

CompTIA

Exam Questions JK0-019

CompTIA Network+ Certification Exam (JK0-019)



NEW QUESTION 1

Which of the following is the common port used for IMAP?

- A. 25
- B. 53
- C. 143
- D. 443

Answer: C

Explanation:

The Internet Message Access Protocol (commonly known as IMAP) is an Application Layer Internet protocol that allows an e-mail client to access e-mail on a remote mail server. The current version, IMAP version 4 revision 1 (IMAP4rev1), is defined by RFC 3501. An IMAP server typically listens on well-known port 143

NEW QUESTION 2

Users have reported issues accessing an Internet website. The network technician wants to verify network layer connectivity. Which of the following tools can provide the verification?

- A. ping
- B. netstat
- C. route
- D. arp

Answer: A

Explanation:

Ping is a computer network administration utility used to test the reachability of a host on an Internet Protocol (IP) network and to measure the round-trip time for messages sent from the originating host to a destination computer.

NEW QUESTION 3

Which of the following switch features allows for both incoming and outgoing data across physical ports at the same time?

- A. Burst-frame
- B. Full-duplex
- C. Half-duplex
- D. VoIP

Answer: B

Explanation:

A full-duplex (FDX), or sometimes double-duplex system, allows communication in both directions, and, unlike half-duplex, allows this to happen simultaneously. Land-line telephone networks are full-duplex, since they allow both callers to speak and be heard at the same time

NEW QUESTION 4

Which of the following would be used to run an instance of a Layer 2 device within an application?

- A. Virtual switch
- B. Virtual router
- C. Virtual PBX
- D. NaaS

Answer: A

NEW QUESTION 5

DHCP uses which of the following ports by default?

- A. 21
- B. 23
- C. 68
- D. 443

Answer: C

NEW QUESTION 6

Which of the following is associated with DNS reverse lookup zones?

- A. CNAME
- B. TXT
- C. PTR
- D. MX

Answer: C

NEW QUESTION 7

Joe, a technician, is attempting to connect two hubs to add a new segment to his local network. He uses one of his CAT5 patch cables to connect them; however, he is unable to reach the new network segment from his workstation. He can only connect to it from a workstation within that segment. Which of the following is MOST likely the problem?

- A. One of the hubs is defective.
- B. The new hub is powered down.
- C. The patch cable needs to be a CAT6 patch cable.
- D. The technician used a straight-through cable.

Answer: D

NEW QUESTION 8

Which of the following supports faster wireless broadband speeds?

- A. Satellite
- B. Wi-MAX
- C. ISDN
- D. OC-3

Answer: B

Explanation:

Wi-MAX (Worldwide Interoperability for Microwave Access) is a wireless communications standard designed to provide 30 to 40 megabit-per-second data rates with the 2011 update providing up to 1 G bit/s for fixed stations

NEW QUESTION 9

Which of the following is a requirement for bridging with 802.11a?

- A. WPA encryption
- B. Governmental licenses
- C. High gain yagi antennas
- D. Clear line of sight

Answer: D

NEW QUESTION 10

Which of the following WAN technologies has a MAXIMUM speed of 155.52Mbps?

- A. OC-3
- B. T3
- C. OC-12
- D. E1

Answer: A

NEW QUESTION 11

Which of the following would a technician do to monitor remote traffic through an access point?

- A. Enable an SNMP agent
- B. Enable network mapping
- C. Set monitoring SSID
- D. Select WPA2

Answer: A

Explanation:

Large networks with hundreds or thousands of nodes are difficult to manage without a large staff to monitor every computer. SNMP, which is widely used in local area networks (LANs), lets you monitor network nodes from a management host. You can monitor network devices such as servers, workstations, printers, routers, bridges, and hubs, as well as services such as Dynamic Host Configuration Protocol (DHCP) or Windows Internet Name Service (WINS).

NEW QUESTION 12

Which of the following is the control when observing network bandwidth patterns over time?

- A. Network log
- B. Baseline
- C. Flow data
- D. Interface statistics

Answer: B

Explanation:

To successfully baseline a network it is important to consider two functions; performance at protocol level and performance at application level. There are many significant metrics to consider at the protocol level, but only a few which are critical. The most important is bandwidth utilization compared with bandwidth availability. The most likely cause of poor network performance is insufficient bandwidth. Trending bandwidth utilization allows you to recognize problem areas, provide enough bandwidth to reach performance objectives, and predict future capacity requirements. Changes in bandwidth utilization patterns also provide a clear indication of network usage alterations, such as a change in end-user behavior, or the unauthorized addition of an application.

NEW QUESTION 13

Which of the following syslog severity codes indicates an emergency and that the system is unusable?

- A. 1
- B. 6
- C. 7

Answer: A

NEW QUESTION 14

Which of the following tools would a technician use to determine if a CAT6 cable is properly terminated?

- A. Cable tester
- B. Punch down tool
- C. Crimper
- D. Multimeter

Answer: A

NEW QUESTION 15

A computer has lost network connectivity. The network technician determines the network cable and the cable drop are both good. Which of the following would the technician use to test the computer's NIC?

- A. Cable certifier
- B. Throughput tester
- C. Loopback plug
- D. Multimeter

Answer: C

NEW QUESTION 16

Which of the following network access security methods ensures communication occurs over a secured, encrypted channel, even if the data uses the Internet?

- A. MAC filtering
- B. RAS
- C. SSL VPN
- D. L2TP

Answer: C

Explanation:

SSL VPN consists of one or more VPN devices to which the user connects by using his Web browser. The traffic between the Web browser and the SSL VPN device is encrypted with the SSL protocol or its successor, the Transport Layer Security (TLS) protocol.

NEW QUESTION 17

A small office has created an annex in an adjacent office space just 20 feet (6 meters) away. A network administrator is assigned to provide connectivity between the existing office and the new office. Which of the following solutions provides the MOST security from third party tampering?

- A. CAT5e connection between offices via the patch panel located in building's communication closet.
- B. CAT5e cable run through ceiling in the public space between offices.
- C. VPN between routers located in each office space.
- D. A WEP encrypted wireless bridge with directional antennae between offices.

Answer: C

Explanation:

A VPN connection across the Internet is similar to a wide area network (WAN) link between the sites. From a user perspective, the extended network resources are accessed in the same way as resources available from the private network.

NEW QUESTION 18

Joe, a technician, suspects a virus has infected the network and is using up bandwidth. He needs to quickly determine which workstation is infected with the virus. Which of the following would BEST help Joe?

- A. Web server
- B. Syslog
- C. Network sniffer
- D. SNMP

Answer: C

Explanation:

Network sniffer is a tool to analyze packets that are being exchanged between the hosts and using this Joe can understand whether there was traffic encountered to server or not which was infected.

NEW QUESTION 19

A technician notices that guests have plugged their laptops into a network wall jack located in the conference room. Which of the following could the technician implement in order to ensure that ONLY employees are able to access network resources?

- A. Port mirroring
- B. VTP configuration
- C. MAC address filtering
- D. Traffic filtering

Answer: C

NEW QUESTION 20

A company has a total of two public IP addresses and must allow 150 devices to connect to the Internet at the same time. Which of the following is the BEST option for connectivity?

- A. VLSM
- B. NAT
- C. CIDR
- D. PAT

Answer: D

NEW QUESTION 21

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