

➤ **Vendor: CompTIA**

➤ **Exam Code: N10-007**

➤ **Exam Name: CompTIA Network+ N10-007 Certification Exam**

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QUESTION 1149

A network technician needs to dedicate a range of addresses in DHCP for statically assigned servers and network devices. Which of the following should be configured to BEST accomplish this?

- A. Static addressing
- B. Sub-netting
- C. Advertisements
- D. Exclusions

Answer: D

QUESTION 1150

A company plans to deploy a web server securely on the network to be accessible from the Internet. In which of the following locations should the web server be placed?

- A. IDF
- B. WAN
- C. LAN
- D. DMZ

Answer: D

QUESTION 1151

A network technician is troubleshooting a PC that cannot access the Internet. However, the PC responds to ICMP echo requests from the same subnet. Which of the following is the MOST likely reason the PC cannot communicate externally?

- A. The loopback address is being used.
- B. The default gateway is incorrect.
- C. The PC does not have an IP reservation.
- D. The virtual IP has not been configured.

Answer: A

QUESTION 1152

A network technician is investigating why a user cannot print to the network printer. The technician wants to determine if anything has changed. Which of the following actions would be the BEST example of this troubleshooting step?

- A. Attempt to log in from another computer with the user's credentials.

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- B. Log into the switch and reconfigure the printer port.
- C. Review the maintenance logs from the night before.
- D. Reinstall print drivers on the user's machine.

Answer: A

QUESTION 1153

A site was hit with ransomware on two occasions in the past month. Which of the following would be the BEST solution for a technician who wants to reduce this frequency?

- A. Proxy server
- B. UTM appliance
- C. RADIUS server
- D. Content filter

Answer: D

QUESTION 1154

A network technician is installing a wireless network for a small medical office. The doctors need to download high resolution x-rays quickly with minimal latency. Which of the following technologies should be utilized?

- A. RFID
- B. MIMO
- C. CDMA
- D. 802.11g

Answer: B

Explanation:

MIMO (multiple-input-multiple-output) technology exploits multi-path to provide higher data throughput, and simultaneous increase in range and reliability all without consuming extra radio frequency. It solves two of the toughest problems facing any wireless technology today, speed and range.

QUESTION 1155

A network administrator is attempting to limit the installation of malware on company workstations. The administrator wants to remove root access from the user accounts. Which of the following is this an example of?

- A. Changing default credentials
- B. Limiting spoofing
- C. Role separation
- D. Port security

Answer: C

QUESTION 1156

A technician receives a report that Joe, an existing user is unable to access the network. Joe confirms that he had full access the previous day. The change log is reviewed, and there have been no changes on Joe's computer or any network changes in the last week. The technician moves the connection to an adjacent location on the switch, and Joe is able to access the network. Which of the following is the MOST likely cause of this issue?

- A. Incorrect pin-out
- B. Bad port
- C. Transceiver mismatch
- D. Incorrect cable type

Answer: C

QUESTION 1157

Joe an ex-employee from accounting, changed the configurations on several network devices on his last day of work. Which of the following is the MOST likely reason a non-IT employee was able to gain access to network devices?

- A. Left virtual ports open
- B. Allowed unsecure protocols
- C. Left default passwords
- D. Allowed unnecessary services

Answer: C

QUESTION 1158

Which of the following would an organization MOST likely have users sign before granting administrative access?

- A. An NDA
- B. A PUA
- C. An AUP
- D. A DLP

Answer: C

Explanation:

NDA: It is a contract through which the parties agree not to disclose information covered by the agreement. An NDA creates a confidential relationship between the parties, typically to protect any type of confidential and proprietary information or trade secrets. As such, an NDA protects non- public business information.

PUA: Potentially Unwanted Applications) are programs that, while not especially malicious, generally diminish the user experience by consuming valuable computer resources, tracking users, displaying advertisements or allowing the installation of additional third party software. The PUA category

provides users with increased insight and control over their computers by detecting applications that are not categorized as malware, but that users may not want installed on their computer or network. AUP: An acceptable use policy (AUP) is a document stipulating constraints and practices that a user must agree to for access to a corporate network or the Internet. DLP: Data loss prevention (DLP) is an approach that seeks to improve information security and protect business information from data breaches. It prevents end-users from moving key information outside the network. DLP also refers to tools that enable a network administrator to monitor data accessed and shared by end users.

QUESTION 1159

Which of the following represents where the ISP's WAN connection is handed off to the local network?

- A. Demilitarized zone
- B. intermediate distribution frame
- C. Extranet
- D. Demarcation point

Answer: A

QUESTION 1160

A wireless network is set up in a mesh configuration that has experienced recent growth. Some of the access points are four hops away In the mesh network. Users at these access points are reporting slow download speeds despite being the sole users on the access point. Which of the following would BEST resolve this issue?

- A. Add more access points to the mesh network.
- B. Increase Transmit power levels on the access points
- C. Physically connect more access points.
- D. Change the antenna type on the WAPs.

Answer: A

QUESTION 1161

Which of the following describes the function of Layer 3 of the OSI model?

- A. It provides sequencing and acknowledgments tot connection-oriented communication.
- B. It provides connectionless communication using logical addressing.
- C. It provides error detection through the FCS for frames transmitted.
- D. It provides encryption and compression for data received

Answer: B

QUESTION 1162

Several open conference rooms have active wired network connections. To discourage unauthorized users a network technician wants to require users in the conference rooms to authenticate to the network before gaining access. Which of the following would be the BEST network technology to use?

- A. WPA
- B. MAC filtering
- C. ACLs
- D. 802.1X

Answer: D

QUESTION 1163

A network support team needs to install a wireless network at a new branch office. The team must provide the strongest security to prevent unauthenticated users from viewing the traffic on the wireless network. Which of the following solutions would BEST meet these needs?

- A. Enable WPA TKIP encryption.
- B. Disable the DHCP server
- C. Disable the S3ID broadcast
- D. Enable AP isolation

Answer: A

QUESTION 1164

A network administrator is installing the company first external facing web server and examining where to place it on the network. In which of the following zones should the server be configured?

- A. DMZ
- B. WAN
- C. LAN
- D. VPN
- E. VLAN

Answer: A

QUESTION 1165

Ann a customer was using a coffee shop's public WiFi and had her connection briefly interrupted, but It reconnected agai Unbeknownst to Ann. the disconnection was intentional and was connected to a malicious user's device. Which of the following attacks did Ann experience? (Select TWO).

- A. Evil twin
- B. DNS poisoning

- C. Denial of service
- D. Brute force
- E. Deauthentication
- F. Phishing

Answer: AE

QUESTION 1166

A company's sales department is accustomed to sharing information with other organizations via FTP; however, FTP recently stopped working for the sales employees.

Upon further review, it is determined a junior network technician recently applied an ACL without going through the proper change management process.

The network administrator found the following ACL:

```
ip access-list extended "TEST-ACL-SALES-01"
10 remark "ALLOW USER ACCESS TO DHCP ETC"
20 permit udp 0.0.0.0 255.255.255.255 host 10.2.1.2 eq 53
30 permit udp 0.0.0.0 255.255.255.255 host 10.2.1.2 range 67 68
40 remark "ALLOW USER ACCESS TO LDAP"
50 permit tcp 0.0.0.0 255.255.255.255 host 10.2.4.28 eq 389
60 permit tcp 0.0.0.0 255.255.255.255 host 10.2.4.28 eq 636
70 remark "ALLOW USER ACCESS TO HTTP/S"
80 permit tcp 0.0.0.0 255.255.255.255 0.0.0.0 255.255.255.255 eq 80
90 deny tcp 0.0.0.0 255.255.255.255 0.0.0.0 255.255.255.255 eq 443
100 remark "ALLOW USER ACCESS TO FTP"
110 allow tcp 0.0.0.0 255.255.255.255 0.0.0.0 255.255.255.255 eq 22
120 remark "DENY ALL OTHER TRAFFIC"
130 deny ip 0.0.0.0 255.255.255.255 0.0.0.0 255.255.255.255
```

Which of the following statement Identifies the main Issue?

- A. An extended ACL is being used rather man a standard ACL.
- B. DNS needs to De allowed before FIP will work.
- C. The ACL contains an Incorrect port number.
- D. The ACL was applied incorrectly to the interface.

Answer: A

QUESTION 1167

While attempting to add a new computer to the company network the network technician is unable to connect automatically. The technician runs a command and is presented with the following output:

```
IPv4 Address. . . . . : 169.254.0.89
Subnet Mask . . . . . : 255.255.0.0
Default Gateway . . . . . :
```

The technician assigns a static IP address and is able to connect to the network. Which of the following BEST describes the cause of the issue?

- A. Poor network connectivity
- B. A missing default gateway
- C. No more addresses in the DHCP pool
- D. A malfunctioning NIC

Answer: B

QUESTION 1168

A company has a DNS a record for the following address: products.companyXYZ. The company wuld to like to add another record,sales.companyXYZ.com, which continually points to the same IP address as product.companyXYZ.com. Which of the following DNS record types would BEST accomplish this?

- A. MX
- B. CNAME
- C. SRV
- D. A
- E. AAAA
- F. PTR

Answer: B

QUESTION 1169

A technician needs to connect several computers in close proximity to control manufacturing equipment in a factory. The medium to connect the computers must be cost effective and suitable for short distances. Which of the following mediums should the technician use?

- A. RJ11 connector and Cat6 cable
- B. ST connector and UTP cable
- C. DB-9 connector and plenum cable
- D. BNC connector and RG-59 cable

Answer: D

QUESTION 1170

A coffee shop wants to provide WiFi to its customers. The shop wishes to support as many devices as possible, so it wants to support all available frequencies. Which of the following 802.11 standards should the coffee shop utilize to meet this requirement?

- A. a
- B. b
- C. g
- D. n

Answer: A

QUESTION 1171

A network administrator migrated the data for the corporate email service from one provider to another. All DNS records were successfully changed and verified however, many hours later, users are still receiving new emails on the old provider's server.

Which of the following should the administrator perform NEXT to troubleshoot the issue?

- A. Add a secondary MX server to the DNS records.
- B. Remove old SPF records from the DNS host
- C. Create 3 DMARC record that includes the old server.
- D. Check the TTL value on the MX records

Answer: A

QUESTION 1172

An IT training company hosts an annual series of daily seminars. Each day, a different group of 252 students participate, and all require use of the company's /24 guest wireless network. Starting on Tuesday, and continuing through Friday, some students report they are unable to connect to the wireless network.

Which of the following is the BEST solution for preventing this issue from occurring again next year?

- A. Reduce DHCP lease time from eight days to eight hours.
- B. Increase the upper limit of the DHCP scope from 254 to 506
- C. Create IP address reservations for Monday's students in the DHCP scope.

D. Add DHCP scope option 156 for the TFTP server.

Answer: A

QUESTION 1173

The network team is searching for one device that can perform the routing role for the LAN and offer a higher number of interfaces for future expansion.

Which of the following devices should be used in this scenario?

- A. Multilayer switch
- B. VPN concentrator
- C. UTM appliance
- D. NGFW/layer 7 firewall

Answer: A

QUESTION 1174

A Chief Information Security Officer (CISO) has learned of a zero-day exploit that is being used against a vendor product that is currently deployed within the organization. The network team needs to provide a list of potentially vulnerable assets for the network security team to scan.

Which of the following will the network team MOST likely use?

- A. IDF documentation
- B. Change management process
- C. Physical network diagram
- D. Inventory management database

Answer: A

QUESTION 1175

A network technician has discovered malicious traffic exiting the network on a specific port. The technician is working with the security team to modify the ACL on the company's firewall.

Which of the following should be updated immediately?

- A. Change management documentation
- B. IDP documentation
- C. Standard operating procedures
- D. Incident response policy
- E. Data loss prevention policy

Answer: A

QUESTION 1176

A network technician has established an internal HTTP connection from a browser to the web server to access an organization's intranet services in which of the following layers of the OSI model is the HTTP protocol found?

- A. Session
- B. Data link
- C. Network
- D. Application

Answer: A

QUESTION 1177

A user has received a new machine with The organization's standard baseline with no changes and the DHCP

reservation is updated.

The user now reports being unable to connect to the partner company's database.

The network technician reviews the logs and sees this user was previously able to access the remote database without issue.

Which of the following should the network technician check NEXT?

- A. Web proxy
- B. Host-based firewall
- C. B2B router ACL
- D. A and PTR records

Answer: C

QUESTION 1178

Which of the following allows for secure access to a directory for authentication services?

- A. SIP
- B. LDAPS
- C. SFTP
- D. SMB
- E. SNMP

Answer: A

QUESTION 1179

A customer wants to be able to separate traffic on a local network without using a router. Which of the following should a technician install?

- A. A multilayer switch
- B. A wireless controller
- C. A load balancer
- D. A VPN concentrator
- E. A UTM appliance

Answer: A

QUESTION 1180

The main purpose of jumbo frames is to increase the:

- A. timeout value to ensure critical data is received
- B. VLAN ID field to allow for higher-numbered VLANs.
- C. MTU size to pass more data quicker
- D. TTL value to pass data further across the network

Answer: A

QUESTION 1181

Two buildings are connected with 802.11a wireless bridges using omnidirectional antennas.

However, the connection between the two bridges often drops.

Which of the following would be the BEST solution?

- A. Change the antennas to unidirectional.
- B. Conduct a site survey to identify sources of noise
- C. Add a second wireless bridge at each building.
- D. Change the bridges to use 802.11g

Answer: A

QUESTION 1182

A network engineer is surveying the existing wireless infrastructure to propose additional changes to increase throughput.

The SSID is already on an uncongested 5GHz frequency.

Which of the following should the engineer configure?

- A. Channel bonding
- B. 802.11a
- C. Dual-band frequency
- D. An omnidirectional antenna

Answer: A

QUESTION 1183

A network manager is reviewing recent changes after learning the network health metrics are no longer being recorded. The manager discovers the ACL has been updated to the following:

```
1. deny tcp any any eq 123
2. deny tcp any any eq 3389
3. deny tcp any any eq 161
4. deny tcp any any eq 5060
5. permit tcp any any
```

Which of the following lines in the ACL points to the issue?

- A. Line 1
- B. Line 2
- C. Line 3
- D. Line 4
- E. Line 5

Answer: A

QUESTION 1184

A new printer was assigned a static IP address within the DHCP scope of a QA subnet. There are 243 workstations on the LAN five servers, and four existing printers on the network.

The network administrator configured the network with the following parameters 192.168.51 -192.168.55 static IPs assigned to servers 192.168.56 -192.168.250 DHCP scope for workstations 192.168.251 -192.168.254 static IPs assigned to printers.

Which of the following should the network administrator perform to minimize the disruption to the users and keep the LAN secure while setting up the new printer?

- A. Increase the DHCP scope by one address
- B. Create an IP reservation for the printer
- C. Assign a public IP address to the printer.
- D. Reconfigure the subnet mask for the LAN

Answer: C

QUESTION 1185

A help desk technician is assisting a user who is experiencing issues with video conferencing when a laptop is undocked.

During meetings, the audio becomes garbled, and the video sometimes pauses for brief periods.

Which of the following is the MOST probable cause of these issues?

- A. Overcapacity
- B. Channel overlap
- C. Frequency mismatch
- D. Latency

Answer: A

QUESTION 1186

A network technician is installing a new lab network for systems engineers to test patches and updates in a simulated production environment.

The engineers have requested that the lab network have unrestricted access to the Internet, but they want to limit connectivity from the LAN to the systems engineers only.

Which of the following will the technician MOST likely implement to meet these requirements?

- A. A proxy server
- B. A bridge
- C. A firewall
- D. A switch

Answer: A