← Back Weekly challenge 1
Graded Quiz • 50 min

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Retake the Introduction to networks next **To pass** 80% or assignment in 23h **Network communication** Local and wide network Quiz • 50 min communication **Review Learning Objectives Review: Network architecture** Video: Wrap-up 1. Fill in the blank: A ___ is a network that spans a large geographic area, like a city, state, or country. 1/1 point Reading: Glossary terms from week WAN
Submit your assignment Try again Cloud Due Jun 11, 11:59 PM +08 Attempts 3 every 24 hours Quiz: Weekly challenge 1 O LAN Retake the quiz in 23h 56m 10 questions Receive grade Your grade View Feedback **⊘** Correct **To Pass** 80% or higher We keep your highest score 2. A _____ broad astikien formatio Distikevery devi അ portae isetwork. 1/1 point hub Orouter switch O modem **⊘** Correct 3. Which of the following statements accurately describe switches? Select all that apply. 0.75 / 1 point Some benefits to switches are effective control of traffic flow and improved network performance. **⊘** Correct Switches are less secure than hubs. X This should not be selected Please review the video about IP addresses and network communications $\[\[\] \]$. A switch is a device that makes connections between specific devices on a network by sending and receiving data between them. **⊘** Correct When a switch receives a data packet, it reads the MAC address of the destination device and maps it to a **⊘** Correct **4.** What are some of the benefits cloud service providers (CSPs) offer security professionals? Select all that apply. ✓ CSPs offer online services and web applications that can be accessed from any location. **⊘** Correct ✓ CSPs provide business analytics to monitor web traffic and sales. **⊘** Correct SPs can save an organization money by offering processing power that is only paid for as needed. **⊘** Correct ✓ CSP servers, applications, and network services are hosted on local physical devices. X This should not be selected Please review <u>the video about cloud networks</u> *덥*. **5.** What is the purpose of the footer of a data packet? 1 / 1 point O To contain the source IP address O To identify the message to be transmitted to the receiving device To signal to the receiving device that the packet is finished O To show the MAC address of the destination device **⊘** Correct **6.** What are two benefits of cloud computing and software defined networks (SDNs)? Select two answers. 0.5 / 1 point Decreased cost **⊘** Correct Increased scalability **⊘** Correct Increased attack surface X This should not be selected Please review the reading about cloud computing [4]. Decreased reliability X This should not be selected Please review the reading about cloud computing $\[\[\] \]$. 7. Which one of the following port numbers is used for email traffic? 1/1 point O 20 O 23 O 443 25 **⊘** Correct 8. A security analyst uses the TCP/IP model to visualize how data is organized and transmitted across their 0 / 1 point company's network. The analyst inspects the transmission of data packets, such as the switches that direct data to its destination. Which layer are they investigating? Layer 1, network access O Layer 2, internet Layer 3, transport C Layer 4, application ⊗ Incorrect Please review the video about the layers of the TCP/IP model [2]. 9. A security analyst runs a command to discover a local IP address. The analyst receives the following result: 1/1 point 169.254.255.249. What type of address is this? MAC ● IPv4 Ethernet O IPv6 **⊘** Correct **10.** Which of the following addresses is an accurate IPv6 address? 1/1 point fda2::7361:135b::38f5:c8bd:1b3e:2578 a634:b123:cd34:3f56:0023:2345:7890:0000:ffff • fda2:7360:1e5b:e8f5:a69f:c8bd:1b3e:2578 a360::abf7:h234:0011:g126:1130::ffj2 **⊘** Correct