

topic configuring network interface cards

1. Which of the following is NOT a primary function of a network interface card (NIC)?

- A) Media access control
- B) Error detection
- C) Data encryption
- D) Data transmission

****Answer: C) Data encryption****

2. What is the purpose of configuring a network interface card (NIC)?

- A) To increase the speed of the network
- B) To connect the computer to a network
- C) To encrypt network traffic
- D) To provide power to the computer

****Answer: B) To connect the computer to a network****

3. Which of the following is NOT a type of network interface card (NIC)?

- A) Ethernet
- B) Wi-Fi
- C) Bluetooth
- D) USB

****Answer: D) USB****

4. What is the maximum speed supported by a Gigabit Ethernet network interface card (NIC)?

- A) 10 Mbps
- B) 100 Mbps
- C) 1 Gbps
- D) 10 Gbps

****Answer: C) 1 Gbps****

5. Which of the following is a characteristic of a wireless network interface card (NIC)?

- A) Requires a physical cable connection
- B) Can connect to a network using radio waves
- C) Only supports IPv4
- D) Cannot connect to the internet

****Answer: B) Can connect to a network using radio waves****

6. Which network configuration tool is commonly used in Linux to configure network interface cards?

- A) ipconfig
- B) ifconfig
- C) netsh
- D) ip

****Answer: B) ifconfig****

7. What is the purpose of configuring the IP address on a network interface card (NIC)?

- A) To identify the physical location of the NIC
- B) To connect the NIC to a printer
- C) To uniquely identify the NIC on a network
- D) To increase the speed of the NIC

****Answer: C) To uniquely identify the NIC on a network****

8. Which of the following is NOT a valid IP address format?

- A) 192.168.1.1
- B) 300.200.100.50
- C) 10.0.0.1
- D) 172.16.0.1

****Answer: B) 300.200.100.50****

9. Which network configuration command can be used in Windows to view the configuration of all network interfaces?

- A) ipconfig /all

- B) ifconfig
- C) netsh interface show config
- D) ip addr show

****Answer: A) ipconfig /all****

10. What is the purpose of subnet mask in network configuration?

- A) To identify the network portion of an IP address
- B) To identify the host portion of an IP address
- C) To convert IP addresses to domain names
- D) To encrypt network traffic

****Answer: A) To identify the network portion of an IP address****

11. Which of the following is a private IP address range?

- A) 8.8.8.8 - 8.8.8.15
- B) 172.16.0.0 - 172.31.255.255
- C) 192.168.0.0 - 192.168.255.255
- D) 169.254.0.0 - 169.254.255.255

****Answer: C) 192.168.0.0 - 192.168.255.255****

12. Which network configuration command can be used in Linux to set the IP address of a network interface?

- A) ifconfig
- B) ipconfig /set
- C) ip addr add
- D) netsh interface ip set address

****Answer: C) ip addr add****

13. Which of the following is NOT a valid subnet mask?

- A) 255.255.255.0
- B) 255.255.255.255
- C) 255.255.0.0

D) 255.255.128.0

****Answer: B) 255.255.255.255****

14. Which network configuration command can be used in Windows to release the IP address obtained from a DHCP server?

A) ipconfig /release

B) ifconfig /release

C) netsh dhcp release

D) ip release

****Answer: A) ipconfig /release****

15. What is the purpose of DNS in network configuration?

A) To convert domain names to IP addresses

B) To encrypt network traffic

C) To identify the network portion of an IP address

D) To connect the NIC to a printer

****Answer: A) To convert domain names to IP addresses****

16. Which of the following is NOT a valid DNS server address?

A) 8.8.8.8

B) 192.168.1.1

C) 10.0.0.1

D) 256.256.256.256

****Answer: D) 256.256.256.256****

17. Which network configuration command can be used in Linux to view the routing table?

A) route

B) netstat -r

C) ip route show

D) route print

****Answer: C) ip route show****

18. Which of the following is NOT a valid gateway IP address?

- A) 192.168.1.1
- B) 10.0.0.1
- C) 169.254.0.1
- D) 255.255.255.0

****Answer: D) 255.255.255.0****

19. Which network configuration command can be used in Windows to renew the IP address obtained from a DHCP server?

- A) `ipconfig /renew`
- B) `ifconfig /renew`
- C) `netsh dhcp renew`
- D) `ip renew`

****Answer: A) `ipconfig /renew`****

20. What is the purpose of a default gateway in network configuration?

- A) To identify the network portion of an IP address
- B) To convert domain names to IP addresses
- C) To connect the computer to a network
- D) To provide a route for network traffic to exit the local network

****Answer: D) To provide a route for network traffic to exit the local network****

21. Which network configuration command can be used in Linux to set the default gateway?

- A) `route add default gw`
- B) `ip route add default`
- C) `ipconfig /setgateway`
- D) `netsh interface ip set address`

****Answer: B) `ip route add default`****