

# CompTIA

## Exam Questions N10-008

CompTIA Network+Exam



**NEW QUESTION 1**

Wireless users are reporting intermittent internet connectivity. Connectivity is restored when the users disconnect and reconnect, utilizing the web authentication process each time. The network administrator can see the devices connected to the APs at all times. Which of the following steps will MOST likely determine the cause of the issue?

- A. Verify the session time-out configuration on the captive portal settings
- B. Check for encryption protocol mismatch on the client's wireless settings
- C. Confirm that a valid passphrase is being used during the web authentication
- D. Investigate for a client's disassociation caused by an evil twin AP

**Answer: A**

**NEW QUESTION 2**

A store owner would like to have secure wireless access available for both business equipment and patron use. Which of the following features should be configured to allow different wireless access through the same equipment?

- A. MIMO
- B. TKIP
- C. LTE
- D. SSID

**Answer: D**

**NEW QUESTION 3**

**SIMULATION**

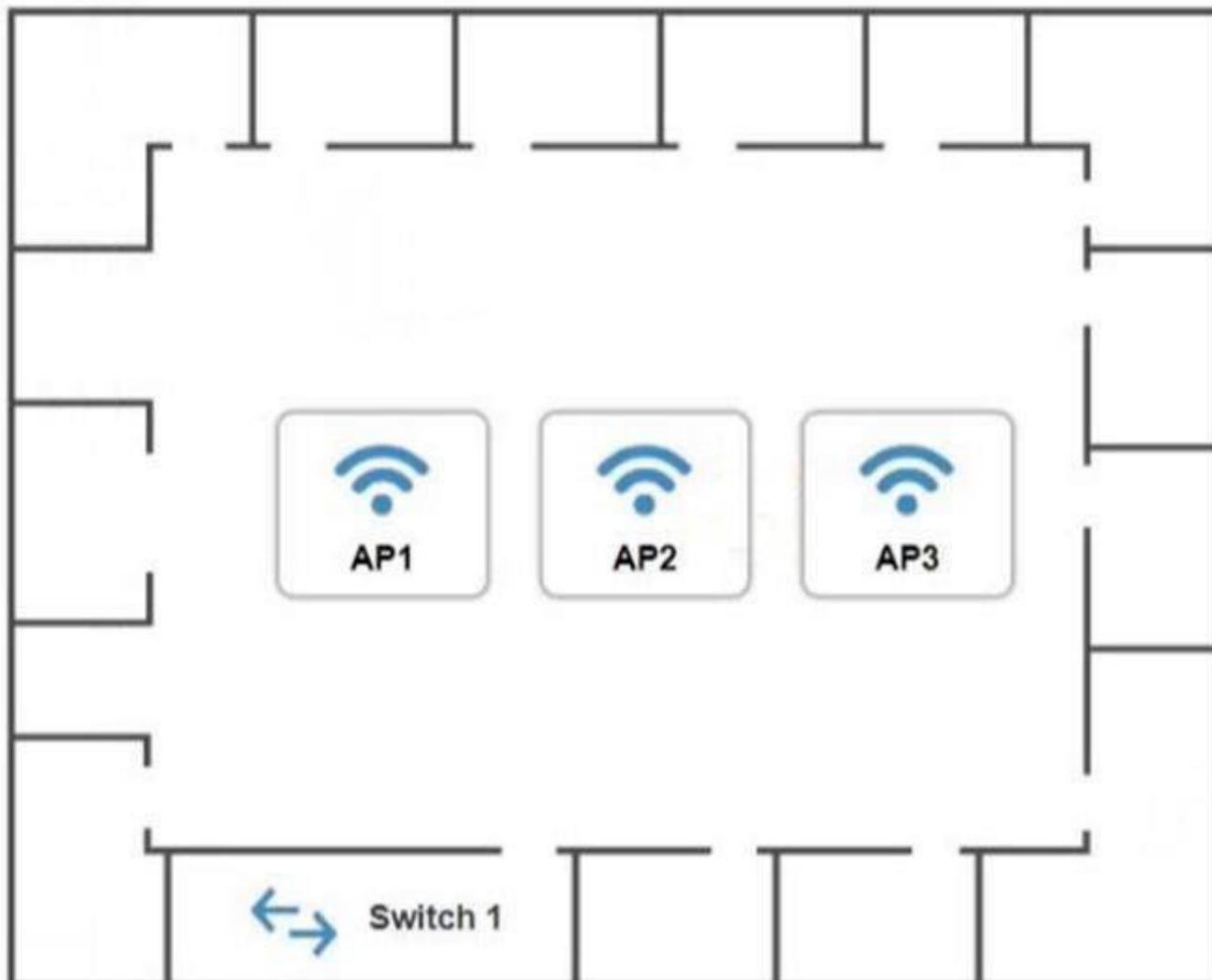
You have been tasked with setting up a wireless network in an office. The network will consist of 3 Access Points and a single switch. The network must meet the following parameters:

The SSIDs need to be configured as CorpNet with a key of S3cr3t! The wireless signals should not interfere with each other

The subnet the Access Points and switch are on should only support 30 devices maximum The Access Points should be configured to only support TKIP clients at a maximum speed

**INSTRUCTIONS**  
 Click on the wireless devices and review their information and adjust the settings of the access points to meet the given requirements.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



192.168.1.2  
 Speed: Auto  
 Duplex: Auto

### AP1 Configuration

https://ap1.setup.do

**Basic Configuration**

Access Point Name: AP1

IP Address: /

Gateway: 192.168.1.1

SSID:

SSID Broadcast:  Yes  No

**Wireless**

Mode:   
 B  
 G

Channel:

**Wired**

Speed:  Auto  100  1000

Duplex:  Auto  Half  Full

**Security Configuration**

Security Settings:  None  WEP  WPA  WPA2  WPA2 - Enterprise

Key or Passphrase:

Reset to Default Save Close

### AP2 Configuration

https://ap2.setup.do

**Basic Configuration**

Access Point Name: AP2

IP Address: /

Gateway: 192.168.1.1

SSID:

SSID Broadcast:  Yes  No

**Wireless**

Mode:   
 B  
 G

Channel:   
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11

**Wired**

Speed:  Auto  100  1000

Duplex:  Auto  Half  Full

**Security Configuration**

Security Settings:  None  WEP  WPA  WPA2  WPA2 - Enterprise

Key or Passphrase:

Reset to Default Save Close

**AP3 Configuration**
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**Basic Configuration**

Access Point Name

IP Address  /

Gateway

SSID

SSID Broadcast  Yes  No

**Wireless**

Mode

Channel

**Wired**

Speed  Auto  100  1000

Duplex  Auto  Half  Full

**Security Configuration**

Security Settings  None  WEP  WPA  WPA2  WPA2 - Enterprise

Key or Passphrase

Reset to Default
Save
Close

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

On the first exhibit, the layout should be as follows  
 Access Point Name AP1  
 IP Address 192.168.1.3  
 Gateway 192.168.1.2  
 SSID corpnet  
 SSID Broadcast yes  
 Mode G  
 Channel 1  
 Speed Auto  
 Duplex Auto  
 WPA  
 Passphrase S3cr3t!

Exhibit 2 as follows  
 Access Point Name AP2  
 IP Address 192.168.1.4  
 Gateway 192.168.1.2  
 SSID corpnet  
 SSID Broadcast yes  
 Mode G  
 Channel 6  
 Speed Auto

Duplex Auto WPA  
Passphrase S3cr3t! Exhibit 3 as follows Access Point Name AP3 IP Address 192.168.1.5  
Gateway 192.168.1.2 SSID corpnet  
SSID Broadcast yes Mode G  
Channel 11 Speed Auto Duplex Auto WPA  
Passphrase S3cr3t!

#### NEW QUESTION 4

A technician is connecting multiple switches to create a large network for a new office. The switches are unmanaged Layer 2 switches with multiple connections between each pair. The network is experiencing an extreme amount of latency. Which of the following is MOST likely occurring?

- A. Ethernet collisions
- B. A DDoS attack
- C. A broadcast storm
- D. Routing loops

**Answer: C**

#### NEW QUESTION 5

A firewall administrator is implementing a rule that directs HTTP traffic to an internal server listening on a non-standard socket Which of the following types of rules is the administrator implementing?

- A. NAT
- B. PAT
- C. STP
- D. SNAT
- E. ARP

**Answer: D**

#### NEW QUESTION 6

A network device is configured to send critical events to a syslog server; however, the following alerts are not being received:  
Severity 5 LINK-UPDOWN: Interface 1/1, changed state to down Severity 5LINK-UPDOWN: Interface 1/3, changed state to down  
Which of the following describes the reason why the events are not being received?

- A. The network device is not configured to log that level to the syslog server
- B. The network device was down and could not send the event
- C. The syslog server is not compatible with the network device
- D. The syslog server did not have the correct MIB loaded to receive the message

**Answer: A**

#### NEW QUESTION 7

A technician is writing documentation regarding a company's server farm. The technician needs to confirm the server name for all Linux servers. Which of the following commands should the technician run?

- A. ipconfig
- B. nslookup
- C. arp
- D. route

**Answer: B**

#### NEW QUESTION 8

An ARP request is broadcasted and sends the following request. "Who is 192.168.1.200? Tell 192.168.1.55"  
At which of the following layers of the OSI model does this request operate?

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

**Answer: B**

#### NEW QUESTION 9

Which of the following transceiver types can support up to 40Gbps?

- A. SFP+
- B. QSFP+
- C. QSFP
- D. SFP

**Answer: B**

#### NEW QUESTION 10

A small, family-run business uses a single SOHO router to provide Internet and WiFi to its employees. At the start of a new week, employees come in and find their usual WiFi network is no longer available, and there is a new wireless network to which they cannot connect. Given that information, which of the following should have been done to avoid this situation?

- A. The device firmware should have been kept current.
- B. Unsecure protocols should have been disabled.
- C. Parental controls should have been enabled
- D. The default credentials should have been changed

**Answer: A**

#### **NEW QUESTION 10**

Which of the following DNS records works as an alias to another record?

- A. AAAA
- B. CNAME
- C. MX
- D. SOA

**Answer: B**

#### **NEW QUESTION 13**

A technician is troubleshooting a workstation's network connectivity and wants to confirm which switchport corresponds to the wall jack the PC is using. Which of the following concepts would BEST help the technician?

- A. Consistent labeling
- B. Change management
- C. Standard work instructions
- D. Inventory management
- E. Network baseline

**Answer: A**

#### **NEW QUESTION 16**

Which of the following would need to be configured to ensure a device with a specific MAC address is always assigned the same IP address from DHCP?

- A. Scope options
- B. Reservation
- C. Dynamic assignment
- D. Exclusion
- E. Static assignment

**Answer: B**

#### **NEW QUESTION 21**

Which of the following connector types would have the MOST flexibility?

- A. SFP
- B. BNC
- C. LC
- D. RJ45

**Answer: A**

#### **NEW QUESTION 23**

A technician is searching for a device that is connected to the network and has the device's physical network address. Which of the following should the technician review on the switch to locate the device's network port?

- A. IP route table
- B. VLAN tag
- C. MAC table
- D. QoS tag

**Answer: C**

#### **NEW QUESTION 25**

According to troubleshooting methodology, which of the following should the technician do NEXT after determining the most likely probable cause of an issue?

- A. Establish a plan of action to resolve the issue and identify potential effects
- B. Verify full system functionality and, if applicable, implement preventive measures
- C. Implement the solution or escalate as necessary
- D. Test the theory to determine the cause

**Answer: D**

#### **NEW QUESTION 28**

A SaaS provider has decided to leave an unpatched VM available via a public DMZ port. With which of the following concepts is this technique MOST closely associated?

- A. Insider threat
- B. War driving
- C. Evil twin
- D. Honeypot

**Answer: D**

#### **NEW QUESTION 30**

A network administrator is setting up several IoT devices on a new VLAN and wants to accomplish the following

- \* 1. Reduce manual configuration on each system
- \* 2. Assign a specific IP address to each system
- \* 3. Allow devices to move to different switchports on the same VLAN

Which of the following should the network administrator do to accomplish these requirements?

- A. Set up a reservation for each device
- B. Configure a static IP on each device
- C. Implement private VLANs for each device
- D. Use DHCP exclusions to address each device

**Answer: C**

#### **NEW QUESTION 34**

An organization wants to implement a method of centrally managing logins to network services. Which of the following protocols should the organization use to allow for authentication, authorization and auditing?

- A. MS-CHAP
- B. RADIUS
- C. LDAPS
- D. RSTP

**Answer: A**

#### **NEW QUESTION 37**

You are tasked with verifying the following requirements are met in order to ensure network security. Requirements:

Datacenter

Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage

Provide a dedicated server to resolve IP addresses and hostnames correctly and handle port 53 traffic Building A

Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage

Provide devices to support 5 additional different office users Add an additional mobile user

Replace the Telnet server with a more secure solution Screened subnet

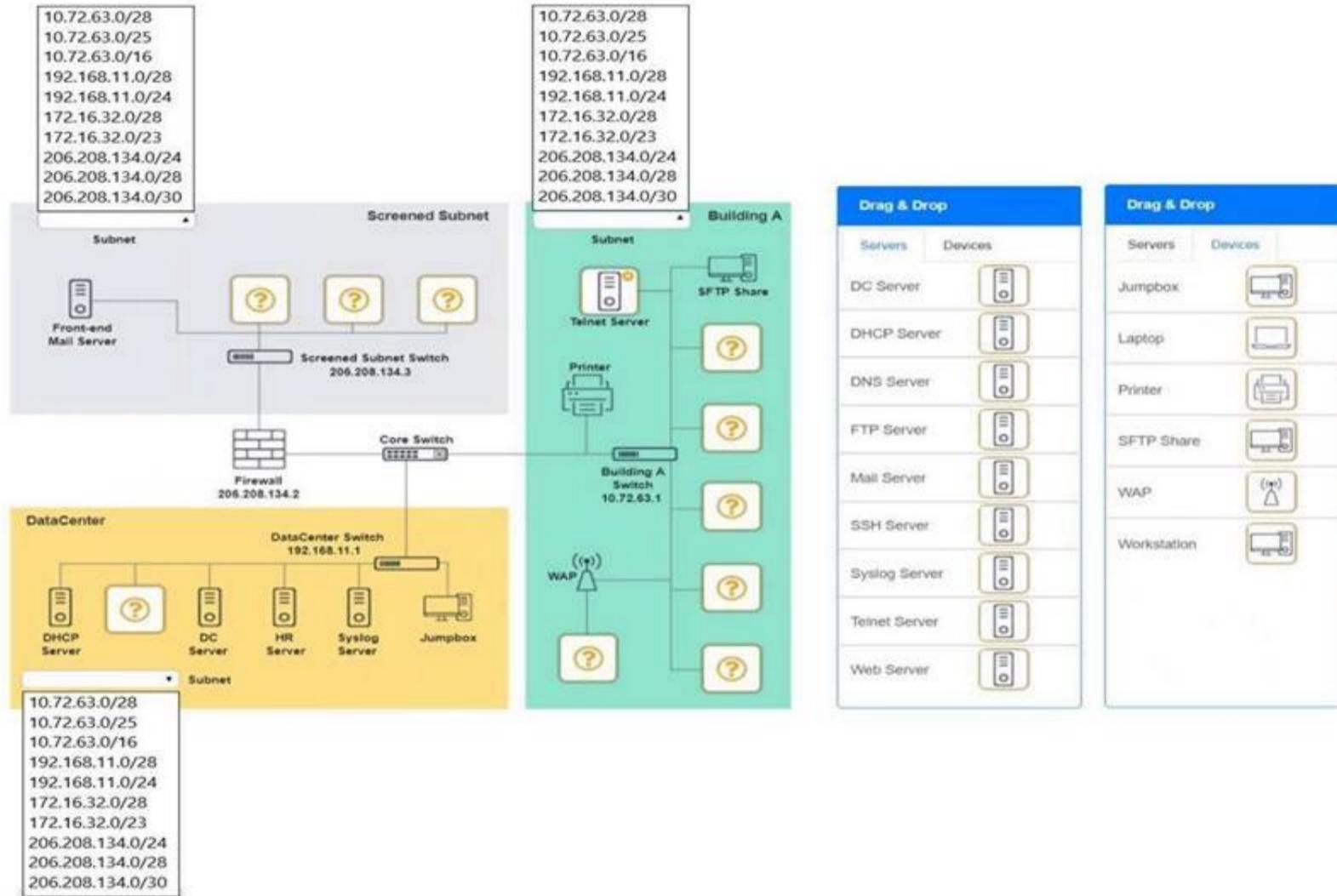
Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage

Provide a server to handle external 80/443 traffic Provide a server to handle port 20/21 traffic INSTRUCTIONS

Drag and drop objects onto the appropriate locations. Objects can be used multiple times and not all placeholders need to be filled.

Available objects are located in both the Servers and Devices tabs of the Drag & Drop menu.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Top left subnet – 206.208.134.0/28  
 Top right subnet – 10.72.63.0/28 Bottom subnet – 192.168.11.0/28  
 Screened Subnet devices – Web server, FTP server  
 Building A devices – SSH server top left, workstations on all 5 on the right, laptop on bottom left DataCenter devices – DNS server.

**NEW QUESTION 42**

Which of the following protocol types describes secure communication on port 443?

- A. ICMP
- B. UDP
- C. TCP
- D. IP

**Answer:** C

**NEW QUESTION 43**

Which of the following technologies allows traffic to be sent through two different ISPs to increase performance?

- A. Fault tolerance
- B. Quality of service
- C. Load balancing
- D. Port aggregation

**Answer:** A

**NEW QUESTION 44**

Given the following information:

Protocol	Local address	Foreign address	State
TCP	127.0.0.1:57779	Desktop-Open:57780	Established
TCP	127.0.0.1:57780	Desktop-Open:57779	Established

Which of the following command-line tools would generate this output?

- A. netstat
- B. arp
- C. dig
- D. tracer

**Answer:** A

**NEW QUESTION 45**

Which of the following is the LARGEST MTU for a standard Ethernet frame?

- A. 1452
- B. 1492
- C. 1500
- D. 2304

**Answer:** C

**NEW QUESTION 46**

A network technician is manually configuring the network settings for a new device and is told the network block is 192.168.0.0/20. Which of the following subnets should the technician use?

- A. 255.255.128.0
- B. 255.255.192.0
- C. 255.255.240.0
- D. 255.255.248.0

**Answer:** C

**NEW QUESTION 48**

A network administrator needs to query the NSs for a remote application. Which of the following commands would BEST help the administrator accomplish this task?

- A. dig
- B. arp
- C. show interface
- D. hostname

**Answer:** A

**NEW QUESTION 52**

Which of the following ports is commonly used by VoIP phones?

- A. 20
- B. 143
- C. 445
- D. 5060

**Answer:** D

**NEW QUESTION 54**

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