What method can be used to mitigate ping sweeps?

- using encrypted or hashed authentication protocols
- installing antivirus software on hosts
- deploying antisniffer software on all network devices
- blocking ICMP echo and echo-replies at the network edge

2. What are the three major components of a worm attack? (Choose three.)

- a penetration mechanism
- an infecting vulnerability
- a payload
- an enabling vulnerability
- a probing mechanism
- a propagation mechanism

3. Which statement accurately characterizes the evolution of threats to network security?

- Internal threats can cause even greater damage than external threats.
- Threats have become less sophisticated while the technical knowledge needed by an attacker has grown.
- Early Internet users often engaged in activities that would harm other users.
- Internet architects planned for network security from the beginning.

4. What causes a buffer overflow?

- launching a security countermeasure to mitigate a Trojan horse
- sending repeated connections such as Telnet to a particular device, thus denying other data sources.
- downloading and installing too many software updates at one time
- attempting to write more data to a memory location than that location can hold
- sending too much information to two or more interfaces of the same device, thereby causing dropped packets

5. What commonly motivates cybercriminals to attack networks as compared to hactivists or state-sponsored hackers?

- status among peers
- fame seeking
- financial gain

SW1# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.

SW1(config)# banner motd # Use of this device is restricted to
authorized members of the Admin group. #

SW1(config)# end

SW1#

CCNA 2 Final Exam Answers (2)

BY ADMIN, ON APRIL 23RD, 2009

1. Refer to the exhibit. The output of the show ip route command for three routers on a network is displayed. All routers are operational, pings are not blocked on this network, and no default routes are installed. Which two pings will fail? (Choose two.)

- from R1 to 172.16.1.1
- ** from R1 to 192.168.3.1
- from R2 to 192.168.1.1
- from R2 to 192.168.3.1
- ** from R3 to 192.168.1.1

2. A router that uses the RIP routing protocol has an entry for a network in the routing table. It then receives an update with another entry for the same destination network but with a lower hop count. What action will the router take for this new update?

- ** It will append the update information to the routing table.
- It will invalidate the entry for that network in the routing table.
- It will replace the existing routing table entry with the new information.
- It will ignore the new update.

3. Which two statements are true for OSPF Hello packets? (Choose two.)

- They negotiate correct parameters among neighboring interfaces.
- They are used for dynamic neighbor discovery.
- They use timers to elect the designated router with the fastest link.
- ** They are received from all routers on the network and used to determine the complete network topology.
- ** They are used to maintain neighbor relationships.

4. A network administrator needs to configure a single router to loadbalance the traffic over unequal cost paths. Which routing protocol should the administrator use?

- EIGRP
- OSPF
- RIPv1
- ** RIPv2

5. Which two statements are correct about the split horizon with poison reverse method of routing loop prevention? (Choose two.)

- It is enabled by default on all Cisco IOS implementations.
- ** It assigns a value that represents an infinite metric to the poisoned route.
- ** It sends back the poisoned route update to the same interface from where it was received.

5. A router has a valid operating system and a configuration file stored in NVRAM. The configuration file contains an enable secret password but no console password. When the router boots up, which mode will display?

- global configuration mode
- setup mode
- privileged EXEC mode
- user EXEC mode***

6. Which two functions are provided to users by the context-sensitive help feature of the Cisco IOS CLI? (Choose two.)

- providing an error message when a wrong command is submitted
- displaying a list of all available commands within the current mode***
- allowing the user to complete the remainder of an abbreviated command with the TAB key
- determining which option, keyword, or argument is available for the entered command***
- selecting the best command to accomplish a task

7. Which information does the show startup-config command display?

- the IOS image copied into RAM
- the bootstrip program in the ROM
- the contents of the saved configuration file in the NVRAM***

8. Why is it important to configure a hostname on a device?

- a Cisco router or switch only begins to operate when its hostname is set
- a hostname must be configured before any other parameters
- to identify the device during remote access (SSH or telnet)***
- to allow local access to the device through the console port

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Ccna chapter 14-15 exam answers. Ccna 1 midterm exam answers.

Which three questions must be answered before continuing with the IOS selection and upgrade? Hosts can connect to the network and get an IP address without manual configuration.* Duplicate addresses cannot occur on a network that issues dynamic addresses using DHCP and has static assignments. It should be deleted using the erase running-config command. What is a user trying to determine when issuing a ping 10.1.1.1 command on a PC? The no shutdown command was not issued for VLAN 1.* The ip default-gateway command has to be issued in the VLAN interface configuration mode. 4. 17. Use Telnet to remotely access the switch through the network. It affects the operation of the device immediately when modified.* It is stored in NVRAM. What is a possible reason for this? Exit global configuration mode. Which interface allows remote management of a Layer 2 switch? Other switches in the same network can ping this gateway. 13. 1. Close and reopen the terminal emulation software, the AUX interface the console port interface the switch virtual interface* the first Ethernet port interface 15. It is automatically saved when the router reboots. Enter CTRL-Z at the privileged mode prompt. (Choose three.) Are the devices on the same LAN? Which two features are characteristics of flash memory? Do the devices have enough NVRAM to store the IOS image? Refer to the exhibit. Use the console port to locally access the switch from a serial or USB interface of the PC.* Use Secure Shell to remotely access the switch through the network. What criterion must be followed in the design of an IPv4 addressing scheme for end devices? Hosts always have the same IP address and are therefore always reachable. The command encrypts the enable mode password. What is the fastest way a network administrator could test whether the banner is properly configured? When the router boots up, which mode will display? What benefit does DHCP provide to a network? What models of routers and switches require upgrades?* What ports are installed on the routers and switches? 19. Use the AUX port to locally access the switch from a serial or USB interface of the PC. A switch was configured as shown. Each IP address must be unique within the local network.* Each IP address needs to be compatible with the MAC address. AUX port It connects through dialup connections It is not supported on Catalyst switch devices 22. to enable the switch to send broadcast frames to attached PCs to enable the switch to function as a default gateway to enable the switch to be managed remotely* to enable the switch to receive frames from attached PCs 16. Select the modes and interfaces that can be protected with passwords. All passwords in the configuration are not shown in clear text when viewing the configuration.* A network administrator who later logs into the device will be required to enter an administrator password in order to gain access to the Cisco device. A router has a valid operating system and a configuration stored in NVRAM. What action can the technician take to discard the changes and work with the file in NVRAM? Why is it important to configure a hostname on a device? Telnet Console AUX SSH* 5. a Cisco router or switch only begins to operate when its hostname is set a hostname must be configured before any other parameters to identify the device during remote access (SSH or telnet)* 6. Virtual interface It allows access through use of Telnet or SSH protocols. Reboot the device. Each local host should be assigned an IP address with a unique network component. Which two functions are provided to users by the context-sensitive help feature of the Cisco IOS CLI? (Not all options are used.) Console port It displays startup, debugging, and error messages by default. DHCP allows users to refer to locations by a name rather than an IP address. It can be used to restore an out-of-box configuration on a switch or router. The changes did not solve the problem and were not saved. Which procedure is used to access a Cisco 2960 switch when performing an initial configuration in a secure environment? Which access method should be chosen? A network administrator needs to keep the user ID, password, and session contents private when establishing remote CLI connectivity with a switch to manage it. Do the routers and switches have enough RAM and flash memory for the proposed IOS versions?* What features are required for the devices?* 3. Exit privileged EXEC mode and press Enter.* 11. Passwords can be used to restrict access to all or parts of the Cisco IOS. Issue the reload command without saving the running configuration.* Delete the vlan.dat file and reboot the device. The VLAN IP address and the default gateway IP address are not in the same network. (Choose two.) providing an error message when a wrong command is submitted displaying a list of all available commands within the current mode* allowing the user to complete the remainder of an abbreviated command with the TAB key determining which option, keyword, or argument is available for the entered command* selecting the best command to accomplish a task 9. 14. global configuration mode setup mode ROM monitor mode user EXEC mode* 6. Virtual interface It allows access through use of Telnet or SSH protocols. Reboot the device. Each local host should be assigned an IP address with a unique network component. Which two functions are provided to users by the context-sensitive help feature of the Cisco IOS CLI? (Not all options are used.) Console port It displays startup, debugging, and error messages by default. DHCP allows users to refer to locations by a name rather than an IP address. 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(Choose two.) providing an error message when a wrong command is submitted displaying a list of all available commands within the current mode* allowing the user to complete the remainder of an abbreviated command with the TAB key determining which option, keyword, or argument is available for the entered command* selecting the best command to accomplish a task 7. While trying to solve a network issue, a technician made multiple changes to the current router configuration file. Why would a Layer 2 switch need an IP address? (Choose two.) Flash provides nonvolatile storage.* Flash receives a copy of the IOS from RAM when a device is powered on. (Choose three.) VTY interface* console interface* Ethernet interface boot IOS mode privileged EXEC mode* router configuration mode 12. if the TCP/IP stack is functioning on the PC without putting traffic on the wire if there is connectivity with the destination device* the path that traffic will take to reach the destination what type of device is at the destination 21. The local DNS server is not functioning correctly. What command can be used on a Windows PC to see the IP configuration of that computer? ping ipconfig* show interfaces show ip interface brief 18. A ping to the default gateway was issued, but the ping was not successful. Match the description to the common IOS CLI access method. The contents of flash may be lost during a power cycle. Which statement is true about the running configuration file in a Cisco IOS device? Power cycle the device. The command encrypts the banner message. (Not all options are used.) Each IP address must match the address that is assigned to the host by DNS. A network administrator is planning an IOS upgrade on several of the head office routers and switches. 10. The default gateway address must be 192.168.10.1. 20. Which two characters are allowed as part of the hostname of a Cisco device? What is a result of using the service password-encryption command on a Cisco network device? A new network administrator has been asked to enter a banner message on a Cisco device. It requires an active network connection. Match the definitions to their respective CLI hot keys and shortcuts.

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