



Actual exam question from CompTIA's N10-008

Question #: 1

Topic #: 1

[\[All N10-008 Questions\]](#)

A systems administrator needs to improve WiFi performance in a densely populated office tower and use the latest standard. There is a mix of devices that use 2.4 GHz and 5 GHz. Which of the following should the systems administrator select to meet this requirement?

- A. 802.11ac
- B. 802.11ax
- C. 802.11g
- D. 802.11n

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 2

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be BEST to use to detect a MAC spoofing attack?

- A. Internet Control Message Protocol
- B. Reverse Address Resolution Protocol
- C. Dynamic Host Configuration Protocol
- D. Internet Message Access Protocol

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 3

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician receives feedback that some users are experiencing high amounts of jitter while using the wireless network. While troubleshooting the network, the technician uses the ping command with the IP address of the default gateway and verifies large variations in latency. The technician thinks the issue may be interference from other networks and non-802.11 devices. Which of the following tools should the technician use to troubleshoot the issue?

- A. NetFlow analyzer
- B. Bandwidth analyzer
- C. Protocol analyzer
- D. Spectrum analyzer

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 4

Topic #: 1

[\[All N10-008 Questions\]](#)

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 5

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator walks into a datacenter and notices an unknown person is following closely. The administrator stops and directs the person to the security desk. Which of the following attacks did the network administrator prevent?

- A. Evil twin
- B. Tailgating
- C. Piggybacking
- D. Shoulder surfing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 6
Topic #: 1

[\[All N10-008 Questions\]](#)

SIMULATION -

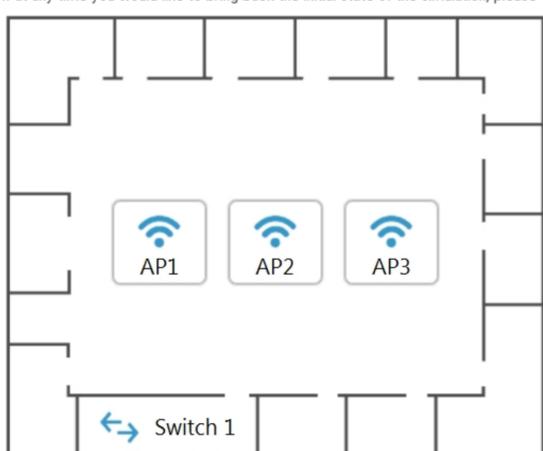
You have been tasked with setting up a wireless network in an office. The network will consist of 3 Access Points and a single switch. The network must meet the following parameters:

- ⇒ 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

IP Address

Gateway

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

AP2 Configuration
✕

🏠
🔍
🔄
https://ap2.setup.do

Basic Configuration

Access Point Name

IP Address

Gateway

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
✕

🏠
🔍
🔄
https://ap3.setup.do

Basic Configuration

Access Point Name

IP Address

Gateway

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 7

Topic #: 1

[\[All N10-008 Questions\]](#)

A network is experiencing a number of CRC errors during normal network communication. At which of the following layers of the OSI model will the administrator MOST likely start to troubleshoot?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5
- F. Layer 6
- G. Layer 7

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 8

Topic #: 1

[\[All N10-008 Questions\]](#)

A client recently added 100 users who are using VMs. All users have since reported slow or unresponsive desktops. Reports show minimal network congestion, zero packet loss, and acceptable packet delay. Which of the following metrics will MOST accurately show the underlying performance issues? (Choose two.)

- A. CPU usage
- B. Memory
- C. Temperature
- D. Bandwidth
- E. Latency
- F. Jitter

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 9

Topic #: 1

[\[All N10-008 Questions\]](#)

Client devices cannot enter a network, and the network administrator determines the DHCP scope is exhausted. The administrator wants to avoid creating a new DHCP pool. Which of the following can the administrator perform to resolve the issue?

- A. Install load balancers
- B. Install more switches
- C. Decrease the number of VLANs
- D. Reduce the lease time

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 10

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator is writing a script to periodically log the IPv6 and MAC addresses of all the devices on a network segment. Which of the following switch features will MOST likely be used to assist with this task?

- A. Spanning Tree Protocol
- B. Neighbor Discovery Protocol
- C. Link Aggregation Control Protocol
- D. Address Resolution Protocol

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 11

Topic #: 1

[\[All N10-008 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 12

Topic #: 1

[\[All N10-008 Questions\]](#)

A company built a new building at its headquarters location. The new building is connected to the company's LAN via fiber-optic cable. Multiple users in the new building are unable to access the company's intranet site via their web browser, but they are able to access internet sites. Which of the following describes how the network administrator can resolve this issue?

- A. Correct the DNS server entries in the DHCP scope
- B. Correct the external firewall gateway address
- C. Correct the NTP server settings on the clients
- D. Correct a TFTP Issue on the company's server

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 13

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is installing a new fiber connection to a network device in a datacenter. The connection from the device to the switch also traverses a patch panel connection. The chain of connections is in the following order:

- ⇒ Device
- ⇒ LC/LC patch cable
- ⇒ Patch panel
- ⇒ Cross-connect fiber cable
- ⇒ Patch panel
- ⇒ LC/LC patch cable
- ⇒ Switch

The connection is not working. The technician has changed both patch cables with known working patch cables. The device had been tested and was working properly before being installed. Which of the following is the MOST likely cause of the issue?

- A. TX/RX is reversed
- B. An incorrect cable was used
- C. The device failed during installation
- D. Attenuation is occurring

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 14

Topic #: 1

[\[All N10-008 Questions\]](#)

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

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 15

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following provides redundancy on a file server to ensure the server is still connected to a LAN even in the event of a port failure on a switch?

- A. NIC teaming
- B. Load balancer
- C. RAID array
- D. PDUs

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 16

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT organization needs to optimize speeds for global content distribution and wants to reduce latency in high-density user locations. Which of the following technologies BEST meets the organization's requirements?

- A. Load balancing
- B. Geofencing
- C. Public cloud
- D. Content delivery network
- E. Infrastructure as a service

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 17

Topic #: 1

[\[All N10-008 Questions\]](#)

A user reports being unable to access network resources after making some changes in the office. Which of the following should a network technician do FIRST?

- A. Check the system's IP address
- B. Do a ping test against the servers
- C. Reseat the cables into the back of the PC
- D. Ask what changes were made

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 18

Topic #: 1

[\[All N10-008 Questions\]](#)

A new cabling certification is being requested every time a network technician rebuilds one end of a Cat 6 (vendor-certified) cable to create a crossover connection that is used to connect switches. Which of the following would address this issue by allowing the use of the original cable?

- A. CSMA/CD
- B. LACP
- C. PoE+
- D. MDIX

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 19

Topic #: 1

[\[All N10-008 Questions\]](#)

A company hired a technician to find all the devices connected within a network. Which of the following software tools would BEST assist the technician in completing this task?

- A. IP scanner
- B. Terminal emulator
- C. NetFlow analyzer
- D. Port scanner

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 20

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is installing a high-density wireless network and wants to use an available frequency that supports the maximum number of channels to reduce interference. Which of the following standard 802.11 frequency ranges should the technician look for while reviewing WAP specifications?

- A. 2.4GHz
- B. 5GHz
- C. 6GHz
- D. 900MHz

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 21

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is configuring a network switch to be used in a publicly accessible location. Which of the following should the technician configure on the switch to prevent unintended connections?

- A. DHCP snooping
- B. Geofencing
- C. Port security
- D. Secure SNMP

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 22

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is used to track and document various types of known vulnerabilities?

- A. CVE
- B. Penetration testing
- C. Zero-day
- D. SIEM
- E. Least privilege

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 23

Topic #: 1

[\[All N10-008 Questions\]](#)

The network administrator is informed that a user's email password is frequently hacked by brute-force programs. Which of the following policies should the network administrator implements to BEST mitigate this issue? (Choose two.)

- A. Captive portal
- B. Two-factor authentication
- C. Complex passwords
- D. Geofencing
- E. Role-based access
- F. Explicit deny

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 24

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer performs the following tasks to increase server bandwidth:

- ⇒ Connects two network cables from the server to a switch stack
- ⇒ Configure LACP on the switchports

Verifies the correct configurations on the switch interfaces

▪

Which of the following needs to be configured on the server?

- A. Load balancing
- B. Multipathing
- C. NIC teaming
- D. Clustering

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 25

Topic #: 1

[\[All N10-008 Questions\]](#)

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

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 26

Topic #: 1

[\[All N10-008 Questions\]](#)

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

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

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 27

Topic #: 1

[\[All N10-008 Questions\]](#)

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. tracert

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 28

Topic #: 1

[\[All N10-008 Questions\]](#)

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 29

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following BEST describes a network appliance that warns of unapproved devices that are accessing the network?

- A. Firewall
- B. AP
- C. Proxy server
- D. IDS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 30

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is installing a cable modem in a SOHO. Which of the following cable types will the technician MOST likely use to connect a modem to the ISP?

- A. Coaxial
- B. Single-mode fiber
- C. Cat 6e
- D. Multimode fiber

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 31

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is reviewing the interface counters on a router interface. The technician is attempting to confirm a cable issue. Given the following information:

Metric	Value
Last cleared	7 minutes, 34 seconds
# of packets output	6915
# of packets input	270
CRCs	183
Giants	0
Runts	0
Multicasts	14

Which of the following metrics confirms there is a cabling issue?

- A. Last cleared
- B. Number of packets output
- C. CRCs
- D. Giants
- E. Multicasts

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 32

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the physical topology for an Ethernet LAN?

- A. Bus
- B. Ring
- C. Mesh
- D. Star

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 33

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT director is setting up new disaster and HA policies for a company. Limited downtime is critical to operations. To meet corporate requirements, the director set up two different datacenters across the country that will stay current on data and applications. In the event of an outage, the company can immediately switch from one datacenter to another. Which of the following does this BEST describe?

- A. A warm site
- B. Data mirroring
- C. Multipathing
- D. Load balancing
- E. A hot site

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 34

Topic #: 1

[\[All N10-008 Questions\]](#)

The management team needs to ensure unnecessary modifications to the corporate network are not permitted and version control is maintained. Which of the following documents would BEST support this?

- A. An incident response plan
- B. A business continuity plan
- C. A change management policy
- D. An acceptable use policy

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 35

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is MOST likely to generate significant East-West traffic in a datacenter?

- A. A backup of a large video presentation to cloud storage for archival purposes
- B. A duplication of a hosted virtual server to another physical server for redundancy
- C. A download of navigation data to a portable device for offline access
- D. A query from an IoT device to a cloud-hosted server for a firmware update

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 36

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting a network switch that seems to stop responding to requests intermittently whenever the logging level is set for debugging. Which of the following metrics should the technician check to begin troubleshooting the issue?

- A. Audit logs
- B. CPU utilization
- C. CRC errors
- D. Jitter

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 37

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician wants to deploy a new wireless network that comprises 30 WAPs installed throughout a three-story office building. All the APs will broadcast the same SSID for client access. Which of the following BEST describes this deployment?

- A. Extended service set
- B. Basic service set
- C. Unified service set
- D. Independent basic service set

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 38

Topic #: 1

[\[All N10-008 Questions\]](#)

A user tries to ping 192.168.1.100 from the command prompt on the 192.168.2.101 network but gets the following response: U.U.U.U. Which of the following needs to be configured for these networks to reach each other?

- A. Network address translation
- B. Default gateway
- C. Loopback
- D. Routing protocol

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 39

Topic #: 1

[\[All N10-008 Questions\]](#)

A branch of a company recently switched to a new ISP. The network engineer was given a new IP range to assign. The ISP assigned 196.26.4.0/26, and the branch gateway router now has the following configurations on the interface that peers to the ISP:

```
IP address:      196.26.4.30
Subnet mask:     255.255.255.224
Gateway:        196.24.4.1
```

The network engineer observes that all users have lost Internet connectivity. Which of the following describes the issue?

- A. The incorrect subnet mask was configured
- B. The incorrect gateway was configured
- C. The incorrect IP address was configured
- D. The incorrect interface was configured

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 40

Topic #: 1

[\[All N10-008 Questions\]](#)

Within the realm of network security, Zero Trust:

- A. prevents attackers from moving laterally through a system.
- B. allows a server to communicate with outside networks without a firewall.
- C. block malicious software that is too new to be found in virus definitions.
- D. stops infected files from being downloaded via websites.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 41

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following service models would MOST likely be used to replace on-premises servers with a cloud solution?

- A. PaaS
- B. IaaS
- C. SaaS
- D. Disaster recovery as a Service (DRaaS)

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 42

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following factors should be considered when evaluating a firewall to protect a datacenter's east-west traffic?

- A. Replication traffic between an on-premises server and a remote backup facility
- B. Traffic between VMs running on different hosts
- C. Concurrent connections generated by Internet DDoS attacks
- D. VPN traffic from remote offices to the datacenter's VMs

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 43

Topic #: 1

[\[All N10-008 Questions\]](#)

SIMULATION -

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

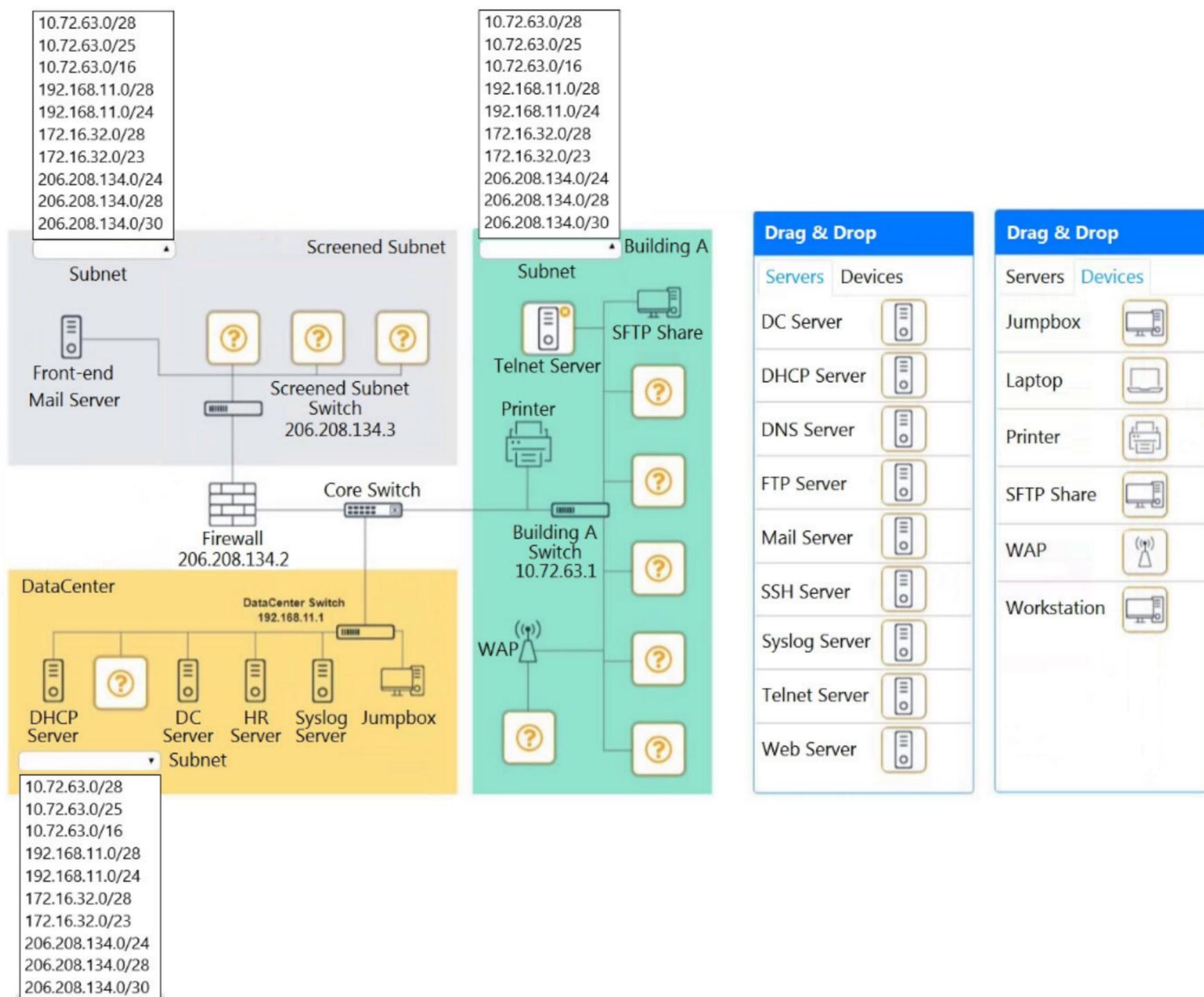
- Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage
- Provide a server to handle external 80/443 traffic
- Provide a server to handle port 20/21 traffic

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.



Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 44

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is used to prioritize Internet usage per application and per user on the network?

- A. Bandwidth management
- B. Load balance routing
- C. Border Gateway Protocol
- D. Administrative distance

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 45

Topic #: 1

[\[All N10-008 Questions\]](#)

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 46

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would MOST likely be used to review previous upgrades to a system?

- A. Business continuity plan
- B. Change management
- C. System life cycle
- D. Standard operating procedures

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 47

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is deploying a new switch model and would like to add it to the existing network monitoring software. The technician wants to know what metrics can be gathered from a given switch. Which of the following should the technician utilize for the switch?

- A. MIB
- B. Trap
- C. Syslog
- D. Audit log

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 48

Topic #: 1

[\[All N10-008 Questions\]](#)

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 5 LINK-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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 49

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is implementing OSPF on all of a company's network devices. Which of the following will MOST likely replace all the company's hubs?

- A. A Layer 3 switch
- B. A proxy server
- C. A NGFW
- D. A WLAN controller

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 50

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator discovers that users in an adjacent building are connecting to the company's guest wireless network to download inappropriate material. Which of the following can the administrator do to MOST easily mitigate this issue?

- A. Reduce the wireless power levels
- B. Adjust the wireless channels
- C. Enable wireless client isolation
- D. Enable wireless port security

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 51

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is designing a new datacenter in a different region that will need to communicate to the old datacenter with a secure connection. Which of the following access methods would provide the BEST security for this new datacenter?

- A. Virtual network computing
- B. Secure Socket Shell
- C. In-band connection
- D. Site-to-site VPN

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 52

Topic #: 1

[\[All N10-008 Questions\]](#)

An attacker is attempting to find the password to a network by inputting common words and phrases in plaintext to the password prompt. Which of the following attack types BEST describes this action?

- A. Pass-the-hash attack
- B. Rainbow table attack
- C. Brute-force attack
- D. Dictionary attack

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 53

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following technologies provides a failover mechanism for the default gateway?

- A. FHRP
- B. LACP
- C. OSPF
- D. STP

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 54

Topic #: 1

[\[All N10-008 Questions\]](#)

The following configuration is applied to a DHCP server connected to a VPN concentrator:

```
IP address:      10.0.0.1
Subnet mask:     255.255.255.0
Gateway:        10.0.0.254
```

There are 300 non-concurrent sales representatives who log in for one hour a day to upload reports, and 252 of these representatives are able to connect to the VPN without any issues. The remaining sales representatives cannot connect to the VPN over the course of the day. Which of the following can be done to resolve the issue without utilizing additional resources?

- A. Decrease the lease duration
- B. Reboot the DHCP server
- C. Install a new VPN concentrator
- D. Configure a new router

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 55

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician needs to configure a Linux computer for network monitoring. The technician has the following information:

Linux computer details:

Interface	IP address	MAC address
eth0	10.1.2.24	A1:B2:C3:F4:E5:D6

Switch mirror port details:

Interface	IP address	MAC address
eth1	10.1.2.3	A1:B2:C3:D4:E5:F6

After connecting the Linux computer to the mirror port on the switch, which of the following commands should the technician run on the Linux computer?

- A. `ifconfig eth0 promisc`
- B. `ifconfig eth1 up`
- C. `ifconfig eth0 10.1.2.3`
- D. `ifconfig eth1 hw ether A1:B2:C3:D4:E5:F6`

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 56

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is investigating reports of poor network performance. Upon reviewing a device configuration, the engineer finds that duplex settings are mismatched on both ends. Which of the following would be the MOST likely result of this finding?

- A. Increased CRC errors
- B. Increased giants and runts
- C. Increased switching loops
- D. Increased device temperature

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 57

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following devices would be used to manage a corporate WLAN?

- A. A wireless NAS
- B. A wireless bridge
- C. A wireless router
- D. A wireless controller

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 58

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following types of devices can provide content filtering and threat protection, and manage multiple IPSec site-to-site connections?

- A. Layer 3 switch
- B. VPN headend
- C. Next-generation firewall
- D. Proxy server
- E. Intrusion prevention

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 59

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer notices some late collisions on a half-duplex link. The engineer verifies that the devices on both ends of the connection are configured for half duplex. Which of the following is the MOST likely cause of this issue?

- A. The link is improperly terminated
- B. One of the devices is misconfigured
- C. The cable length is excessive
- D. One of the devices has a hardware issue

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 60

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is configuring a load balancer for two systems. Which of the following must the administrator configure to ensure connectivity during a failover?

- A. VIP
- B. NAT
- C. APIPA
- D. IPv6 tunneling
- E. Broadcast IP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 61

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting a wireless connectivity issue in a small office located in a high-rise building. Several APs are mounted in this office. The users report that the network connections frequently disconnect and reconnect throughout the day. Which of the following is the MOST likely cause of this issue?

- A. The AP association time is set too low
- B. EIRP needs to be boosted
- C. Channel overlap is occurring
- D. The RSSI is misreported

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 62

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer configured new firewalls with the correct configuration to be deployed to each remote branch. Unneeded services were disabled, and all firewall rules were applied successfully. Which of the following should the network engineer perform NEXT to ensure all the firewalls are hardened successfully?

- A. Ensure an implicit permit rule is enabled
- B. Configure the log settings on the firewalls to the central syslog server
- C. Update the firewalls with current firmware and software
- D. Use the same complex passwords on all firewalls

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 63

Topic #: 1

[\[All N10-008 Questions\]](#)

At which of the following OSI model layers would a technician find an IP header?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 64

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer is configuring redundant network links between switches. Which of the following should the engineer enable to prevent network stability issues?

- A. 802.1Q
- B. STP
- C. Flow control
- D. CSMA/CD

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 65

Topic #: 1

[\[All N10-008 Questions\]](#)

Several WIFI users are reporting the inability to connect to the network. WLAN users on the guest network are able to access all network resources without any performance issues. The following table summarizes the findings after a site survey of the area in question:

Location	AP 1	AP 2	AP 3	AP 4
SSID	Corp1	Corp1	Corp1/Guest	Corp1/Guest
Channel	2	1	5	11
RSSI	-81dBm	-82dBm	-44dBm	-41dBm
Antenna type	Omni	Omni	Directional	Directional

Which of the following should a wireless technician do NEXT to troubleshoot this issue?

- A. Reconfigure the channels to reduce overlap
- B. Replace the omni antennas with directional antennas
- C. Update the SSIDs on all the APs
- D. Decrease power in AP 3 and AP 4

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 66

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following routing protocols is used to exchange route information between public autonomous systems?

- A. OSPF
- B. BGP
- C. EIGRP
- D. RIP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 67

Topic #: 1

[\[All N10-008 Questions\]](#)

A fiber link connecting two campus networks is broken. Which of the following tools should an engineer use to detect the exact break point of the fiber link?

- A. OTDR
- B. Tone generator
- C. Fusion splicer
- D. Cable tester
- E. PoE injector

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 68

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can be used to centrally manage credentials for various types of administrative privileges on configured network devices?

- A. SSO
- B. TACACS+
- C. Zero Trust
- D. Separation of duties
- E. Multifactor authentication

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 69

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is installing new software on a Windows-based server in a different geographical location. Which of the following would be BEST for the technician to use to perform this task?

- A. RDP
- B. SSH
- C. FTP
- D. DNS

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 70

Topic #: 1

[\[All N10-008 Questions\]](#)

Branch users are experiencing issues with videoconferencing. Which of the following will the company MOST likely configure to improve performance for these applications?

- A. Link Aggregation Control Protocol
- B. Dynamic routing
- C. Quality of service
- D. Network load balancer
- E. Static IP addresses

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 71

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is assisting a user who cannot connect to a network resource. The technician first checks for a link light. According to troubleshooting methodology, this is an example of:

- A. using a bottom-to-top approach.
- B. establishing a plan of action.
- C. documenting a finding.
- D. questioning the obvious.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 72

Topic #: 1

[\[All N10-008 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 73

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following TCP ports is used by the Windows OS for file sharing?

- A. 53
- B. 389
- C. 445
- D. 1433

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 74

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator redesigned the positioning of the APs to create adjacent areas of wireless coverage. After project validation, some users still report poor connectivity when their devices maintain an association to a distanced AP. Which of the following should the network administrator check FIRST?

- A. Validate the roaming settings on the APs and WLAN clients
- B. Verify that the AP antenna type is correct for the new layout
- C. Check to see if MU-MIMO was properly activated on the APs
- D. Deactivate the 2.4GHz band on the APS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 75

Topic #: 1

[\[All N10-008 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 76

Topic #: 1

[\[All N10-008 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 77

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is investigating reports of poor network performance. Upon reviewing a report, the engineer finds that jitter at the office is greater than 10ms on the only WAN connection available. Which of the following would be MOST affected by this statistic?

- A. A VoIP sales call with a customer
- B. An in-office video call with a coworker
- C. Routing table from the ISP
- D. Firewall CPU processing time

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 78

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician needs to ensure outside users are unable to telnet into any of the servers at the datacenter. Which of the following ports should be blocked when checking firewall configuration?

- A. 22
- B. 23
- C. 80
- D. 3389
- E. 8080

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 79

Topic #: 1

[\[All N10-008 Questions\]](#)

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 80

Topic #: 1

[\[All N10-008 Questions\]](#)

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

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 81

Topic #: 1

[\[All N10-008 Questions\]](#)

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

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 82

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following systems would MOST likely be found in a screened subnet?

- A. RADIUS
- B. FTP
- C. SQL
- D. LDAP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 83

Topic #: 1

[\[All N10-008 Questions\]](#)

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 84

Topic #: 1

[\[All N10-008 Questions\]](#)

Access to a datacenter should be individually recorded by a card reader even when multiple employees enter the facility at the same time. Which of the following allows the enforcement of this policy?

- A. Motion detection
- B. Access control vestibules
- C. Smart lockers
- D. Cameras

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 85

Topic #: 1

[\[All N10-008 Questions\]](#)

A workstation is configured with the following network details:

IP address	Subnet mask	Default gateway
10.1.2.23	10.1.2.0/27	10.1.2.1

Software on the workstation needs to send a query to the local subnet broadcast address. To which of the following addresses should the software be configured to send the query?

- A. 10.1.2.0
- B. 10.1.2.1
- C. 10.1.2.23
- D. 10.1.2.255
- E. 10.1.2.31

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 86

Topic #: 1

[\[All N10-008 Questions\]](#)

After the A record of a public website was updated, some visitors were unable to access the website. Which of the following should be adjusted to address the issue?

- A. TTL
- B. MX
- C. TXT
- D. SOA

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 87

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is installing a wireless network at a client's office. Which of the following IEEE 802.11 standards would be BEST to use for multiple simultaneous client access?

- A. CDMA
- B. CSMA/CD
- C. CSMA/CA
- D. GSM

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 88

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is installing multiple UPS units in a major retail store. The technician is required to keep track of all changes to new and old equipment. Which of the following will allow the technician to record these changes?

- A. Asset tags
- B. A smart locker
- C. An access control vestibule
- D. A camera

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 89

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following attacks encrypts user data and requires a proper backup implementation to recover?

- A. DDoS
- B. Phishing
- C. Ransomware
- D. MAC spoofing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 90

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator wants to analyze attacks directed toward the company's network. Which of the following must the network administrator implement to assist in this goal?

- A. A honeypot
- B. Network segmentation
- C. Antivirus
- D. A screened subnet

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 91

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is configuring a database server and would like to ensure the database engine is listening on a certain port. Which of the following commands should the administrator use to accomplish this goal?

- A. nslookup
- B. netstat -a
- C. ipconfig /a
- D. arp -a

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 92

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is implementing a new wireless network to serve guests at a local office. The network needs to provide Internet access but disallow associated stations from communicating with each other. Which of the following would BEST accomplish this requirement?

- A. Wireless client isolation
- B. Port security
- C. Device geofencing
- D. DHCP snooping

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 93

Topic #: 1

[\[All N10-008 Questions\]](#)

A company requires a disaster recovery site to have equipment ready to go in the event of a disaster at its main datacenter. The company does not have the budget to mirror all the live data to the disaster recovery site. Which of the following concepts should the company select?

- A. Cold site
- B. Hot site
- C. Warm site
- D. Cloud site

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 94

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT technician suspects a break in one of the uplinks that provides connectivity to the core switch. Which of the following command-line tools should the technician use to determine where the incident is occurring?

- A. nslookup
- B. show config
- C. netstat
- D. show interface
- E. show counters

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 95

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is connecting DSL for a new customer. After installing and connecting the on-premises equipment, the technician verifies DSL synchronization. When connecting to a workstation, however, the link LEDs on the workstation and modem do not light up. Which of the following should the technician perform during troubleshooting?

- A. Identify the switching loops between the modem and the workstation.
- B. Check for asymmetrical routing on the modem.
- C. Look for a rogue DHCP server on the network.
- D. Replace the cable connecting the modem and the workstation.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 96

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following services can provide data storage, hardware options, and scalability to a third-party company that cannot afford new devices?

- A. SaaS
- B. IaaS
- C. PaaS
- D. DaaS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 97

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is talking to different vendors about acquiring technology to support a new project for a large company. Which of the following documents will MOST likely need to be signed before information about the project is shared?

- A. BYOD policy
- B. NDA
- C. SLA
- D. MOU

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 98

Topic #: 1

[\[All N10-008 Questions\]](#)

Two remote offices need to be connected securely over an untrustworthy MAN. Each office needs to access network shares at the other site. Which of the following will BEST provide this functionality?

- A. Client-to-site VPN
- B. Third-party VPN service
- C. Site-to-site VPN
- D. Split-tunnel VPN

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 99

Topic #: 1

[\[All N10-008 Questions\]](#)

A network requirement calls for segmenting departments into different networks. The campus network is set up with users of each department in multiple buildings. Which of the following should be configured to keep the design simple and efficient?

- A. MDIX
- B. Jumbo frames
- C. Port tagging
- D. Flow control

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 100

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following protocols will a security appliance that is correlating network events from multiple devices MOST likely rely on to receive event messages?

- A. Syslog
- B. Session Initiation Protocol
- C. Secure File Transfer Protocol
- D. Server Message Block

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 101

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is MOST commonly used to address CVEs on network equipment and/or operating systems?

- A. Vulnerability assessment
- B. Factory reset
- C. Firmware update
- D. Screened subnet

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 102

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is investigating an issue with handheld devices in a warehouse. Devices have not been connecting to the nearest APs, but they have been connecting to an AP on the far side of the warehouse. Which of the following is the MOST likely cause of this issue?

- A. The nearest APs are configured for 802.11g.
- B. An incorrect channel assignment is on the nearest APs.
- C. The power level is too high for the AP on the far side.
- D. Interference exists around the AP on the far side.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 103

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following uses the destination IP address to forward packets?

- A. A bridge
- B. A Layer 2 switch
- C. A router
- D. A repeater

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 104

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following OSI model layers is where conversations between applications are established, coordinated, and terminated?

- A. Session
- B. Physical
- C. Presentation
- D. Data link

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 105

Topic #: 1

[\[All N10-008 Questions\]](#)

A business is using the local cable company to provide Internet access. Which of the following types of cabling will the cable company MOST likely use from the demarcation point back to the central office?

- A. Multimode
- B. Cat 5e
- C. RG-6
- D. Cat 6
- E. 100BASE-T

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 106

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator decided to use SLAAC in an extensive IPv6 deployment to alleviate IP address management. The devices were properly connected into the LAN but autoconfiguration of the IP address did not occur as expected. Which of the following should the network administrator verify?

- A. The network gateway is configured to send router advertisements.
- B. A DHCP server is present on the same broadcast domain as the clients.
- C. The devices support dual stack on the network layer.
- D. The local gateway supports anycast routing.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 107

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is used to provide networking capability for VMs at Layer 2 of the OSI model?

- A. VPN
- B. VRRP
- C. vSwitch
- D. VIP

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 108

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is required to ensure that auditors have read-only access to the system logs, while systems administrators have read and write access to the system logs, and operators have no access to the system logs. The network administrator has configured security groups for each of these functional categories. Which of the following security capabilities will allow the network administrator to maintain these permissions with the LEAST administrative effort?

- A. Mandatory access control
- B. User-based permissions
- C. Role-based access
- D. Least privilege

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 109

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be used to expedite MX record updates to authoritative NSs?

- A. UDP forwarding
- B. DNS caching
- C. Recursive lookup
- D. Time to live

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 110

Topic #: 1

[\[All N10-008 Questions\]](#)

A client moving into a new office wants the IP network set up to accommodate 412 network-connected devices that are all on the same subnet. The subnet needs to be as small as possible. Which of the following subnet masks should be used to achieve the required result?

- A. 255.255.0.0
- B. 255.255.252.0
- C. 255.255.254.0
- D. 255.255.255.0

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 111

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is being acquired by a large corporation. As part of the acquisition process, the company's address should now redirect clients to the corporate organization page. Which of the following DNS records needs to be created?

- A. SOA
- B. NS
- C. CNAME
- D. TXT

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 112

Topic #: 1

[\[All N10-008 Questions\]](#)

A user is having difficulty with video conferencing and is looking for assistance. Which of the following would BEST improve performance?

- A. Packet shaping
- B. Quality of service
- C. Port mirroring
- D. Load balancing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 113

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is configuring a new firewall for a company with the necessary access requirements to be allowed through the firewall. Which of the following would normally be applied as the LAST rule in the firewall?

- A. Secure SNMP
- B. Port security
- C. Implicit deny
- D. DHCP snooping

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 114

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician wants to install a WAP in the center of a room that provides service in a radius surrounding a radio. Which of the following antenna types should the AP utilize?

- A. Omni
- B. Directional
- C. Yagi
- D. Parabolic

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 115

Topic #: 1

[\[All N10-008 Questions\]](#)

A systems administrator is running a VoIP network and is experiencing jitter and high latency. Which of the following would BEST help the administrator determine the cause of these issues?

- A. Enabling RADIUS on the network
- B. Configuring SNMP traps on the network
- C. Implementing LDAP on the network
- D. Establishing NTP on the network

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 116

Topic #: 1

[\[All N10-008 Questions\]](#)

The following instructions were published about the proper network configuration for a videoconferencing device:

"Configure a valid static RFC1918 address for your network. Check the option to use a connection over NAT."

Which of the following is a valid IP address configuration for the device?

- A. FE80::1
- B. 100.64.0.1
- C. 169.254.1.2
- D. 172.19.0.2
- E. 224.0.0.12

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 117

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is reviewing interface errors on a switch. Which of the following indicates that a switchport is receiving packets in excess of the configured MTU?

- A. CRC errors
- B. Giants
- C. Runts
- D. Flooding

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 118

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator needs to implement an HDMI over IP solution. Which of the following will the network administrator MOST likely use to ensure smooth video delivery?

- A. Link aggregation control
- B. Port tagging
- C. Jumbo frames
- D. Media access control

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 119

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator wants to reduce overhead and increase efficiency on a SAN. Which of the following can be configured to achieve these goals?

- A. Port aggregation
- B. Traffic shaping
- C. Jumbo frames
- D. Flow control

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 120

Topic #: 1

[\[All N10-008 Questions\]](#)

A rogue AP was found plugged in and providing Internet access to employees in the break room. Which of the following would be BEST to use to stop this from happening without physically removing the WAP?

- A. Password complexity
- B. Port security
- C. Wireless client isolation
- D. Secure SNMP

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 121

Topic #: 1

[\[All N10-008 Questions\]](#)

A company's network is set up so all Internet-bound traffic from all remote offices exits through a main datacenter. Which of the following network topologies would BEST describe this setup?

- A. Bus
- B. Spine-and-leaf
- C. Hub-and-spoke
- D. Mesh

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 122

Topic #: 1

[\[All N10-008 Questions\]](#)

To comply with industry requirements, a security assessment on the cloud server should identify which protocols and weaknesses are being exposed to attackers on the Internet. Which of the following tools is the MOST appropriate to complete the assessment?

- A. Use tcpdump and parse the output file in a protocol analyzer.
- B. Use an IP scanner and target the cloud WAN network addressing.
- C. Run netstat in each cloud server and retrieve the running processes.
- D. Use nmap and set the servers' public IPs as the targets.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 123

Topic #: 1

[\[All N10-008 Questions\]](#)

A systems administrator is configuring a firewall using NAT with PAT. Which of the following would be BEST suited for the LAN interface?

- A. 172.15.0.0/18
- B. 172.18.0.0/10
- C. 172.23.0.0/16
- D. 172.28.0.0/8
- E. 172.32.0.0/14

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 124

Topic #: 1

[\[All N10-008 Questions\]](#)

A packet is assigned a value to ensure it does not traverse a network indefinitely. Which of the following BEST represents this value?

- A. Zero Trust
- B. Planned obsolescence
- C. Time to live
- D. Caching

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 125

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following policies should be referenced when a user wants to access work email on a personal cell phone?

- A. Offboarding policy
- B. Acceptable use policy
- C. BYOD policy
- D. Remote access policy

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 126

Topic #: 1

[\[All N10-008 Questions\]](#)

After a firewall replacement, some alarms and metrics related to network availability stopped updating on a monitoring system relying on SNMP. Which of the following should the network administrator do FIRST?

- A. Modify the device's MIB on the monitoring system.
- B. Configure syslog to send events to the monitoring system.
- C. Use port mirroring to redirect traffic to the monitoring system.
- D. Deploy SMB to transfer data to the monitoring system.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 127

Topic #: 1

[\[All N10-008 Questions\]](#)

At the destination host, which of the following OSI model layers will discard a segment with a bad checksum in the UDP header?

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 128

Topic #: 1

[\[All N10-008 Questions\]](#)

A voice engineer is troubleshooting a phone issue. When a call is placed, the caller hears echoes of the receiver's voice. Which of the following are the causes of this issue? (Choose two.)

- A. Jitter
- B. Speed mismatch
- C. QoS misconfiguration
- D. Protocol mismatch
- E. CRC errors
- F. Encapsulation errors

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 129

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following VPN configurations should be used to separate Internet and corporate traffic?

- A. Split-tunnel
- B. Remote desktop gateway
- C. Site-to-site
- D. Out-of-band management

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 130

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is required when connecting an endpoint device with an RJ45 port to a network device with an ST port?

- A. A media converter
- B. A bridge
- C. An MDIX
- D. A load balancer

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 131

Topic #: 1

[\[All N10-008 Questions\]](#)

The management team has instituted a 48-hour RTO as part of the disaster recovery plan. Which of the following procedures would meet the policy's requirements?

- A. Recover all systems to a loss of 48 hours of data.
- B. Limit network downtime to a maximum of 48 hours per year.
- C. Recover all systems within 48 hours.
- D. Require 48 hours of system backup maintenance.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 132

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following cable types would MOST likely be used to provide high-speed network connectivity between nearby buildings?

- A. UTP
- B. Coaxial
- C. Fiber
- D. Cat 5
- E. Twinaxial

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 133

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the physical security mechanism that would MOST likely be used to enter a secure site?

- A. A landing page
- B. An access control vestibule
- C. A smart locker
- D. A firewall

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 134

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following BEST describes a North-South traffic flow?

- A. A public Internet user accessing a published web server
- B. A database server communicating with another clustered database server
- C. A Layer 3 switch advertising routes to a router
- D. A management application connecting to managed devices

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 135

Topic #: 1

[\[All N10-008 Questions\]](#)

A network switch was installed to provide connectivity to cameras monitoring wildlife in a remote location. The organization is concerned that intruders could potentially leverage unattended equipment in the remote location to connect rogue devices and gain access to the organization's resources. Which of the following techniques would BEST address the concern?

- A. Configure port security using MAC filtering.
- B. Manually register the cameras on the switch address table.
- C. Activate PoE+ on the active switchports.
- D. Disable Neighbor Discovery Protocol on the switch.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 136

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is documenting an application that is installed on a server and needs to verify all existing web and database connections to the server. Which of the following tools should the technician use to accomplish this task?

- A. tracert
- B. ipconfig
- C. netstat
- D. nslookup

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 137

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is assisting a user who cannot access network resources when the workstation is connected to a VoIP phone. The technician identifies the phone as faulty and replaces it. According to troubleshooting methodology, which of the following should the technician do NEXT?

- A. Implement the solution.
- B. Test the theory.
- C. Duplicate the issue.
- D. Document the findings.
- E. Verify functionality.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 138

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following OSI model layers contains IP headers?

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 139

Topic #: 1

[\[All N10-008 Questions\]](#)

A small office is running WiFi 4 APs, and neighboring offices do not want to increase the throughput to associated devices. Which of the following is the MOST cost-efficient way for the office to increase network performance?

- A. Add another AP.
- B. Disable the 2.4GHz radios.
- C. Enable channel bonding.
- D. Upgrade to WiFi 5.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 140

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is troubleshooting an application issue. The technician is able to recreate the issue in a virtual environment. According to the troubleshooting methodology, which of the following actions will the technician most likely perform NEXT?

- A. Gather information from the initial report.
- B. Escalate the issue to a supervisor.
- C. Implement a solution to resolve the issue.
- D. Establish a theory of probable cause.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 141

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following types of datacenter architectures will MOST likely be used in a large SDN and can be extended beyond the datacenter?

- A. iSCSI
- B. FCoE
- C. Three-tiered network
- D. Spine and leaf
- E. Top-of-rack switching

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 142

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting a client's report about poor wireless performance. Using a client monitor, the technician notes the following information:

SSID	Signal (RSSI)	Channel
Corporate	-50	9
Corporate	-69	10
Corporate	-67	11
Corporate	-63	6

Which of the following is MOST likely the cause of the issue?

- A. Channel overlap
- B. Poor signal
- C. Incorrect power settings
- D. Wrong antenna type

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 143

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician reviews an entry on the syslog server and discovers the following message from a switch:

SPANNING-TREE Port 1/1 BLOCKED -

Which of the following describes the issue?

- A. A loop was discovered, and the impact was mitigated.
- B. An incorrectly pinned cable was disconnected.
- C. The link-local address on the port is incorrect.
- D. The port was shut down, and it needs to be reactivated.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 144

Topic #: 1

[\[All N10-008 Questions\]](#)

A company just migrated its email service to a cloud solution. After the migration, two-thirds of the internal users were able to connect to their mailboxes, but the connection fails for the other one-third of internal users. Users working externally are not reporting any issues. The network administrator identifies the following output collected from an internal host: `c:\user> nslookup newmail.company.com`

Non-Authoritative answer:

Name: newmail.company.com -

IPs: 3.219.13.186, 64.58.225.184, 184.168.131.243

Which of the following verification tasks should the network administrator perform NEXT?

- A. Check the firewall ACL to verify all required IP addresses are included.
- B. Verify the required router PAT rules are properly configured.
- C. Confirm the internal DNS server is replying to requests for the cloud solution.
- D. Validate the cloud console to determine whether there are unlicensed requests.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 145

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician was hired to harden the security of a network. The technician is required to enable encryption and create a password for AP security through the web browser. Which of the following would BEST support these requirements?

- A. ESP
- B. WPA2
- C. IPSec
- D. ACL

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 146

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following ports are associated with IMAP? (Choose two.)

- A. 25
- B. 110
- C. 143
- D. 587
- E. 993
- F. 995

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 147

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is trying to identify a device that is having issues connecting to a switchport. Which of the following would BEST help identify the issue?

- A. A syslog server
- B. Change management records
- C. A rack diagram
- D. The security log

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 148

Topic #: 1

[\[All N10-008 Questions\]](#)

A company with multiple routers would like to implement an HA network gateway with the least amount of downtime possible. This solution should not require changes on the gateway setting of the network clients. Which of the following should a technician configure?

- A. Automate a continuous backup and restore process of the system's state of the active gateway.
- B. Use a static assignment of the gateway IP address on the network clients.
- C. Configure DHCP relay and allow clients to receive a new IP setting.
- D. Configure a shared VIP and deploy VRRP on the routers.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 149

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following protocols would allow a secure connection to a Linux-based system?

- A. SMB
- B. FTP
- C. RDP
- D. SSH

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 150

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is troubleshooting the communication between two Layer 2 switches that are reporting a very high runt count. After trying multiple ports on both switches, the issue persists. Which of the following should the network administrator perform to resolve the issue?

- A. Increase the MTU size on both switches.
- B. Recertify the cable between both switches.
- C. Perform a factory reset on both switches.
- D. Enable debug logging on both switches.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 151

Topic #: 1

[\[All N10-008 Questions\]](#)

Users attending security training at work are advised not to use single words as passwords for corporate applications. Which of the following does this BEST protect against?

- A. An on-path attack
- B. A brute-force attack
- C. A dictionary attack
- D. MAC spoofing
- E. Denial of service

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 152

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator would like to enable NetFlow on a Layer 3 switch but is concerned about how the feature may impact the switch. Which of the following metrics should the administrator graph using SNMP to BEST measure the feature's impact?

- A. CPU usage
- B. Temperature
- C. Electrical consumption
- D. Bandwidth usage

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 153

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be used to enforce and schedule critical updates with supervisory approval and include backup plans in case of failure?

- A. Business continuity plan
- B. Onboarding and offboarding policies
- C. Acceptable use policy
- D. System life cycle
- E. Change management

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 154

Topic #: 1

[\[All N10-008 Questions\]](#)

A newly installed VoIP phone is not getting the DHCP IP address it needs to connect to the phone system. Which of the following tasks need to be completed to allow the phone to operate correctly?

- A. Assign the phone's switchport to the correct VLAN
- B. Statically assign the phone's gateway address
- C. Configure a route on the VoIP network router
- D. Implement a VoIP gateway

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 155

Topic #: 1

[\[All N10-008 Questions\]](#)

Users are reporting intermittent WiFi connectivity in specific parts of a building. Which of the following should the network administrator check FIRST when troubleshooting this issue? (Choose two.)

- A. Site survey
- B. EIRP
- C. AP placement
- D. Captive portal
- E. SSID assignment
- F. AP association time

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 156

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is setting up a new router, configuring ports, and allowing access to the Internet. However, none of the users connected to this new router are able to connect to the Internet. Which of the following does the technician need to configure?

- A. Tunneling
- B. Multicast routing
- C. Network address translation
- D. Router advertisement

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 157

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is testing performance improvements by configuring channel bonding on an 802.11ac AP. Although a site survey detected the majority of the 5GHz frequency spectrum was idle, being used only by the company's WLAN and a nearby government radio system, the AP is not allowing the administrator to manually configure a large portion of the 5GHz frequency range. Which of the following would be BEST to configure for the WLAN being tested?

- A. Upgrade the equipment to an AP that supports manual configuration of the EIRP power settings
- B. Switch to 802.11n, disable channel auto-selection, and enforce channel bonding on the configuration
- C. Set up the AP to perform a dynamic selection of the frequency according to regulatory requirements
- D. Deactivate the band 5GHz to avoid interference with the government radio

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 158

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following options represents the participating computers in a network?

- A. Nodes
- B. CPUs
- C. Servers
- D. Clients

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 159

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator is working with the local ISP to troubleshoot an issue. Which of the following should the ISP use to define the furthest point on the network that the administrator is responsible for troubleshooting?

- A. Firewall
- B. A CSU/DSU
- C. Demarcation point
- D. Router
- E. Patch panel

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 160

Topic #: 1

[\[All N10-008 Questions\]](#)

To access production applications and data, developers must first connect remotely to a different server. From there, the developers are able to access production data. Which of the following does this BEST represent?

- A. A management plane
- B. A proxy server
- C. An out-of-band management device
- D. A site-to-site VPN
- E. A jump box

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 161

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is conducted frequently to maintain an updated list of a system's weaknesses?

- A. Penetration test
- B. Posture assessment
- C. Risk assessment
- D. Vulnerability scan

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 162

Topic #: 1

[\[All N10-008 Questions\]](#)

A systems administrator wants to use the least amount of equipment to segment two departments that have cables terminating in the same room. Which of the following would allow this to occur?

- A. A load balancer
- B. A proxy server
- C. A Layer 3 switch
- D. A hub
- E. A Layer 7 firewall

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 163

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator needs to connect two laptops directly to each other using 802.11ac but does not have an AP available. Which of the following describes this configuration?

- A. Basic service set
- B. Extended service set
- C. Independent basic service set
- D. MU-MIMO

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 164

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is reviewing the following metrics from a network management system regarding a switchport. The administrator suspects an issue because users are calling in regards to the switch port's performance:

Metric	Value
Uptime	201 days, 3 hours, 18 minutes
MDIX	On
CRCs	0
Giants	2508
Output queue maximum	40
Packets input	136208849
Packets output	64458087024

Based on the information in the chart above, which of the following is the cause of these performance issues?

- A. The connected device is exceeding the configured MTU.
- B. The connected device is sending too many packets.
- C. The switchport has been up for too long.
- D. The connected device is receiving too many packets.
- E. The switchport does not have enough CRCs.

Show Suggested Answer

Actual exam question from CompTIA's N10-008

Question #: 165

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is installing a new server in the datacenter. The administrator is concerned the amount of traffic generated will exceed 1GB, and higher-throughput NICs are not available for installation. Which of the following is the BEST solution for this issue?

- A. Install an additional NIC and configure LACP
- B. Remove some of the applications from the server
- C. Configure the NIC to use full duplex
- D. Configure port mirroring to send traffic to another server
- E. Install a SSD to decrease data processing time

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 166

Topic #: 1

[\[All N10-008 Questions\]](#)

A malicious user is using special software to perform an on-path attack. Which of the following best practices should be configured to mitigate this threat?

- A. Dynamic ARP inspection
- B. Role-based access
- C. Control plane policing
- D. MAC filtering

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 167

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can be used to store various types of devices and provide contactless delivery to users?

- A. Asset tags
- B. Biometrics
- C. Access control vestibules
- D. Smart lockers

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 168

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician recently set up a small office network for nine users. When the installation was complete, all the computers on the network showed addresses ranging from 169.254.0.0 to 169.254.255.255. Which of the following types of address ranges does this represent?

- A. Private
- B. Public
- C. APIPA
- D. Classless

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 169

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following OSI model layers is where a technician would view UDP information?

- A. Physical
- B. Data link
- C. Network
- D. Transport

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 170

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician at a university is assisting with the planning of a simultaneous software deployment to multiple computers in one classroom in a building. Which of the following would be BEST to use?

- A. Multicast
- B. Anycast
- C. Unicast
- D. Broadcast

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 171

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following describes the BEST device to configure as a DHCP relay?

- A. Bridge
- B. Router
- C. Layer 2 switch
- D. Hub

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 172

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following compromises Internet-connected devices and makes them vulnerable to becoming part of a botnet? (Choose two.)

- A. Deauthentication attack
- B. Malware infection
- C. IP spoofing
- D. Firmware corruption
- E. Use of default credentials
- F. Dictionary attack

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 173

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is planning a WLAN for a soccer stadium and was advised to use MU-MIMO to improve connection performance in high-density areas. The project requires compatibility with clients connecting using 2.4GHz or 5GHz frequencies. Which of the following would be the BEST wireless standard for this project?

- A. 802.11ac
- B. 802.11ax
- C. 802.11g
- D. 802.11n

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 174

Topic #: 1

[\[All N10-008 Questions\]](#)

An organization purchased an allocation of public IPv4 addresses. Instead of receiving the network address and subnet mask, the purchase paperwork indicates the allocation is a /28. This type of notation is referred to as:

- A. CIDR
- B. classful
- C. classless
- D. RFC1918

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 175

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is reviewing a document that specifies how to handle access to company resources, such as the Internet and printers, when devices are not part of the company's assets. Which of the following agreements would a user be required to accept before using the company's resources?

- A. BYOD
- B. DLP
- C. AUP
- D. MOU

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 176

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following records can be used to track the number of changes on a DNS zone?

- A. SOA
- B. SRV
- C. TXT
- D. NS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 177

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is trying to add network redundancy for the server farm. Which of the following can the network administrator configure to BEST provide this capability?

- A. VRRP
- B. DNS
- C. UPS
- D. RPO

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 178

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is adding a new switch to the network. Which of the following network hardening techniques would be BEST to use once the switch is in production?

- A. Disable unneeded ports
- B. Disable SSH service
- C. Disable MAC filtering
- D. Disable port security

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 179

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is troubleshooting an issue with a new Internet connection. The ISP is asking detailed questions about the configuration of the router that the network administrator is troubleshooting. Which of the following commands is the network administrator using? (Choose two.)

- A. tcpdump
- B. show config
- C. hostname
- D. show route
- E. netstat
- F. show ip arp

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 180

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the MOST appropriate use case for the deployment of a clientless VPN?

- A. Secure web access to internal corporate resources.
- B. Upgrade security via the use of an NFV technology.
- C. Connect two datacenters across the Internet.
- D. Increase VPN availability by using a SDWAN technology.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 181

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following security controls indicates unauthorized hardware modifications?

- A. Biometric authentication
- B. Media device sanitization
- C. Change management policy
- D. Tamper-evident seals

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 182

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician needs to install security updates on several switches on the company's network. The management team wants this completed as quickly and efficiently as possible. Which of the following should the technician do to perform the updates?

- A. Upload the security update onto each switch using a terminal emulator and a console cable.
- B. Configure a TFTP server, SSH into each device, and perform the update.
- C. Replace each old switch with new switches that have the updates already performed.
- D. Connect a USB memory stick to each switch and perform the update.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 183

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following describes traffic going in and out of a data center from the internet?

- A. Demarcation point
- B. North-South
- C. Fibre Channel
- D. Spine and leaf

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 184

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting a connectivity issue with an end user. The end user can access local network shares and intranet pages but is unable to access the internet or remote resources. Which of the following needs to be reconfigured?

- A. The IP address
- B. The subnet mask
- C. The gateway address
- D. The DNS servers

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 185

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT administrator received an assignment with the following objectives:

- ⇒ Conduct a total scan within the company's network for all connected hosts.
- ⇒ Detect all the types of operating systems running on all devices.
- ⇒ Discover all services offered by hosts on the network.
- ⇒ Find open ports and detect security risks.

Which of the following command-line tools can be used to achieve these objectives?

- A. nmap
- B. arp
- C. netstat
- D. tcpdump

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 186

Topic #: 1

[\[All N10-008 Questions\]](#)

A network manager is configuring switches in IDFs to ensure unauthorized client computers are not connecting to a secure wired network. Which of the following is the network manager MOST likely performing?

- A. Disabling unneeded switchports
- B. Changing the default VLAN
- C. Configuring DHCP snooping
- D. Writing ACLs to prevent access to the switch

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 187

Topic #: 1

[\[All N10-008 Questions\]](#)

At which of the following OSI model layers does routing occur?

- A. Data link
- B. Transport
- C. Physical
- D. Network

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 188

Topic #: 1

[\[All N10-008 Questions\]](#)

An auditor assessing network best practices was able to connect a rogue switch into a network jack and get network connectivity. Which of the following controls would BEST address this risk?

- A. Activate port security on the switchports providing end user access.
- B. Deactivate Spanning Tree Protocol on network interfaces that are facing public areas.
- C. Disable Neighbor Resolution Protocol in the Layer 2 devices.
- D. Ensure port tagging is in place for network interfaces in guest areas.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 189

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician knows the MAC address of a device and is attempting to find the device's IP address. Which of the following should the technician look at to find the IP address? (Choose two.)

- A. ARP table
- B. DHCP leases
- C. IP route table
- D. DNS cache
- E. MAC address table
- F. STP topology

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 190

Topic #: 1

[\[All N10-008 Questions\]](#)

A user in a branch office reports that access to all files has been lost after receiving a new PC. All other users in the branch can access fileshares. The IT engineer who is troubleshooting this incident is able to ping the workstation from the branch router, but the machine cannot, ping the router. Which of the following is MOST likely the cause of the incident?

- A. Incorrect subnet mask
- B. Incorrect DNS server
- C. Incorrect IP class
- D. Incorrect TCP port

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 191

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator would like to purchase a device that provides access ports to endpoints and has the ability to route between networks.

Which of the following would be BEST for the administrator to purchase?

- A. An IPS
- B. A Layer 3 switch
- C. A router
- D. A wireless LAN controller

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 192

Topic #: 1

[\[All N10-008 Questions\]](#)

A false camera is installed outside a building to assist with physical security. Which of the following is the device assisting?

- A. Detection
- B. Recovery
- C. Identification
- D. Prevention

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 193

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following types of attacks can be used to gain credentials by setting up rogue APs with identical corporate SSIDs?

- A. VLAN hopping
- B. Evil twin
- C. DNS poisoning
- D. Social engineering

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 194

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following protocols is widely used in large-scale enterprise networks to support complex networks with multiple routers and balance traffic load on multiple links?

- A. OSPF
- B. RIPv2
- C. QoS
- D. STP

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 195

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is investigating reports of poor network performance. Upon reviewing a report, the engineer finds hundreds of CRC errors on an interface. Which of the following is the MOST likely cause of these errors?

- A. A bad wire on the Cat 5e cable
- B. The wrong VLAN assignment to the switchport
- C. A misconfigured QoS setting on the router
- D. Both sides of the switch trunk set to full duplex

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 196

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is considered a physical security detection device?

- A. Cameras
- B. Biometric readers
- C. Access control vestibules
- D. Locking racks

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 197

Topic #: 1

[\[All N10-008 Questions\]](#)

A network is experiencing extreme latency when accessing a particular website. Which of the following commands will BEST help identify the issue?

- A. ipconfig
- B. netstat
- C. tracert
- D. ping

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 198

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician needs to configure a routing protocol for an internet-facing edge router. Which of the following routing protocols will the technician MOST likely use?

- A. BGP
- B. RIPv2
- C. OSPF
- D. EIGRP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 199

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is monitoring a network interface and notices the device is dropping packets. The cable and interfaces, however, are in working order. Which of the following is MOST likely the cause?

- A. OID duplication
- B. MIB mismatch
- C. CPU usage
- D. Encapsulation errors

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 200

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician installed an 8-port switch in a user's office. The user needs to add a second computer in the office, so the technician connects both PCs to the switch and connects the switch to the wall jack. However, the new PC cannot connect to network resources. The technician then observes the following:

- ⇒ The new computer does not get an IP address on the client's VLAN.
- ⇒ Both computers have a link light on their NICs.
- ⇒ The new PC appears to be operating normally except for the network issue.
- ⇒ The existing computer operates normally.

Which of the following should the technician do NEXT to address the situation?

- A. Contact the network team to resolve the port security issue.
- B. Contact the server team to have a record created in DNS for the new PC.
- C. Contact the security team to review the logs on the company's SIEM.
- D. Contact the application team to check NetFlow data from the connected switch.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 201

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator needs to provide remote clients with access to an internal web application. Which of the following methods provides the HIGHEST flexibility and compatibility while encrypting only the connection to the web application?

- A. Clientless VPN
- B. Virtual desktop
- C. Virtual network computing
- D. mGRE tunnel

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 202

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer receives the following when connecting to a switch to configure a port: telnet 10.1.200.1

Connecting to 10.1.200.1..Could not open connection to the host, on port 23: Connect failed.

Which of the following is the MOST likely cause for the failure?

- A. The network engineer is using the wrong protocol.
- B. The network engineer does not have permission to configure the device.
- C. SNMP has been secured with an ACL.
- D. The switchport the engineer is trying to configure is down.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 203

Topic #: 1

[\[All N10-008 Questions\]](#)

A network attack caused a network outage by wiping the configuration and logs of the border firewall. Which of the following sources, in an investigation to determine how the firewall was compromised, can provide the MOST detailed data?

- A. Syslog server messages
- B. MIB of the attacked firewall
- C. Network baseline reports
- D. NetFlow aggregate data

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 204

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer needs to reduce the overhead of file transfers. Which of the following configuration changes would accomplish that goal?

- A. Link aggregation
- B. Jumbo frames
- C. Port security
- D. Flow control
- E. Lower FTP port

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 205

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following devices have the capability to allow communication between two different subnetworks? (Choose two.)

- A. IDS
- B. Access point
- C. Layer 2 switch
- D. Layer 3 switch
- E. Router
- F. Media converter

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 206

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is implementing a solution that will allow end users to gain access to multiple applications after logging on. Which of the following authentication methods would allow this type of access?

- A. SSO
- B. LDAP
- C. EAP
- D. TACACS+

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 207

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator is attempting to add a new system to monitoring but is unsuccessful. The administrator notices the system is similar to another one on the network; however, the new one has an updated OS version. Which of the following should the administrator consider updating?

- A. Management information bases
- B. System baseline
- C. Network device logs
- D. SNMP traps

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 208

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician receives a report about a performance issue on a client PC that is connected to port 1/3 on a network switch. The technician observes the following configuration output from the switch:

1/1	Client PC	Connected	Full	1000
1/2	Client PC	Connected	Full	1000
1/3	Client PC	Connected	Full	10

Which of the following is a cause of the issue on port 1/3?

- A. Speed
- B. Duplex
- C. Errors
- D. VLAN

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 209

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be used when connecting devices that have different physical characteristics?

- A. A proxy server
- B. An industrial control system:
- C. A load balancer
- D. A media converter

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 210

Topic #: 1

[\[All N10-008 Questions\]](#)

A Fortune 500 firm is deciding on the kind of data center equipment to install given its five-year budget outlook. The Chief Information Officer is comparing equipment based on the life expectancy of different models. Which of the following concepts BEST represents this metric?

- A. MTBF
- B. MTTR
- C. RPO
- D. RTO

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 211

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator installed an additional IDF during a building expansion project. Which of the following documents need to be updated to reflect the change?
(Choose two.)

- A. Data loss prevention policy
- B. BYOD policy
- C. Acceptable use policy
- D. Non-disclosure agreement
- E. Disaster recovery plan
- F. Physical network diagram

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 212

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following BEST describes hosting several businesses on the same physical infrastructure?

- A. Hybrid
- B. Elasticity
- C. IaaS
- D. Multitenancy

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 213

Topic #: 1

[\[All N10-008 Questions\]](#)

A company streams video to multiple devices across a campus. When this happens, several users report a degradation of network performance. Which of the following would MOST likely address this issue?

- A. Enable IGMP snooping on the switches.
- B. Implement another DHCP server.
- C. Reconfigure port tagging for the video traffic.
- D. Change the SSID of the APs.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 214

Topic #: 1

[\[All N10-008 Questions\]](#)

The power company notifies a network administrator that it will be turning off the power to the building over the weekend. Which of the following is the BEST solution to prevent the servers from going down?

- A. Redundant power supplies
- B. Uninterruptible power supply
- C. Generator
- D. Power distribution unit

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 215

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is trying to determine whether an LACP bundle is fully operational. Which of the following commands will the technician MOST likely use?

- A. show interface
- B. show config
- C. show route
- D. show arp

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 216

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator wants to check all network connections and see the output in integer form. Which of the following commands should the administrator run on the command line?

- A. netstat
- B. netstat -a
- C. netstat -e
- D. netstat -n

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 217

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following connectors and terminations are required to make a Cat 6 cable that connects from a PC to a non-capable MDIX switch? (Choose two.)

- A. TIA-568-A - TIA-568-B
- B. TIA-568-B - TIA-568-B
- C. RJ11
- D. RJ45
- E. F-type

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 218

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is configuring a wireless network and needs to ensure users agree to an AUP before connecting. Which of the following should be implemented to achieve this goal?

- A. Captive portal
- B. Geofencing
- C. Wireless client isolation
- D. Role-based access

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 219

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician needs to determine the IPv6 address of a malicious website. Which of the following record types would provide this information?

- A. A
- B. AAAA
- C. CNAME
- D. PTR

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 220

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting a report about network connectivity issues on a workstation. Upon investigation, the technician notes the workstation is showing an APIPA address on the network interface. The technician verifies that the VLAN assignment is correct and that the network interface has connectivity. Which of the following is MOST likely the issue the workstation is experiencing?

- A. DHCP exhaustion
- B. A rogue DHCP server
- C. A DNS server outage
- D. An incorrect subnet mask

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 221

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician has determined the cause of a network disruption. Which of the following is the NEXT step for the technician to perform?

- A. Validate the findings in a top-to-bottom approach.
- B. Duplicate the issue, if possible.
- C. Establish a plan of action to resolve the issue.
- D. Document the findings and actions.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 222

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following types of connections would need to be set up to provide access from the internal network to an external network so multiple satellite offices can communicate securely using various ports and protocols?

- A. Client-to-site VPN
- B. Clientless VPN
- C. RDP
- D. Site-to-site VPN
- E. SSH

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 223

Topic #: 1

[\[All N10-008 Questions\]](#)

A corporate client is experiencing global system outages. The IT team has identified multiple potential underlying causes throughout the enterprise. Each team member has been assigned an area to troubleshoot. Which of the following approaches is being used?

- A. Divide-and-conquer
- B. Top-to-bottom
- C. Bottom-to-top
- D. Determine if anything changed

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 224

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following use cases would justify the deployment of an mGRE hub-and-spoke topology?

- A. An increase in network security using encryption and packet encapsulation
- B. A network expansion caused by an increase in the number of branch locations to the headquarters
- C. A mandatory requirement to increase the deployment of an SDWAN network
- D. An improvement in network efficiency by increasing the useful packet payload

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 225

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following needs to be tested to achieve a Cat 6a certification for a company's data cabling?

- A. RJ11
- B. LC ports
- C. Patch panel
- D. F-type connector

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 226

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is responding to an issue with a local company. To which of the following documents should the network technician refer to determine the scope of the issue?

- A. MTTR
- B. MOU
- C. NDA
- D. SLA

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 227

Topic #: 1

[\[All N10-008 Questions\]](#)

A company wants to set up a backup data center that can become active during a disaster. The site needs to contain network equipment and connectivity. Which of the following strategies should the company employ?

- A. Active-active
- B. Warm
- C. Cold
- D. Cloud

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 228

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be used to forward requests and replies between a DHCP server and client?

- A. Relay
- B. Lease
- C. Scope
- D. Range

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 229

Topic #: 1

[\[All N10-008 Questions\]](#)

Network connectivity in an extensive forest reserve was achieved using fiber optics. A network fault was detected, and now the repair team needs to check the integrity of the fiber cable. Which of the following actions can reduce repair time?

- A. Using a tone generator and wire map to determine the fault location
- B. Using a multimeter to locate the fault point
- C. Using an OTDR in one end of the optic cable to get the fiber length information
- D. Using a spectrum analyzer and comparing the current wavelength with a working baseline

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 230

Topic #: 1

[\[All N10-008 Questions\]](#)

A small office has a wireless network with several access points that are used by mobile devices. Users occasionally report that the wireless connection drops or becomes very slow. Reports confirm that this only happens when the devices are connected to the office wireless network. Which of the following is MOST likely the cause?

- A. The configuration of the encryption protocol
- B. Interference from other devices
- C. Insufficient bandwidth capacity
- D. Duplicate SSIDs

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 231

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is a benefit of the spine-and-leaf network topology?

- A. Increased network security
- B. Stable network latency
- C. Simplified network management
- D. Eliminated need for inter-VLAN routing

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 232

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician performed a manual reconfiguration of a firewall, and network connectivity was reestablished. Some connection events that were previously sent to a syslog server are no longer being generated by the firewall. Which of the following should the technician perform to fix the issue?

- A. Adjust the proper logging level on the new firewall.
- B. Tune the filter for logging the severity level on the syslog server.
- C. Activate NetFlow traffic between the syslog server and the firewall.
- D. Restart the SNMP service running on the syslog server.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 233

Topic #: 1

[\[All N10-008 Questions\]](#)

A company rents out a large event space and includes wireless internet access for each tenant. Tenants reserve a two-hour window from the company each week, which includes a tenant-specific SSID. However, all users share the company's network hardware.

The network support team is receiving complaints from tenants that some users are unable to connect to the wireless network. Upon investigation, the support team discovers a pattern indicating that after a tenant with a particularly large attendance ends its sessions, tenants throughout the day are unable to connect.

The following settings are common to all network configurations:

Wireless encryption	WPA2
Captive portal	Disabled
AP isolation	Enabled
Subnet mask	255.255.255.0
DNS server	10.0.0.1
Default gateway	10.1.10.1
DHCP scope begin	10.1.10.10
DHCP scope end	10.1.10.150
DHCP lease time	24 hours

Which of the following actions would MOST likely reduce this issue? (Choose two.)

- A. Change to WPA encryption.
- B. Change the DNS server to 10.1.10.1.
- C. Change the default gateway to 10.0.0.1.
- D. Change the DHCP scope end to 10.1.10.250.
- E. Disable AP isolation.
- F. Change the subnet mask to 255.255.255.192.
- G. Reduce the DHCP lease time to four hours.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 234

Topic #: 1

[\[All N10-008 Questions\]](#)

A user from a remote office is reporting slow file transfers. Which of the following tools will an engineer MOST likely use to get detailed measurement data?

- A. Packet capture
- B. iPerf
- C. NetFlow analyzer
- D. Internet speed test

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 235

Topic #: 1

[\[All N10-008 Questions\]](#)

When accessing corporate network resources, users are required to authenticate to each application they try to access. Which of the following concepts does this BEST represent?

- A. SSO
- B. Zero Trust
- C. VPN
- D. Role-based access control

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 236

Topic #: 1

[\[All N10-008 Questions\]](#)

Logs show an unauthorized IP address entering a secure part of the network every night at 8:00 p.m. The network administrator is concerned that this IP address will cause an issue to a critical server and would like to deny the IP address at the edge of the network. Which of the following solutions would address these concerns?

- A. Changing the VLAN of the web server
- B. Changing the server's IP address
- C. Implementing an ACL
- D. Installing a rule on the firewall connected to the web server

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 237

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is troubleshooting a connectivity performance issue. As part of the troubleshooting process, the administrator performs a traceroute from the client to the server, and also from the server to the client. While comparing the outputs, the administrator notes they show different hops between the hosts. Which of the following BEST explains these findings?

- A. Asymmetric routing
- B. A routing loop
- C. A switch loop
- D. An incorrect gateway

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 238

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting reports that a networked printer is unavailable. The printer's IP address is configured with a DHCP reservation, but the address cannot be pinged from the print server in the same subnet. Which of the following is MOST likely the cause of the connectivity failure?

- A. Incorrect VLAN
- B. DNS failure
- C. DHCP scope exhaustion
- D. Incorrect gateway

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 239

Topic #: 1

[\[All N10-008 Questions\]](#)

A systems operator is granted access to a monitoring application, configuration application, and timekeeping application. The operator is denied access to the financial and project management applications by the system's security configuration. Which of the following BEST describes the security principle in use?

- A. Network access control
- B. Least privilege
- C. Multifactor authentication
- D. Separation of duties

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 240

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is connecting a Cat 6 Ethernet cable to a device that only has LC ports. Which of the following will the technician MOST likely use to accomplish this task?

- A. A bridge
- B. A media converter
- C. A repeater
- D. A router

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 241

Topic #: 1

[\[All N10-008 Questions\]](#)

After a critical power issue, the network team was not receiving UPS status notifications. The network team would like to be alerted on these status changes. Which of the following would be BEST to use for these notifications?

- A. Traps
- B. MIB
- C. NetFlow
- D. Syslog

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 242

Topic #: 1

[\[All N10-008 Questions\]](#)

Users in a branch can access an in-house database server, but it is taking too long to fetch records. The analyst does not know whether the issue is being caused by network latency. Which of the following will the analyst MOST likely use to retrieve the metrics that are needed to resolve this issue?

- A. SNMP
- B. Link state
- C. Syslog
- D. QoS
- E. Traffic shaping

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 243

Topic #: 1

[\[All N10-008 Questions\]](#)

At which of the following OSI model layers does an IMAP client run?

- A. Layer 2
- B. Layer 4
- C. Layer 6
- D. Layer 7

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 244

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be the MOST cost-effective recovery solution for a company's lower-priority applications?

- A. Warm site
- B. Cloud site
- C. Hot site
- D. Cold site

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 245

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following network devices can perform routing between VLANs?

- A. Layer 2 switch
- B. Layer 3 switch
- C. Load balancer
- D. Bridge

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 246

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator wants to test the throughput of a new metro Ethernet circuit to verify that its performance matches the requirements specified in the SLA. Which of the following would BEST help measure the throughput?

- A. iPerf
- B. Ping
- C. NetFlow
- D. Netstat

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 247

Topic #: 1

[\[All N10-008 Questions\]](#)

A Wi-Fi network was recently deployed in a new, multilevel building. Several issues are now being reported related to latency and drops in coverage. Which of the following is the FIRST step to troubleshoot the issues?

- A. Perform a site survey.
- B. Review the AP placement.
- C. Monitor channel utilization.
- D. Test cable attenuation.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 248

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the primary function of the core layer of the three-tiered model?

- A. Routing
- B. Repeating
- C. Bridging
- D. Switching

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 249

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT officer is installing a new WAP. Which of the following must the officer change to connect users securely to the WAP?

- A. AES encryption
- B. Channel to the highest frequency within the band
- C. TKIP encryption protocol
- D. Dynamic selection of the frequency

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 250

Topic #: 1

[\[All N10-008 Questions\]](#)

To comply with an industry regulation, all communication destined to a secure server should be logged and archived on a storage device. Which of the following can be configured to fulfill this requirement?

- A. QoS traffic classification
- B. Port mirroring
- C. Flow control
- D. Link Aggregation Control Protocol

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 251

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following routing protocols is generally used by major ISPs for handling large-scale internet traffic?

- A. RIP
- B. EIGRP
- C. OSPF
- D. BGP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 252

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is consolidating a topology with multiple SSIDs into one unique SSID deployment. Which of the following features will be possible after this new configuration?

- A. Seamless roaming
- B. Basic service set
- C. WPA
- D. MU-MIMO

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 253

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is used to provide disaster recovery capabilities to spin up all critical devices using internet resources?

- A. Cloud site
- B. Hot site
- C. Cold site
- D. Warm site

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 254

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following attack vectors represents a large number of devices sending access requests to a website, making it unavailable to respond?

- A. Virus
- B. Botnet
- C. ARP spoofing
- D. DDoS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 255

Topic #: 1

[\[All N10-008 Questions\]](#)

Several end users viewing a training video report seeing pixelated images while watching. A network administrator reviews the core switch and is unable to find an immediate cause. Which of the following BEST explains what is occurring?

- A. Jitter
- B. Bandwidth
- C. Latency
- D. Giants

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 256

Topic #: 1

[\[All N10-008 Questions\]](#)

An international company is transferring its IT assets, including a number of WAPs, from the United States to an office in Europe for deployment. Which of the following considerations should the company research before implementing the wireless hardware?

- A. WPA2 cipher
- B. Regulatory impacts
- C. CDMA configuration
- D. 802.11 standards

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 257

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is moving to a new building designed with a guest waiting area that has existing network ports. Which of the following practices would BEST secure the network?

- A. Ensure all guests sign an NDA.
- B. Disable unneeded switchports in the area.
- C. Lower the radio strength to reduce Wi-Fi coverage in the waiting area.
- D. Enable MAC filtering to block unknown hardware addresses.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 258

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician receives a support ticket about an employee who has misplaced a company-owned cell phone that contains private company information. Which of the following actions should the network technician take to prevent data loss?

- A. Disable the user account.
- B. Lock the phone.
- C. Turn off the service.
- D. Execute remote wipe.

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 259

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is having issues connecting an IoT sensor to the internet. The WLAN settings were entered via a custom command line, and a proper IP address assignment was received on the wireless interface. However, when trying to connect to the internet, only HTTP redirections are being received when data is requested. Which of the following will point to the root cause of the issue?

- A. Verifying if an encryption protocol mismatch exists.
- B. Verifying if a captive portal is active for the WLAN.
- C. Verifying the minimum RSSI for operation in the device's documentation.
- D. Verifying EIRP power settings on the access point.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 260

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following topologies requires the MOST connections when designing a network?

- A. Mesh
- B. Star
- C. Bus
- D. Ring

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 261

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician removes an old PC from the network and replaces it with a new PC that is unable to connect to the LAN. Which of the following is MOST likely the cause of the issue?

- A. Port security
- B. Port tagging
- C. Port aggregation
- D. Port mirroring

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 262

Topic #: 1

[\[All N10-008 Questions\]](#)

A medical building offers patients Wi-Fi in the waiting room. Which of the following security features would be the BEST solution to provide secure connections and keep the medical data protected?

- A. Isolating the guest network
- B. Securing SNMP
- C. MAC filtering
- D. Disabling unneeded switchports

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 263

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator notices that after contact with several switches in an MDF they failed due to electrostatic discharge. Which of the following sensors should the administrator deploy to BEST monitor static electricity conditions in the MDF?

- A. Temperature
- B. Humidity
- C. Smoke
- D. Electrical

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 264

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is reviewing the network device logs on a syslog server. The messages are normal, but the time stamps on the messages are incorrect. Which of the following actions should the administrator take to ensure the log message time stamps are correct?

- A. Change the NTP settings on the network device.
- B. Change the time on the syslog server.
- C. Update the network device firmware.
- D. Adjust the timeout settings on the syslog server.
- E. Adjust the SSH settings on the network device.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 265

Topic #: 1

[\[All N10-008 Questions\]](#)

Two network technicians are installing a fiber-optic link between routers. The technicians used a light meter to verify the correct fibers. However, when they connect the fibers to the router interface, the link does not connect. Which of the following would explain the issue? (Choose two.)

- A. They used the wrong type of fiber transceiver.
- B. Incorrect TX/RX polarity exists on the link.
- C. The connection has duplexing configuration issues.
- D. Halogen light fixtures are causing interference.
- E. One of the technicians installed a loopback adapter.
- F. The RSSI was not strong enough on the link.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 266

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following protocols would enable a company to upgrade its internet connection by acquiring its own public IP prefixes and autonomous system number?

- A. EIGRP
- B. BGP
- C. IPv6
- D. MPLS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 267

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is performing tests on a potentially faulty network card that is installed in a server. Which of the following addresses will MOST likely be used during traffic diagnostic tests?

- A. 10.10.10.10
- B. 127.0.0.1
- C. 192.168.0.1
- D. 255.255.255.0

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 268

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator would like to create a fault-tolerant ring between three switches within a Layer 2 network. Which of the following Ethernet features should the administrator employ?

- A. Spanning Tree Protocol
- B. Open Shortest Path First
- C. Port mirroring
- D. An interior gateway protocol

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 269

Topic #: 1

[\[All N10-008 Questions\]](#)

During a risk assessment, which of the following should be considered when planning to mitigate high CPU utilization of a firewall?

- A. Recovery time objective
- B. Uninterruptible power supply
- C. NIC teaming
- D. Load balancing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 270

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is monitoring a fiber uplink to a remote office and notes the uplink has been operating at 100% capacity for a long duration. Which of the following performance metrics is MOST likely to be impacted with sustained link saturation?

- A. Latency
- B. Jitter
- C. Speed
- D. Bandwidth

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 271

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be used to adjust resources dynamically for a virtual web server under variable loads?

- A. Elastic computing
- B. Scalable networking
- C. Hybrid deployment
- D. Multitenant hosting

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 272

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician discovered that some information on the local database server was changed during a file transfer to a remote server. Which of the following should concern the technician the MOST?

- A. Confidentiality
- B. Integrity
- C. DDoS
- D. On-path attack

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 273

Topic #: 1

[\[All N10-008 Questions\]](#)

During a client audit, a network analyst is tasked with recommending changes to upgrade the client network and readiness. A field technician has submitted the following report:

Building B is connected to Building A via site-to-site directional antennas.

Thirty additional users have been added recently and are not shown on the network map.

The IT closet and storage room share a space that has poor ventilation.

Performance reports show optimal network performance but little on system health.

Based on this report, which of the following metrics or sensors would be the BEST recommendation to the client?

- A. Electrical
- B. Humidity
- C. Flooding
- D. Temperature

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 274

Topic #: 1

[\[All N10-008 Questions\]](#)

After HVAC failures caused network outages, the support team decides to monitor the temperatures of all the devices. The network administrator cannot find a command that will display this information. Which of the following will retrieve the necessary information?

- A. SNMP OID values
- B. NetFlow data export
- C. Network baseline configurations
- D. Security information and event management

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 275

Topic #: 1

[\[All N10-008 Questions\]](#)

Several employees have expressed concerns about the company monitoring their internet activity when they are working from home. The company wants to mitigate this issue and reassure employees that their private internet activity is not being monitored. Which of the following would satisfy company and employee needs?

- A. Split tunnel
- B. Full tunnel
- C. Site-to-site tunnel
- D. Virtual desktop

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 276

Topic #: 1

[\[All N10-008 Questions\]](#)

A company needs a redundant link to provide a channel to the management network in an incident response scenario. Which of the following remote access methods provides the BEST solution?

- A. Out-of-band access
- B. Split-tunnel connections
- C. Virtual network computing
- D. Remote desktop gateways

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 277

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer is gathering data to determine the effectiveness of UPSs in use at remote retail locations. Which of the following statistics can the engineer use to determine the availability of the remote network equipment?

- A. Uptime
- B. NetFlow baseline
- C. SNMP traps
- D. Interface statistics

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 278

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can be used to decrease latency during periods of high utilization of a firewall?

- A. Hot site
- B. NIC teaming
- C. HA pair
- D. VRRP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 279

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator needs to configure a server to use the most accurate NTP reference available. Which of the following NTP devices should the administrator select?

- A. Stratum 1
- B. Stratum 2
- C. Stratum 3
- D. Stratum 4

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 280

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following devices is used to configure and centrally manage access points installed at different locations?

- A. Wireless controller
- B. Load balancer
- C. Proxy server
- D. VPN concentrator

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 281

Topic #: 1

[\[All N10-008 Questions\]](#)

A user reports that a new VoIP phone works properly, but the computer that is connected to the phone cannot access any network resources. Which of the following MOST likely needs to be configured correctly to provide network connectivity to the computer?

- A. Port duplex settings
- B. Port aggregation
- C. ARP settings
- D. VLAN tags
- E. MDIX settings

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 282

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is investigating packet loss to a device that has varying data bursts throughout the day. Which of the following will the technician MOST likely configure to resolve the issue?

- A. Flow control
- B. Jumbo frames
- C. Duplex
- D. Port mirroring

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 283

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following connector types would be used to connect to the demarcation point and provide network access to a cable modem?

- A. F-type
- B. RJ45
- C. LC
- D. RJ11

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 284

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following provides guidance to an employee about restricting non-business access to the company's videoconferencing solution?

- A. Acceptable use policy
- B. Data loss prevention
- C. Remote access policy
- D. Standard operating procedure

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 285

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would MOST likely utilize PoE?

- A. A camera
- B. A printer
- C. A hub
- D. A modem

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 286

Topic #: 1

[\[All N10-008 Questions\]](#)

A security administrator is trying to prevent incorrect IP addresses from being assigned to clients on the network. Which of the following would MOST likely prevent this and allow the network to continue to operate?

- A. Configuring DHCP snooping on the switch
- B. Preventing broadcast messages leaving the client network
- C. Blocking ports 67/68 on the client network
- D. Enabling port security on access ports

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 287

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can have multiple VLAN interfaces?

- A. Hub
- B. Layer 3 switch
- C. Bridge
- D. Load balancer

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 288

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician needs to ensure that all files on a company's network can be moved in a safe and protected manner without interception from someone who is not the intended recipient. Which of the following would allow the network technician to meet these requirements?

- A. FTP
- B. TFTP
- C. SMTP
- D. SFTP

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 289

Topic #: 1

[\[All N10-008 Questions\]](#)

A device is connected to a managed Layer 3 network switch. The MAC address of the device is known, but the static IP address assigned to the device is not. Which of the following features of a Layer 3 network switch should be used to determine the IPv4 address of the device?

- A. MAC table
- B. Neighbor Discovery Protocol
- C. ARP table
- D. IPConfig
- E. ACL table

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 290

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the IEEE link cost for a Fast Ethernet interface in STP calculations?

- A. 2
- B. 4
- C. 19
- D. 100

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 291

Topic #: 1

[\[All N10-008 Questions\]](#)

Two users on a LAN establish a video call. Which of the following OSI model layers ensures the initiation, coordination, and termination of the call?

- A. Session
- B. Physical
- C. Transport
- D. Data link

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 292

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator received a report stating a critical vulnerability was detected on an application that is exposed to the internet. Which of the following is the appropriate NEXT step?

- A. Check for the existence of a known exploit in order to assess the risk.
- B. Immediately shut down the vulnerable application server.
- C. Install a network access control agent on the server.
- D. Deploy a new server to host the application.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 293

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is utilizing multifactor authentication for data center access. Which of the following is the MOST effective security mechanism against physical intrusions due to stolen credentials?

- A. Biometrics security hardware
- B. Access card readers
- C. Access control vestibule
- D. Motion detection cameras

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 294

Topic #: 1

[\[All N10-008 Questions\]](#)

A help desk technician is concerned that a client's network cable issues may be causing intermittent connectivity. Which of the following would help the technician determine if this is the issue?

- A. Run the show interface command on the switch.
- B. Run the traceroute command on the server.
- C. Run iperf on the technician's desktop.
- D. Ping the client's computer from the router.
- E. Run a port scanner on the client's IP address.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 295

Topic #: 1

[\[All N10-008 Questions\]](#)

An ISP is unable to provide services to a user in a remote area through cable and DSL. Which of the following is the NEXT best solution to provide services without adding external infrastructure?

- A. Fiber
- B. Leased line
- C. Satellite
- D. Metro optical

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 296

Topic #: 1

[\[All N10-008 Questions\]](#)

A new global ISP needs to connect from central offices in North America to the United Kingdom. Which of the following would be the BEST cabling solution for this project?

- A. Single-mode
- B. Coaxial
- C. Cat 6a
- D. Twinaxial

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 297

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer developed a plan of action to resolve an ongoing issue. Which of the following steps should the engineer take NEXT?

- A. Verify full system functionality and implement preventative measures.
- B. Implement the solution to resolve the problem.
- C. Document findings, actions, outcomes, and lessons learned.
- D. Establish a theory of probable cause.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 298

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following documents would be used to define uptime commitments from a provider, along with details on measurement and enforcement?

- A. NDA
- B. SLA
- C. MOU
- D. AUP

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 299

Topic #: 1

[\[All N10-008 Questions\]](#)

Switch 3 was recently added to an existing stack to extend connectivity to various parts of the network. After the update, new employees were not able to print to the main networked copiers from their workstations. Following are the port configurations for the switch stack in question:

Switch 1:

	Ports 1–12	Ports 13–24	Ports 25–36	Ports 37–44	Ports 45–48
Description	Workstations	Printers	Workstations	Wireless APs	Uplink
VLAN	20	60	20	80	20/60/80
Duplex	Full	Full	Full	Full	Full
Status	Active	Active	Active	Active	Active

Switch 2:

	Ports 1–12	Ports 13–24	Ports 25–36	Ports 37–44	Ports 45–48
Description	Workstations	Printers	Workstations	Wireless APs	Uplink
VLAN	20	60	20	80	20/60/80
Duplex	Full	Full	Full	Full	Full
Status	Active	Active	Shut down	Active	Active

Switch 3:

	Ports 1–12	Ports 13–24	Ports 25–36	Ports 37–44	Ports 45–48
Description	Workstations	Printers	Workstations	Wireless APs	Uplink
VLAN	20	80	20	80	20/60/80
Duplex	Full	Full	Full	Full	Full
Status	Active	Shut down	Shut down	Shut down	Active

Which of the following should be configured to resolve the issue? (Choose two.)

- A. Enable the printer ports on Switch 3.
- B. Reconfigure the duplex settings on the printer ports on Switch 3.
- C. Reconfigure the VLAN on all printer ports to VLAN 20.
- D. Enable all ports that are shut down on the stack.
- E. Reconfigure the VLAN on the printer ports on Switch 3.
- F. Enable wireless APs on Switch 3.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 300

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is setting up a new phone system and needs to define the location where VoIP phones can download configuration files. Which of the following DHCP services can be used to accomplish this task?

- A. Scope options
- B. Exclusion ranges
- C. Lease time
- D. Relay

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 301

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer needs to restrict the database servers that are in the same subnet from communicating with each other. The database servers will still need to communicate with the application servers in a different subnet. In some cases, the database servers will be clustered, and the servers will need to communicate with other cluster members. Which of the following technologies will be BEST to use to implement this filtering without creating rules?

- A. Private VLANs
- B. Access control lists
- C. Firewalls
- D. Control plane policing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 302

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician was cleaning a storage closet and found a box of transceivers labeled 8Gbps. Which of the following protocols uses those transceivers?

- A. Coaxial over Ethernet
- B. Internet Small Computer Systems Interface
- C. Fibre Channel
- D. Gigabit interface converter

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 303

Topic #: 1

[\[All N10-008 Questions\]](#)

A customer wants to log in to a vendor's server using a web browser on a laptop. Which of the following would require the LEAST configuration to allow encrypted access to the server?

- A. Secure Sockets Layer
- B. Site-to-site VPN
- C. Remote desktop gateway
- D. Client-to-site VPN

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 304

Topic #: 1

[\[All N10-008 Questions\]](#)

A user calls the IT department to report being unable to log in after locking the computer. The user resets the password, but later in the day the user is again unable to log in after locking the computer. Which of the following attacks against the user is MOST likely taking place?

- A. Brute-force
- B. On-path
- C. Deauthentication
- D. Phishing

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 305

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator determines that even when optimal wireless coverage is configured, the network users still report constant disconnections. After troubleshooting, the administrator determines that moving from one location to another causes the disconnection. Which of the following settings should provide better network stability?

- A. Client association timeout
- B. RSSI roaming threshold
- C. RF attenuation ratio
- D. EIRP power setting

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 306

Topic #: 1

[\[All N10-008 Questions\]](#)

At which of the following layers of the OSI model will the administrator MOST likely start to troubleshoot when a network is experiencing a number of CRC errors?

- A. Layer 1
- B. Layer 2
- C. Layer 3
- D. Layer 4
- E. Layer 5
- F. Layer 6
- G. Layer 7

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 307

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following uses the link-state routing algorithm and operates within a single autonomous system?

- A. EIGRP
- B. OSPF
- C. RIP
- D. BGP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 308

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is designing a wireless network. The administrator must ensure a rented office space has a sufficient signal. Reducing exposure to the wireless network is important, but it is secondary to the primary objective. Which of the following would MOST likely facilitate the correct accessibility to the Wi-Fi network?

- A. Polarization
- B. Channel utilization
- C. Channel bonding
- D. Antenna type
- E. MU-MIMO

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 309

Topic #: 1

[\[All N10-008 Questions\]](#)

An office area contains two PoE-enabled WAPs. After the area was remodeled, new cable uplinks were installed in the ceiling above the fluorescent lights. However, after the WAPs were reconnected, users reported slowness and application errors. An intern reviewed the network and discovered a lot of CRC errors. A network engineer reviewed the intern's work and realized UTP cabling was used. Which of the following is the MOST likely cause of the CRC errors?

- A. Insufficient power at the antennas
- B. PoE and UTP incompatibility
- C. Electromagnetic interference
- D. Wrong cable pinout

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 310

Topic #: 1

[\[All N10-008 Questions\]](#)

Several users with older devices are reporting intermittent connectivity while in an outdoor patio area. After some research, the network administrator determines that an outdoor WAP might help with the issue. However, the company does not want the signal to bleed into the building and cause interference. Which of the following should the network administrator perform to BEST resolve the issue?

- A. Disable the SSID broadcast on the WAP in the patio area.
- B. Install a WAP and enable 5GHz only within the patio area.
- C. Install a directional WAP in the direction of the patio.
- D. Install a repeater on the back wall of the patio area.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 311

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is most likely to have the HIGHEST latency while being the most accessible?

- A. Satellite
- B. DSL
- C. Cable
- D. 4G

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 312

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is used to elect an STP root?

- A. A bridge ID
- B. A bridge protocol data unit
- C. Interface port priority
- D. A switch's root port

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 313

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following commands can be used to display the IP address, subnet address, gateway address, and DNS address on a Windows computer?

- A. netstat -a
- B. ifconfig
- C. ip addr
- D. ipconfig /all

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 314

Topic #: 1

[\[All N10-008 Questions\]](#)

A user calls the help desk to report being unable to reach a file server. The technician logs in to the user's computer and verifies that pings fail to respond back when trying to reach the file server. Which of the following would BEST help the technician verify whether the file server is reachable?

- A. netstat
- B. ipconfig
- C. nslookup
- D. traceroute

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 315

Topic #: 1

[\[All N10-008 Questions\]](#)

An employee reports to a network administrator that internet access is not working. Which of the following should the administrator do FIRST?

- A. Establish a theory of probable cause.
- B. Identify symptoms.
- C. Determine if anything has changed.
- D. Ask the user to restart the computer.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 316

Topic #: 1

[\[All N10-008 Questions\]](#)

A security engineer is installing a new IDS on the network. The engineer has asked a network administrator to ensure all traffic entering and leaving the router interface is available for the IDS. Which of the following should the network administrator do?

- A. Install a network tap for the IDS.
- B. Configure ACLs to route traffic to the IDS.
- C. Install an additional NIC into the IDS.
- D. Install a loopback adapter for the IDS.
- E. Add an additional route on the router for the IDS.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 317

Topic #: 1

[\[All N10-008 Questions\]](#)

An employee working in a warehouse facility is experiencing interruptions in mobile applications while walking around the facility. According to a recent site survey, the WLAN comprises autonomous APs that are directly connected to the internet, providing adequate signal coverage. Which of the following is the BEST solution to improve network stability?

- A. Implement client roaming using an extended service deployment employing a wireless controller.
- B. Remove omnidirectional antennas and adopt a directional bridge.
- C. Ensure all APs of the warehouse support MIMO and Wi-Fi 4.
- D. Verify that the level of EIRP power settings is set to the maximum permitted by regulations.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 318

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following will reduce routing table lookups by performing packet forwarding decisions independently of the network layer header?

- A. MPLS
- B. mGRE
- C. EIGRP
- D. VRRP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 319

Topic #: 1

[\[All N10-008 Questions\]](#)

While walking from the parking lot to an access-controlled door, an employee sees an authorized user open the door. Then the employee notices that another person catches the door before it closes and goes inside. Which of the following attacks is taking place?

- A. Tailgating
- B. Piggybacking
- C. Shoulder surfing
- D. Phishing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 320

Topic #: 1

[\[All N10-008 Questions\]](#)

Given the following information:

Connection	Cable length	Cable type	Configuration
PC A to switch 1	394ft (120m)	Cat 5	Straight through
Switch 1 to switch 2	3.3ft (1m)	Cat 6	Crossover
Switch 2 to PC B	16ft (5m)	Cat 5	Straight through

Which of the following would cause performance degradation between PC A and PC B?

- A. Attenuation
- B. Interference
- C. Decibel loss
- D. Incorrect pinout

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 321

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer recently decided to upgrade the firmware on a router. During the upgrade, the help desk received calls about a network outage, and a critical ticket was opened. The network manager would like to create a policy to prevent this from happening in the future. Which of the following documents should the manager create?

- A. Change management
- B. Incident response
- C. Standard operating procedure
- D. System life cycle

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 322

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is deploying a new SSID for an industrial control system. The control devices require the network to use encryption that employs TKIP and a symmetrical password to connect. Which of the following should the technician configure to ensure compatibility with the control devices?

- A. WPA2-Enterprise
- B. WPA-Enterprise
- C. WPA-PSK
- D. WPA2-PSK

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 323

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following ports should be used to securely receive mail that is synchronized across multiple devices?

- A. 25
- B. 110
- C. 443
- D. 993

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 324

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is getting reports of some internal users who cannot connect to network resources. The users state they were able to connect last week, but not today. No changes have been configured on the network devices or server during the last few weeks. Which of the following is the MOST likely cause of the issue?

- A. The client DHCP scope is fully utilized.
- B. The wired network is experiencing electrical interference.
- C. The captive portal is down and needs to be restarted.
- D. SNMP traps are being received.
- E. The packet counter on the router interface is high.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 325

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator needs to provide evidence to confirm that recent network outages were caused by increased traffic generated by a recently released application. Which of the following actions will BEST support the administrator's response?

- A. Generate a network baseline report for comparison.
- B. Export the firewall traffic logs.
- C. Collect the router's NetFlow data.
- D. Plot interface statistics for dropped packets.

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 326

Topic #: 1

[\[All N10-008 Questions\]](#)

During a recent security audit, a contracted penetration tester discovered the organization uses a number of insecure protocols. Which of the following ports should be disallowed so only encrypted protocols are allowed? (Choose two.)

- A. 22
- B. 23
- C. 69
- D. 443
- E. 587
- F. 8080

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 327

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is configuring a static IP address on a new device in a newly created subnet. The work order specifies the following requirements:

- The IP address should use the highest address available in the subnet.
- The default gateway needs to be set to 172.28.85.94.
- The subnet mask needs to be 255.255.255.224.

Which of the following addresses should the engineer apply to the device?

- A. 172.28.85.93
- B. 172.28.85.95
- C. 172.28.85.254
- D. 172.28.85.255

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 328

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is troubleshooting an area where the wireless connection to devices is poor. The technician theorizes that the signal-to-noise ratio in the area is causing the issue. Which of the following should the technician do NEXT?

- A. Run diagnostics on the relevant devices.
- B. Move the access point to a different location.
- C. Escalate the issue to the vendor's support team.
- D. Remove any electronics that might be causing interference.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 329

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following must be functioning properly in order for a network administrator to create an accurate timeline during a troubleshooting process?

- A. NTP
- B. IP helper
- C. Syslog
- D. MySQL

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 330

Topic #: 1

[\[All N10-008 Questions\]](#)

A large metropolitan city is looking to standardize the ability for police department laptops to connect to the city government's VPN. The city would like a wireless solution that provides the largest coverage across the city with a minimal number of transmission towers. Latency and overall bandwidth needs are not high priorities. Which of the following would BEST meet the city's needs?

- A. 5G
- B. LTE
- C. Wi-Fi 4
- D. Wi-Fi 5
- E. Wi-Fi 6

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 331

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following physical security methods is the MOST effective to prevent tailgating?

- A. Biometrics in an access control vestibule
- B. IP cameras with motion detection
- C. Smart lockers with tamper protection
- D. Badge readers plus a PIN pad

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 332

Topic #: 1

[\[All N10-008 Questions\]](#)

A network client is trying to connect to the wrong TCP port. Which of the following responses would the client MOST likely receive?

- A. RST
- B. FIN
- C. ICMP Time Exceeded
- D. Redirect

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 333

Topic #: 1

[\[All N10-008 Questions\]](#)

A company's data center is hosted at its corporate office to ensure greater control over the security of sensitive data. During times when there are increased workloads, some of the company's non-sensitive data is shifted to an external cloud provider. Which of the following cloud deployment models does this describe?

- A. Hybrid
- B. Community
- C. Public
- D. Private

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 334

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer needs to create a subnet that has the capacity for five VLANs, with the following number of clients to be allowed on each:

VLAN 10	50 users
VLAN 20	35 users
VLAN 30	20 users
VLAN 40	75 users
VLAN 50	130 users

Which of the following is the SMALLEST subnet capable of this setup that also has the capacity to double the number of clients in the future?

- A. 10.0.0.0/21
- B. 10.0.0.0/22
- C. 10.0.0.0/23
- D. 10.0.0.0/24

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 335

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is selecting a replacement for a damaged fiber cable that goes directly to an SFP transceiver on a network switch. Which of the following cable connectors should be used?

- A. RJ45
- B. LC
- C. MT
- D. F-type

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 336

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is deploying a SAN at headquarters and a branch office 1,000mi (1,609km) away that will access small amounts of data. Which of the following types of connections would be MOST cost effective to implement?

- A. iSCSI
- B. FCoE
- C. Ethernet
- D. FC

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 337

Topic #: 1

[\[All N10-008 Questions\]](#)

A company wants to add a local redundant data center to its network in case of failure at its primary location. Which of the following would give the LEAST amount of redundancy for the company's network?

- A. Cold site
- B. Hot site
- C. Cloud site
- D. Warm site

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 338

Topic #: 1

[\[All N10-008 Questions\]](#)

A new student is given credentials to log on to the campus Wi-Fi. The student stores the password in a laptop and is able to connect: however, the student is not able to connect with a phone when only a short distance from the laptop. Given the following information:

Signal strength	90%
Coverage	80%
Interference	15%
Number of connection attempts	10

Which of the following is MOST likely causing this connection failure?

- A. Transmission speed
- B. Incorrect passphrase
- C. Channel overlap
- D. Antenna cable attenuation/signal loss

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 339

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician manages a DHCP scope but needs to allocate a portion of the scope's subnet for statically assigned devices. Which of the following DHCP concepts would be BEST to use to prevent IP address conflicts?

- A. Dynamic assignment
- B. Exclusion range
- C. Address reservation
- D. IP helper

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 340

Topic #: 1

[\[All N10-008 Questions\]](#)

Due to a surge in business, a company is onboarding an unusually high number of salespeople. The salespeople are assigned desktops that are wired to the network. The last few salespeople to be onboarded are able to access corporate materials on the network but not sales-specific resources. Which of the following is MOST likely the cause?

- A. The switch was configured with port security.
- B. Newly added machines are running into DHCP conflicts.
- C. The IPS was not configured to recognize the new users.
- D. Recently added users were assigned to the wrong VLAN

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 341

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician wants to monitor and provide traffic segmentation across the network. The technician would like to assign each department a specific identifier. Which of the following will the technician MOST likely use?

- A. Flow control
- B. Traffic shaping
- C. VLAN tagging
- D. Network performance baselines

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 342

Topic #: 1

[\[All N10-008 Questions\]](#)

Network users reported that a recent firmware upgrade to a firewall did not resolve the issue that prompted the upgrade. Which of the following should be performed NEXT?

- A. Reopen the service ticket, request a new maintenance window, and roll back to the anterior firmware version.
- B. Gather additional information to ensure users' concerns are not been caused by a different issue with similar symptoms.
- C. Employ a divide-and-conquer troubleshooting methodology by engaging the firewall vendor's support.
- D. Escalate the issue to the IT management team in order to negotiate a new SLA with the user's manager.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 343

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator would like to allow Windows clients from outside the office to access workstations without using third-party software. Which of the following access methods would meet this requirement?

- A. Remote desktop gateway
- B. Split tunnel
- C. Site-to-site VPN
- D. VNC

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 344

Topic #: 1

[\[All N10-008 Questions\]](#)

A client who shares office space and an IT closet with another company recently reported connectivity issues throughout the network. Multiple third-party vendors regularly perform on-site maintenance in the shared IT closet. Which of the following security techniques would BEST secure the physical networking equipment?

- A. Disabling unneeded switchports
- B. Implementing role-based access
- C. Changing the default passwords
- D. Configuring an access control list

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 345

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is investigating issues on a Layer 2 switch. The department typically shares a switchport during meetings for presentations, but after the first user shares, no other users can connect. Which of the following is MOST likely related to this issue?

- A. Spanning Tree Protocol is enabled on the switch.
- B. VLAN trunking is enabled on the switch.
- C. Port security is configured on the switch.
- D. Dynamic ARP inspection is configured on the switch.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 346

Topic #: 1

[\[All N10-008 Questions\]](#)

A company's primary ISP is experiencing an outage. However, the network administrator notices traffic continuing to flow through a secondary connection to the same ISP. Which of the following BEST describes this configuration?

- A. Diverse paths
- B. Load balancing
- C. Multipathing
- D. Virtual Router Redundancy Protocol

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 347

Topic #: 1

[\[All N10-008 Questions\]](#)

SIMULATION -

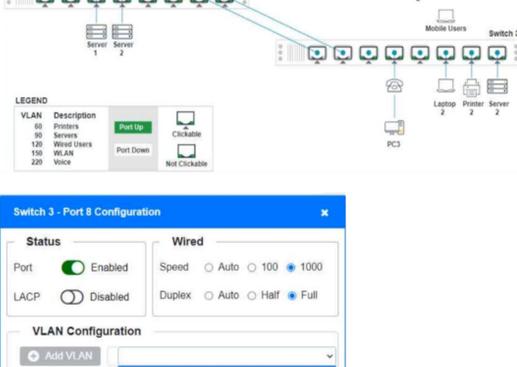
A network technician replaced a switch and needs to reconfigure it to allow the connected devices to connect to the correct networks.

INSTRUCTIONS -

Click on the appropriate port(s) on Switch 1 and Switch 3 to verify or reconfigure the correct settings:

- Ensure each device accesses only its correctly associated network
- Disable all unused switch ports
- Require fault-tolerant connections between the switches
- Only make necessary changes to complete the above requirements

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



Switch 3 - Port 8 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN1 (UnTagged)

Switch 3 - Port 7 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN1 (UnTagged)

Switch 3 - Port 6 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN150 (UnTagged)

Switch 3 - Port 4 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN1 (UnTagged)

Switch 3 - Port 1 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN1 (UnTagged)

Switch 1 - Port 7 Configuration

Status: Port Enabled, LACP Enabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN60 (Tagged), VLAN90 (Tagged), VLAN120 (Tagged), VLAN150 (Tagged), VLAN220 (Tagged)

Switch 1 - Port 8 Configuration

Status: Port Enabled, LACP Enabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN60 (Tagged), VLAN90 (Tagged), VLAN120 (Tagged), VLAN150 (Tagged), VLAN220 (Tagged)

Switch 1 - Port 6 Configuration

Status: Port Enabled, LACP Enabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN60 (Tagged), VLAN120 (Tagged), VLAN150 (Tagged)

Switch 1 - Port 2 Configuration

Status: Port Enabled, LACP Enabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN60 (Tagged), VLAN90 (Tagged), VLAN120 (Tagged), VLAN150 (Tagged), VLAN220 (Tagged)

Switch 1 - Port 1 Configuration

Status: Port Enabled, LACP Enabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN60 (Tagged), VLAN90 (Tagged), VLAN120 (Tagged), VLAN150 (Tagged), VLAN220 (Tagged)

Switch 1 - Port 5 Configuration

Status: Port Enabled, LACP Enabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN60 (Tagged), VLAN120 (Tagged), VLAN150 (Tagged)

Switch 1 - Port 4 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN90 (UnTagged)

Switch 1 - Port 3 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN90 (UnTagged)

Switch 3 - Port 2 Configuration

Status: Port Enabled, LACP Disabled

Wired: Speed Auto 100 1000, Duplex Auto Half Full

VLAN Configuration: VLAN90 (UnTagged)

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 348

Topic #: 1

[\[All N10-008 Questions\]](#)

A company's web server is hosted at a local ISP. This is an example of:

- A. colocation.
- B. an on-premises data center.
- C. a branch office.
- D. a cloud provider.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 349

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is preparing answers for an annual risk assessment that is required for compliance purposes. Which of the following would be an example of an internal threat?

- A. An approved vendor with on-site offices
- B. An infected client that pulls reports from the firm
- C. A malicious attacker from within the same country
- D. A malicious attacker attempting to socially engineer access into corporate offices

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 350

Topic #: 1

[\[All N10-008 Questions\]](#)

Classification using labels according to information sensitivity and impact in case of unauthorized access or leakage is a mandatory component of:

- A. an acceptable use policy.
- B. a memorandum of understanding.
- C. data loss prevention.
- D. a non-disclosure agreement.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 351

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is trying to install a VoIP phone, but the phone is not turning on. The technician checks the cable going from the phone to the switch, and the cable is good. Which of the following actions is needed for this phone to work?

- A. Add a PoE injector.
- B. Enable MDIX.
- C. Use a crossover cable.
- D. Reconfigure the port.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 352

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is MOST appropriate for enforcing bandwidth limits when the performance of an application is not affected by the use of buffering but is heavily impacted by packet drops?

- A. Traffic shaping
- B. Traffic policing
- C. Traffic marking
- D. Traffic classification

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 353

Topic #: 1

[\[All N10-008 Questions\]](#)

A client utilizes mobile tablets to view high-resolution images and videos via Wi-Fi within a corporate office building. The previous administrator installed multiple high-density APs with Wi-Fi 5, providing maximum coverage, but the measured performance is still below expected levels. Which of the following would provide the BEST solution?

- A. Channel bonding
- B. EIRP power settings
- C. Antenna polarization
- D. A directional antenna

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 354

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is troubleshooting a new web server connectivity issue. The network technician discovers the following on the support ticket:

- The server's IP address can be pinged from the client PCs.
- Access to the web resource works correctly when on the server's console.
- No clients can access the server's data via URL.
- The server does not have a firewall configured.
- No ACLs are preventing connectivity from the client's network.
- All services on the server are operating normally, which was confirmed by the server team.

Which of the following actions will resolve the issue?

- A. Reset port security on the switchport connecting the server.
- B. Adjust the web server's NTP setting to match the client settings.
- C. Configure A records for the web server.
- D. Install the correct MIB on the web server.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 355

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following layers of the OSI model has new protocols activated when a user moves from a wireless to a wired connection?

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 356

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is assisting a user who cannot connect to a website. The technician attempts to ping the default gateway and DNS server of the workstation. According to troubleshooting methodology, this is an example of:

- A. a divide-and-conquer approach.
- B. a bottom-up approach.
- C. a top-to-bottom approach.
- D. implementing a solution.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 357

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the NEXT step to perform network troubleshooting after identifying an issue?

- A. Implement a solution.
- B. Establish a theory.
- C. Escalate the issue.
- D. Document the findings.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 358

Topic #: 1

[\[All N10-008 Questions\]](#)

A network team is getting reports that air conditioning is out in an IDF. The team would like to determine whether additional network issues are occurring. Which of the following should the network team do?

- A. Confirm that memory usage on the network devices in the IDF is normal.
- B. Access network baseline data for references to an air conditioning issue.
- C. Verify severity levels on the corporate syslog server.
- D. Check for SNMP traps from a network device in the IDF.
- E. Review interface statistics looking for cyclic redundancy errors.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 359

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the MOST cost-effective alternative that provides proper cabling and supports gigabit Ethernet devices?

- A. Twisted cable with a minimum Cat 5e certification
- B. Multimode fiber with an SC connector
- C. Twinaxial cabling using an F-type connector
- D. Cable termination using TIA/EIA-568-B

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 360

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is installing the Wi-Fi infrastructure for legacy industrial machinery at a warehouse. The equipment only supports 802.11a and 802.11b standards. Speed of transmission is the top business requirement. Which of the following is the correct maximum speed for this scenario?

- A. 11Mbps
- B. 54Mbps
- C. 128Mbps
- D. 144Mbps

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 361

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be the BEST choice to connect branch sites to a main office securely?

- A. VPN headend
- B. Proxy server
- C. Bridge
- D. Load balancer

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 362

Topic #: 1

[\[All N10-008 Questions\]](#)

Due to concerns around single points of failure, a company decided to add an additional WAN to the network. The company added a second MPLS vendor to the current MPLS WAN and deployed an additional WAN router at each site. Both MPLS providers use OSPF on the WAN network, and EIGRP is run internally. The first site to go live with the new WAN is successful, but when the second site is activated significant network issues occur. Which of the following is the MOST likely cause for the WAN instability?

- A. A CDP neighbor has changed
- B. Asymmetrical routing
- C. A switching loop
- D. An incorrect IP address

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 363

Topic #: 1

[\[All N10-008 Questions\]](#)

During the troubleshooting of an E1 line, the point-to-point link on the core router was accidentally unplugged and left unconnected for several hours. However, the network management team was not notified. Which of the following could have been configured to allow early detection and possible resolution of the issue?

- A. Traps
- B. MIB
- C. OID
- D. Baselines

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 364

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following layers of the OSI model receives data from the application layer and converts it into syntax that is readable by other devices on the network?

- A. Layer 1
- B. Layer 3
- C. Layer 6
- D. Layer 7

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 365

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following topologies is designed to fully support applications hosted in on-premises data centers, public or private clouds, and SaaS services?

- A. SDWAN
- B. MAN
- C. PAN
- D. MPLS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 366

Topic #: 1

[\[All N10-008 Questions\]](#)

A Chief Executive Officer and a network administrator came to an agreement with a vendor to purchase new equipment for the data center. A document was drafted so all parties would be informed about the scope of the project before it started. Which of the following terms BEST describes the document used?

- A. Contract
- B. Project charter
- C. Memorandum of understanding
- D. Non-disclosure agreement

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 367

Topic #: 1

[\[All N10-008 Questions\]](#)

ARP spoofing would normally be a part of:

- A. an on-path attack.
- B. DNS poisoning.
- C. a DoS attack.
- D. a rogue access point.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 368

Topic #: 1

[\[All N10-008 Questions\]](#)

A corporation is looking for a method to secure all traffic between a branch office and its data center in order to provide a zero-touch experience for all staff members who work there. Which of the following would BEST meet this requirement?

- A. Site-to-site VPN
- B. VNC
- C. Remote desktop gateway
- D. Virtual LANs

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 369

Topic #: 1

[\[All N10-008 Questions\]](#)

A company cell phone was stolen from a technician's vehicle. The cell phone has a passcode, but it contains sensitive information about clients and vendors. Which of the following should also be enabled?

- A. Factory reset
- B. Autolock
- C. Encryption
- D. Two-factor authentication

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 370

Topic #: 1

[\[All N10-008 Questions\]](#)

An organization is interested in purchasing a backup solution that supports the organization's goals. Which of the following concepts would specify the maximum duration that a given service can be down before impacting operations?

- A. MTTR
- B. RTO
- C. MTBF
- D. RPO

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 371

Topic #: 1

[\[All N10-008 Questions\]](#)

During an annual review of policy documents, a company decided to adjust its recovery time frames. The company agreed that critical applications can be down for no more than six hours, and the acceptable amount of data loss is no more than two hours. Which of the following should be documented as the RPO?

- A. Two hours
- B. Four hours
- C. Six hours
- D. Eight hours

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 372

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is given the network 80.87.78.0/26 for specific device assignments. Which of the following describes this network?

- A. 80.87.78.0 - 80.87.78.14
- B. 80.87.78.0 - 80.87.78.110
- C. 80.87.78.1 - 80.87.78.62
- D. 80.87.78.1 - 80.87.78.158

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 373

Topic #: 1

[\[All N10-008 Questions\]](#)

An organization set up its offices so that a desktop is connected to the network through a VoIP phone. The VoIP vendor requested that voice traffic be segmented separately from non-voice traffic. Which of the following would allow the organization to configure multiple devices with network isolation on a single switch port?

- A. Subinterfaces
- B. Link aggregation
- C. Load balancing
- D. Tunneling

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 374

Topic #: 1

[\[All N10-008 Questions\]](#)

An attacker targeting a large company was able to inject malicious A records into internal name resolution servers. Which of the following attack types was MOST likely used?

- A. DNS poisoning
- B. On-path
- C. IP spoofing
- D. Rogue DHCP

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 375

Topic #: 1

[\[All N10-008 Questions\]](#)

The following DHCP scope was configured for a new VLAN dedicated to a large deployment of 325 IoT sensors:

```
DHCP network scope:    10.10.0.0/24
Exclusion range:       10.10.10.1-10.10.10.10
Gateway:              10.10.0.1
DNS:                  10.10.0.2
DHCP option 66 (TFTP): 10.10.10.4
DHCP option 4 (NTP):  10.10.10.5
```

The first 244 IoT sensors were able to connect to the TFTP server, download the configuration file, and register to an IoT management system. The other sensors are being shown as offline. Which of the following should be performed to determine the MOST likely cause of the partial deployment of the sensors?

- A. Check the gateway connectivity to the TFTP server.
- B. Check the DHCP network scope.
- C. Check whether the NTP server is online.
- D. Check the IoT devices for a hardware failure.

Show Suggested Answer

Actual exam question from CompTIA's N10-008

Question #: 376

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician receives a report from the server team that a server's network connection is not working correctly. The server team confirms the server is operating correctly except for the network connection. The technician checks the switchport connected to the server and reviews the following data:

Metric	Value
Bytes input	441,164,698
Bytes output	2,625,115,257
Runts	0
CRCs	5,489
Collisions	1
MDIX	On
Speed	1,000
Duplex	Full

Which of the following should the network technician perform to correct the issue?

- A. Replace the Cat 5 patch cable with a Cat 6 cable.
- B. Install a crossover cable between the server and the switch.
- C. Reset the switchport configuration.
- D. Use NetFlow data from the switch to isolate the issue.
- E. Disable MDIX on the switchport and reboot the server.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 377

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be BEST to install to find and block any malicious users within a network?

- A. IDS
- B. IPS
- C. SCADA
- D. ICS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 378

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can be used to validate domain ownership by verifying the presence of pre-agreed content contained in a DNS record?

- A. SOA
- B. SRV
- C. AAA
- D. TXT

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 379

Topic #: 1

[\[All N10-008 Questions\]](#)

Network traffic is being compromised by DNS poisoning every time a company's router is connected to the internet. The network team detects a non-authorized DNS server being assigned to the network clients and remediates the incident by setting a trusted DNS server, but the issue occurs again after internet exposure. Which of the following best practices should be implemented on the router?

- A. Change the device's default password.
- B. Disable router advertisement guard.
- C. Activate control plane policing.
- D. Disable unneeded network services.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 380

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator installed a new data and VoIP network. Users are now experiencing poor call quality when making calls. Which of the following should the administrator do to increase VoIP performance?

- A. Configure a voice VLAN.
- B. Configure LACP on all VoIP phones.
- C. Configure PoE on the network.
- D. Configure jumbo frames on the network.

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 381

Topic #: 1

[\[All N10-008 Questions\]](#)

A Wi-Fi network was originally configured to be able to handle interference from a microwave oven. The microwave oven was recently removed from the office. Now the network administrator wants to optimize the system to maximize the range of the signal. The main sources of signal degradation are the numerous cubicles and wooden walls between the WAP and the intended destination. Which of the following actions should the administrator take?

- A. Implement CDMA.
- B. Change from omni to directional.
- C. Change the SSID.
- D. Change the frequency.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 382

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following issues are present with RIPv2? (Choose two.)

- A. Route poisoning
- B. Time to converge
- C. Scalability
- D. Unicast
- E. Adjacent neighbors
- F. Maximum transmission unit

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 383

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following protocols can be used to change device configurations via encrypted and authenticated sessions? (Choose two.)

- A. SNMPv3
- B. SSH
- C. Telnet
- D. IPSec
- E. ESP
- F. Syslog

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 384

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator wants to increase the availability of a server that is connected to the office network. Which of the following allows for multiple NICs to share a single IP address and offers maximum performance while providing fault tolerance in the event of a NIC failure?

- A. Multipathing
- B. Spanning Tree Protocol
- C. First Hop Redundancy Protocol
- D. Elasticity

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 385

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator has received calls every day for the past few weeks from three users who cannot access the network. The administrator asks all the users to reboot their PCs, but the same users still cannot access the system. The following day, three different users report the same issue, and the administrator asks them all to reboot their PCs; however, this does not fix the issue. Which of the following is MOST likely occurring?

- A. Incorrect firewall settings
- B. Inappropriate VLAN assignment
- C. Hardware failure
- D. Overloaded CAM table in switch
- E. DHCP scope exhaustion

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 386

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is investigating a network event that is causing all communication to stop. The network administrator is unable to use SSH to connect to the switch but is able to gain access using the serial console port. While monitoring port statistics, the administrator sees the following:

Total Rx (bps)	23,041,464	Total Tx (bps)	621,032
Unicast Rx (Pkts/sec)	102,465	Unicast Tx (Pkts/sec)	66
B/Mcast Rx (Pkts/sec)	21,456,465	B/Mcast Tx (Pkts/sec)	7
Utilization Rx	2.3%	Utilization Tx	0.06%

Which of the following is MOST likely causing the network outage?

- A. Duplicate IP address
- B. High collisions
- C. Asynchronous route
- D. Switch loop

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 387

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician recently installed 35 additional workstations. After installation, some users are unable to access network resources. Many of the original workstations that are experiencing the network access issue were offline when the new workstations were turned on. Which of the following is the MOST likely cause of this issue?

- A. Incorrect VLAN setting
- B. Insufficient DHCP scope
- C. Improper NIC setting
- D. Duplicate IP address

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 388

Topic #: 1

[\[All N10-008 Questions\]](#)

A WAN technician reviews activity and identifies newly installed hardware that is causing outages over an eight-hour period. Which of the following should be considered FIRST?

- A. Network performance baselines
- B. VLAN assignments
- C. Routing table
- D. Device configuration review

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 389

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would enable a network technician to implement dynamic routing?

- A. An IPS
- B. A bridge
- C. A Layer 3 switch
- D. A hub

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 390

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be BEST suited for a long cable run with a 40Gbps bandwidth?

- A. Cat 5e
- B. Cat 6a
- C. Cat 7
- D. Cat 8

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 391

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is a valid and cost-effective solution to connect a fiber cable into a network switch without available SFP ports?

- A. Use a media converter and a UTP cable
- B. Install an additional transceiver module and use GBICs
- C. Change the type of connector from SC to F-type
- D. Use a loopback adapter to make the connection

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 392

Topic #: 1

[\[All N10-008 Questions\]](#)

A network device needs to discover a server that can provide it with an IPv4 address. Which of the following does the device need to send the request to?

- A. Default gateway
- B. Broadcast address
- C. Unicast address
- D. Link local address

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 393

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is an example of on-demand scalable hardware that is typically housed in the vendor's data center?

- A. DaaS
- B. IaaS
- C. PaaS
- D. SaaS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 394

Topic #: 1

[\[All N10-008 Questions\]](#)

A network security engineer locates an unapproved wireless bridge connected to the corporate LAN that is broadcasting a hidden SSID, providing unauthenticated access to internal resources. Which of the following types of attacks BEST describes this finding?

- A. Rogue access point
- B. Evil twin
- C. ARP spoofing
- D. VLAN hopping

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 395

Topic #: 1

[\[All N10-008 Questions\]](#)

While setting up a new workstation, a technician discovers that the network connection is only 100 full duplex (FD), although it is connected to a gigabit switch.

While reviewing the interface information in the switch CLI, the technician notes the port is operating at 100FD but shows many RX and TX errors. The technician moves the computer to another switchport and experiences the same issues.

Which of the following is MOST likely the cause of the low data rate and port errors?

- A. Bad switchports
- B. Faulty drivers
- C. Cable length
- D. Incorrect pin-out

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 396

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is contracted to install a redundant cluster of devices from the ISP in case of hardware failure within the network. Which of the following would provide BEST redundant solution in Layer 2 devices?

- A. Multiple routers
- B. Multiple switches
- C. Multiple firewalls
- D. Multiple bridges

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 397

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following documents is MOST likely to be associated with identifying and documenting critical applications?

- A. Software development life-cycle policy
- B. User acceptance testing plan
- C. Change management policy
- D. Business continuity plan

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 398

Topic #: 1

[\[All N10-008 Questions\]](#)

A security vendor needs to add a note to the DNS to validate the ownership of a company domain before services begin. Which of the following records did the security company MOST likely ask the company to configure?

- A. TXT
- B. AAAA
- C. CNAME
- D. SRV

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 399

Topic #: 1

[\[All N10-008 Questions\]](#)

A client who shares office space and an IT closet with another company recently reported connectivity issues throughout the network. Multiple third-party vendors regularly perform on-site maintenance in the shared IT closet. Which of the following security techniques would BEST secure the physical networking equipment?

- A. Disabling unneeded switchports
- B. Implementing role-based access
- C. Enable logging
- D. Configuring an access control list

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 400

Topic #: 1

[\[All N10-008 Questions\]](#)

A help desk engineer needs to configure two servers to have the same public IP addresses. Which of the following technologies should the engineer use?

- A. NAT
- B. VIP
- C. DNS caching
- D. RFC 1918
- E. SDWAN

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 401

Topic #: 1

[\[All N10-008 Questions\]](#)

A switch is connected to another switch. Incompatible hardware causes a surge in traffic on both switches. Which of the following configurations will cause traffic to pause, allowing the switches to drain buffers?

- A. Speed
- B. Flow control
- C. 802.1Q
- D. Duplex

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 402

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following records can be used to track the number of changes on a DNS zone?

- A. SOA
- B. SRV
- C. PTR
- D. NS

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 403

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is investigating a performance issue on a dual-link connection – VPN and MPLS – to a partner network. The MPLS is the primary path, and the VPN is used as a backup. While communicating, the delay is measured at 18ms, which is higher than the 6ms expected when the MPLS link is operational but lower than the 30ms expected for the VPN connection. Which of the following will MOST likely point to the root cause of the issue?

- A. Checking the routing tables on both sides to ensure there is no asymmetric routing
- B. Checking on the partner network for a missing route pointing to the VPN connection
- C. Running iPerf on both sides to confirm the delay that is measured is accurate
- D. Checking for an incorrect VLAN assignment affecting the MPLS traffic

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 404

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is a requirement when certifying a network cabling as Cat 7?

- A. Ensure the patch panel is certified for the same category.
- B. Limit 10Gb transmissions to 180ft (55m).
- C. Use F-type connectors on the network terminations.
- D. Ensure the termination standard is TIA/EIA-568-A.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 405

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following architectures is used for FTP?

- A. Client-server
- B. Service-oriented
- C. Connection-oriented
- D. Data-centric

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 406

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following bandwidth management techniques uses buffers at the client side to prevent TCP retransmissions from occurring when the ISP starts to drop packets of specific types that exceed the agreed traffic rate?

- A. Traffic shaping
- B. Traffic policing
- C. Traffic marking
- D. Traffic prioritization

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 407

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer needs to verify the external record for SMTP traffic. The engineer logged in to the server and entered the nslookup command. Which of the following commands should the engineer send before entering the DNS name?

- A. set type=A
- B. ls -d company.mail.com
- C. set domain=company.mail.com
- D. set querytype=MX

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 408

Topic #: 1

[\[All N10-008 Questions\]](#)

A security engineer is trying to determine whether an internal server was accessed by hosts on the internet. The internal server was shut down during the investigation. Which of the following will the engineer review to determine whether the internal server had an unauthorized access attempt?

- A. The ARP table
- B. The NetFlow statistics
- C. The firewall logs
- D. The audit logs on the core switch

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 409

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is reviewing ways to cut the overall cost of its IT budget. A network technician suggests removing various computer programs from the IT budget and only providing these programs on an as-needed basis. Which of the following models would meet this requirement?

- A. Multitenancy
- B. IaaS
- C. SaaS
- D. VPN

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 410

Topic #: 1

[\[All N10-008 Questions\]](#)

An IP address is maintained despite a failing UPS that causes a workstation to restart several times. Which of the following would allow this to occur?

- A. DHCP reservation
- B. DHCP scope
- C. Name server
- D. Root DNS server

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 411

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator wants to control new router deployments via the use of application programming interfaces (APIs). This would be an example of:

- A. software-defined networking.
- B. a three-tiered architecture.
- C. collapsed backbone.
- D. top-of-rack switching.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 412

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is equipped with a tablet, a smartphone, and a laptop to troubleshoot a switch with the help of support over the phone. However, the technician is having issues interconnecting all these tools in troubleshooting the switch. Which of the following should the technician use to gain connectivity?

- A. PAN
- B. WAN
- C. LAN
- D. MAN

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 413

Topic #: 1

[\[All N10-008 Questions\]](#)

Users within a corporate network need to connect to the internet, but corporate network policy does not allow direct connections. Which of the following is MOST likely to be used?

- A. Proxy server
- B. VPN client
- C. Bridge
- D. VLAN

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 414

Topic #: 1

[\[All N10-008 Questions\]](#)

A network is secured and is only accessible via TLS and IPsec VPNs. Which of the following would need to be present to allow a user to access network resources on a laptop without logging in to the VPN application?

- A. Site-to-site
- B. Secure Shell
- C. In-band management
- D. Remote desktop connection

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 415

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is checking network devices to look for opportunities to improve security. Which of the following tools would BEST accomplish this task?

- A. Wi-Fi analyzer
- B. Protocol analyzer
- C. Nmap
- D. IP scanner

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 416

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following describes when an active exploit is used to gain access to a network?

- A. Penetration testing
- B. Vulnerability testing
- C. Risk assessment
- D. Posture assessment
- E. Baseline testing

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 417

Topic #: 1

[\[All N10-008 Questions\]](#)

A homeowner frequently has guests visit and would like to install a wireless router for their personal devices. The homeowner wants to ensure that the wireless router is compatible with the widest range of devices possible. Which of the following standards should a technician suggest?

- A. 802.11ac
- B. 802.11b
- C. 802.11g
- D. 802.11n

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 418

Topic #: 1

[\[All N10-008 Questions\]](#)

A GRE tunnel has been configured between two remote sites. Which of the following features, when configured, ensures the GRE overhead does not affect payload?

- A. Jumbo frames
- B. Auto medium-dependent interface
- C. Interface crossover
- D. Collision detection

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 419

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following attacks MOST likely utilizes a botnet to disrupt traffic?

- A. DDoS
- B. Deauthentication
- C. Social engineering
- D. Ransomware
- E. DNS poisoning

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 420

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is looking at switch features and is unsure whether to purchase a model with PoE. Which of the following devices that commonly utilize PoE should the administrator consider? (Choose two.)

- A. VoIP phones
- B. Cameras
- C. Printers
- D. Cable modems
- E. Laptops
- F. UPSs

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 421

Topic #: 1

[\[All N10-008 Questions\]](#)

All packets arriving at an interface need to be fully analyzed. Which of the following features should be used to enable monitoring of the packets?

- A. LACP
- B. Flow control
- C. Port mirroring
- D. NetFlow exporter

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 422

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following record types would be used to define where SIP is found?

- A. SRV
- B. CNAME
- C. A
- D. MX

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 423

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is an advanced distance vector routing protocol that automates routing tables and also uses some features of link-state routing protocols?

- A. OSPF
- B. RIP
- C. EIGRP
- D. BGP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 424

Topic #: 1

[\[All N10-008 Questions\]](#)

A network resource was accessed by an outsider as a result of a successful phishing campaign. Which of the following strategies should be employed to mitigate the effects of phishing?

- A. Multifactor authentication
- B. Single sign-on
- C. RADIUS
- D. VPN

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 425

Topic #: 1

[\[All N10-008 Questions\]](#)

A PC user who is on a local network reports very slow speeds when accessing files on the network server. The user's PC is connecting, but file downloads are very slow when compared to other users' download speeds. The PC's NIC should be capable of Gigabit Ethernet. Which of the following will MOST likely fix the issue?

- A. Releasing and renewing the PC's IP address
- B. Replacing the patch cable
- C. Reseating the NIC inside the PC
- D. Flushing the DNS cache

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 426

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is configuring logging on an edge switch. The requirements are to log each time a switch port goes up or down. Which of the following logging levels will provide this information?

- A. Warnings
- B. Notifications
- C. Alert
- D. Errors

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 427

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator is setting up a multicast server on a network, but the firewall seems to be dropping the traffic. After logging in to the device, the administrator sees the following entries:

Rule	Action	Source	Destination	Port
1	Deny	Any	172.30.10.50	Any
2	Deny	Any	232.1.4.9	Any
3	Deny	Any	242.9.15.4	Any
4	Deny	Any	175.50.10.10	Any

Which of the following firewall rules is MOST likely causing the issue?

- A. Rule 1
- B. Rule 2
- C. Rule 3
- D. Rule 4

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 428

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be the MOST likely attack used to bypass an access control vestibule?

- A. Tailgating
- B. Phishing
- C. Evil twin
- D. Brute-force

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 429

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is considering shifting its business to the cloud. The management team is concerned about the availability of the third-party cloud service. Which of the following should the management team consult to determine the promised availability of the cloud provider?

- A. Memorandum of understanding
- B. Business continuity plan
- C. Disaster recovery plan
- D. Service-level agreement

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 430

Topic #: 1

[\[All N10-008 Questions\]](#)

A new company recently moved into an empty office space. Within days, users in the next office began noticing increased latency and packet drops with their Wi-Fi-connected devices. Which of the following is the MOST likely reason for this issue?

- A. Channel overlap
- B. Distance from the AP
- C. Bandwidth latency
- D. Disabled WPS
- E. Network congestion

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 431

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is designing a SAN and would like to use STP as its medium for communication. Which of the following protocols would BEST suit the company's needs?

- A. SFTP
- B. Fibre Channel
- C. iSCSI
- D. FTP

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 432

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician notices that equipment is being moved around and misplaced in the server room, even though the room has locked doors and cabinets. Which of the following would be the BEST solution to identify who is responsible?

- A. Install motion detection.
- B. Install cameras.
- C. Install tamper detection.
- D. Hire a security guard.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 433

Topic #: 1

[\[All N10-008 Questions\]](#)

A computer engineer needs to ensure that only a specific workstation can connect to port 1 on a switch. Which of the following features should the engineer configure on the switch interface?

- A. Port tagging
- B. Port security
- C. Port mirroring
- D. Port aggregation

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 434

Topic #: 1

[\[All N10-008 Questions\]](#)

A cafeteria is facing lawsuits related to criminal internet access that was made over its guest network. The marketing team, however, insists on keeping the cafeteria's phone number as the wireless passphrase. Which of the following actions would improve wireless security while accommodating the marketing team and accepting the terms of use?

- A. Setting WLAN security to use EAP-TLS
- B. Deploying a captive portal for user authentication
- C. Using geofencing to limit the area covered by the WLAN
- D. Configuring guest network isolation

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 435

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator would like to have two servers at different geographical locations provide fault tolerance and high performance while appearing as one URL to users. Which of the following should the administrator implement?

- A. Load balancing
- B. Multipathing
- C. NIC teaming
- D. Warm site

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 436

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT technician successfully connects to the corporate wireless network at a bank. While performing some tests, the technician observes that the physical address of the DHCP server has changed even though the network connection has not been lost. Which of the following would BEST explain this change?

- A. Server upgrade
- B. Duplicate IP address
- C. Scope exhaustion
- D. Rogue server

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 437

Topic #: 1

[\[All N10-008 Questions\]](#)

An ISP is providing internet to a retail store and has terminated its point of connection using a standard Cat 6 pin-out. Which of the following terminations should the technician use when running a cable from the ISP's port to the front desk?

- A. F-type connector
- B. TIA/EIA-568-B
- C. LC
- D. SC

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 438

Topic #: 1

[\[All N10-008 Questions\]](#)

A company needs to virtualize a replica of its internal physical network without changing the logical topology and the way that devices behave and are managed. Which of the following technologies meets this requirement?

- A. NVF
- B. SDWAN
- C. VIP
- D. MPLS

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 439

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician needs to ensure the company's external mail server can pass reverse lookup checks. Which of the following records would the technician MOST likely configure?

- A. PTR
- B. AAAA
- C. SPF
- D. CNAME

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 440

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator views a network pcap and sees a packet containing the following:

```
community: public  
request-id: 13438  
get-response 1.3.6.1.2.1.1.3.0 Value:206801150
```

Which of the following are the BEST ways for the administrator to secure this type of traffic? (Choose two.)

- A. Migrate the network to IPv6.
- B. Implement 802.1 X authentication.
- C. Set a private community string.
- D. Use SNMPv3.
- E. Incorporate SSL encryption.
- F. Utilize IPSec tunneling.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 441

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is troubleshooting a network issue for employees who have reported issues with speed when accessing a server in another subnet. The server is in another building that is 410ft (125m) away from the employees' building. The 10GBASE-T connection between the two buildings uses Cat 5e. Which of the following BEST explains the speed issue?

- A. The connection type is not rated for that distance.
- B. A broadcast storm is occurring on the subnet.
- C. The cable run has interference on it.
- D. The connection should be made using a Cat 6 cable.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 442

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is a security flaw in an application or network?

- A. A threat
- B. A vulnerability
- C. An exploit
- D. A risk

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 443

Topic #: 1

[\[All N10-008 Questions\]](#)

An administrator is investigating reports of network slowness in a building. While looking at the uplink interface statistics in the switch's CLI, the administrator discovers the uplink is at 100% utilization. However, the administrator is unsure how to identify what traffic is causing the saturation. Which of the following tools should the administrator utilize to identify the source and destination addresses of the traffic?

- A. SNMP
- B. Traps
- C. Syslog
- D. NetFlow

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 444

Topic #: 1

[\[All N10-008 Questions\]](#)

Two new network switches located in different buildings are connected together with single-mode fiber. However, no link exists between the two switches. Which of the following steps should the technician perform FIRST to troubleshoot the issue?

- A. Reverse TX/RX on the fiber patch cord at one building.
- B. Replace the fiber patch cords in both buildings.
- C. Clean the fiber patch cord connectors in both buildings.
- D. Connect the fiber patch cord to an OTDR at one building.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 445

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following OSI model layers would allow a user to access and download files from a remote computer?

- A. Session
- B. Presentation
- C. Network
- D. Application

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 446

Topic #: 1

[\[All N10-008 Questions\]](#)

A new office space is being designed. The network switches are up, but no services are running yet. A network engineer plugs in a laptop configured as a DHCP client to a switch. Which of the following IP addresses should be assigned to the laptop?

- A. 10.1.1.1
- B. 169.254.1.128
- C. 172.16.128.128
- D. 192.168.0.1

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 447

Topic #: 1

[\[All N10-008 Questions\]](#)

An organization requires the ability to send encrypted email messages to a partner from an email server that is hosted on premises. The organization prefers to use the standard default ports when creating firewall rules. Which of the following ports should be open to satisfy the requirements?

- A. 110
- B. 143
- C. 587
- D. 636

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 448

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following BEST describes a split-tunnel client-to-server VPN connection?

- A. The client sends all network traffic down the VPN tunnel.
- B. The client has two different IP addresses that can be connected to a remote site from two different ISPs to ensure availability.
- C. The client sends some network traffic down the VPN tunnel and other traffic to the local gateway.
- D. The client connects to multiple remote sites at the same time.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 449

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the MOST secure connection used to inspect and provide controlled internet access when remote employees are connected to the corporate network?

- A. Site-to-site VPN
- B. Full-tunnel VPN
- C. Split-tunnel VPN
- D. SSH

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 450

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer is troubleshooting poor performance on the network that occurs during work hours. Which of the following should the engineer do to improve performance?

- A. Replace the patch cables.
- B. Create link aggregation.
- C. Create separation rules on the firewall.
- D. Create subinterfaces on the existing port.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 451

Topic #: 1

[\[All N10-008 Questions\]](#)

A customer reports there is no access to resources following the replacement of switches. A technician goes to the site to examine the configuration and discovers redundant links between two switches. Which of the following is the reason the network is not functional?

- A. The ARP cache has become corrupt.
- B. CSMA/CD protocols have failed.
- C. STP is not configured.
- D. The switches are incompatible models.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 452

Topic #: 1

[\[All N10-008 Questions\]](#)

Users are reporting poor wireless performance in some areas of an industrial plant. The wireless controller is measuring a low EIRP value compared to the recommendations noted on the most recent site survey. Which of the following should be verified or replaced for the EIRP value to meet the site survey's specifications? (Choose two.)

- A. AP transmit power
- B. Channel utilization
- C. Signal loss
- D. Update ARP tables
- E. Antenna gain
- F. AP association time

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 453

Topic #: 1

[\[All N10-008 Questions\]](#)

A coffee shop owner hired a network consultant to provide recommendations for installing a new wireless network. The coffee shop customers expect high speeds even when the network is congested. Which of the following standards should the consultant recommend?

- A. 802.11ac
- B. 802.11ax
- C. 802.11g
- D. 802.11n

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 454

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is hired to review all the devices within a network and make recommendations to improve network efficiency. Which of the following should the technician do FIRST before reviewing and making any recommendations?

- A. Capture a network baseline.
- B. Perform an environmental review.
- C. Read the network logs.
- D. Run a bandwidth test.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 455

Topic #: 1

[\[All N10-008 Questions\]](#)

A company has multiple offices around the world. The computer rooms in some office locations are too warm. Dedicated sensors are in each room, but the process of checking each sensor takes a long time. Which of the following options can the company put in place to automate temperature readings with internal resources?

- A. Implement NetFlow.
- B. Hire a programmer to write a script to perform the checks.
- C. Utilize ping to measure the response.
- D. Use SNMP with an existing collector server.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 456

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following architectures reduces network latency by enforcing a limit on the number of switching devices on the frame's path between any internal hosts?

- A. Spine and leaf
- B. Software-defined network
- C. Three-tiered
- D. Collapsed core

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 457

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is decommissioning a server. Which of the following will the network administrator MOST likely consult?

- A. Onboarding and offboarding policies
- B. Business continuity plan
- C. Password requirements
- D. Change management documentation

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 458

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is investigating an issue with connectivity at customer's location. The technician confirms that users can access resources locally but not over the internet. The technician theorizes that the local router has failed and investigates further. The technician's testing results show that the router is functional; however, users still are unable to reach resources on the internet. Which of the following describes what the technician should do NEXT?

- A. Document the lessons learned.
- B. Escalate the issue.
- C. Identify the symptoms.
- D. Question users for additional information.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 459

Topic #: 1

[\[All N10-008 Questions\]](#)

On a network with redundant switches, a network administrator replaced one of the switches but was unable to get a connection with another switch. Which of the following should the administrator check after successfully testing the cable that was wired for TIA/EIA-568A on both ends?

- A. If MDIX is enabled on the new switch
- B. If PoE is enabled
- C. If a plenum cable is being used
- D. If STP is disabled on the switches

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 460

Topic #: 1

[\[All N10-008 Questions\]](#)

The lack of a formal process to grant network permissions to different profiles of employees and contractors is leading to an increasing number of security incidents. Non-uniform and overly permissive network accesses are being granted. Which of the following would be the MOST appropriate method to improve the security of the environment?

- A. Change the default permissions to implicit deny.
- B. Configure uniform ACLs to employees and NAC for contractors.
- C. Deploy an RDP server to centralize the access to the network.
- D. Implement role-based access control.

Show Suggested Answer



Actual exam question from CompTIA's N10-008
 Question #: 461
 Topic #: 1
[\[All N10-008 Questions\]](#)

HOTSPOT

A network technician needs to resolve some issues with a customer's SOHO network. The customer reports that some of the PCs are not connecting to the network, while others appear to be working as intended.

INSTRUCTIONS

- Troubleshoot all the network components.
- Review the cable test results first, then diagnose by clicking on the appropriate PC, server, and Layer 2 switch.
- Identify any components with a problem and recommend a solution to correct each problem.
- If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Cable Test Results

Switch 1	Length : 16M	Port : GigabitEthernet0/5	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server	Connected to Switch 2		
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 16M	Port : GigabitEthernet0/5	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server	Connected to Switch 1		
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 22M	Port : GigabitEthernet0/1	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 42M	Port : GigabitEthernet0/2	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 12M	Port : GigabitEthernet0/1	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 20M	Port : GigabitEthernet0/2	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

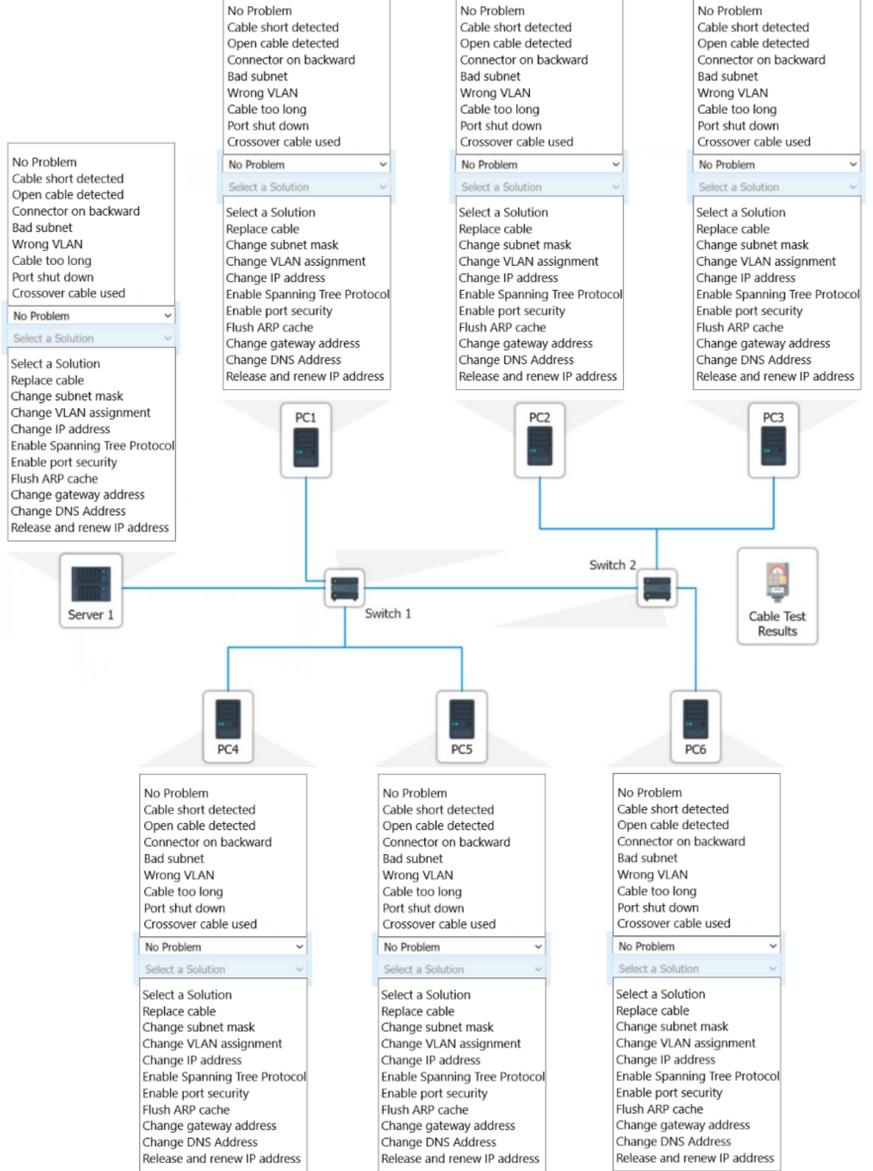
Switch 1	Length : 18M	Port : GigabitEthernet0/3	
Switch 2	VLAN : VLAN 11	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 33M	Port : GigabitEthernet0/4	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			

Cable Test Results

Switch 1	Length : 90M	Port : GigabitEthernet0/3	
Switch 2	VLAN : VLAN 10	Speed : 1000 FDX	
Server			
PC1			
PC2			
PC3			
PC4			
PC5			
PC6			



Actual exam question from CompTIA's N10-008

Question #: 462

Topic #: 1

[\[All N10-008 Questions\]](#)

HOTSPOT

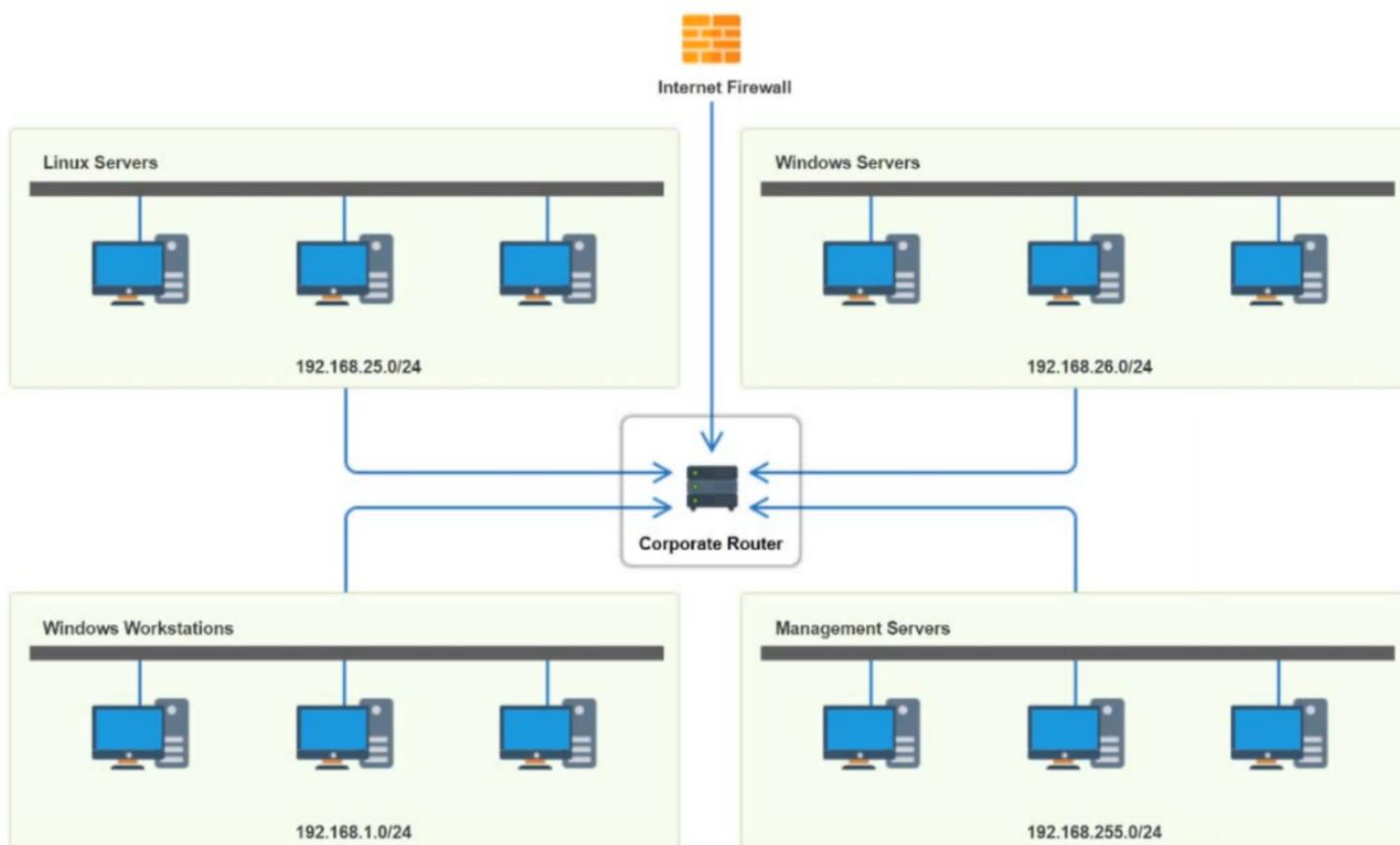
You have been tasked with implementing an ACL on the router that will:

1. Permit the most commonly used secure remote access technologies from the management network to all other local network segments.
2. Ensure the user subnet cannot use the most commonly used remote access technologies in the Linux and Windows Server segments.
3. Prohibit any traffic that has not been specifically allowed.

INSTRUCTIONS

Use the drop-downs to complete the ACL.

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



Router Access Control List					
Rule	Source	Destination	Protocol	Service	Action
1	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
2	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
3	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
4	192.168.255.0	192.168.26.0	TCP	SMB	Allow
5	192.168.255.0	Any	Any	Any	Deny
6	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
7	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	TCP	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny
8	192.168.1.0	Any	Any	Any	Allow
9	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	192.168.1.0 192.168.25.0 192.168.255.0 192.168.26.0 Any	Any	SSH Telnet HTTP RDP VNC SMB Any	Allow Deny

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 463

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following types of planes propagates routing information in an SDWAN solution?

- A. Orchestration plane
- B. Management plane
- C. Control plane
- D. Data plane

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 464

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is running new Cat 5e cables to a server room. Which of the following tools should the technician use to terminate the cables at the patch panel?

- A. Multimeter
- B. Cable crimper
- C. Toner probe
- D. Punchdown tool

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 465

Topic #: 1

[\[All N10-008 Questions\]](#)

A disaster recovery team needs a solution that would best meet the following requirements:

- The server infrastructure has been pre-installed
- The fail-over location offers basic life support.
- The fail-over location provides basic network connectivity.
- Minimizing cost is preferred over quicker business recovery times
- The expected time for services to be fully operational is days.

Which of the following sites would meet the requirements?

- A. Cold site
- B. Cloud site
- C. Warm site
- D. Hot site

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 466

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician troubleshoots a computer that has intermittent network connectivity and notices the termination point is loose. The technician also observes that the patch cable has already been replaced.

Which of the following should the technician do NEXT?

- A. Use a tone generator to trace the cable
- B. Use a multimeter to determine if PoE is available on the switchport
- C. Use a cable crimper to replace the RJ45 connector on the patch cable
- D. Use a punchdown tool to reseat the copper in the wall jack

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 467

Topic #: 1

[\[All N10-008 Questions\]](#)

A company wants to invest in new hardware for the core network infrastructure. The management team requires that the infrastructure be capable of being repaired in less than 60 minutes if any major part fails. Which of the following metrics is MOST likely associated with this requirement?

- A. RPO
- B. MTTR
- C. FHRP
- D. MTBF

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 468

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following devices and encapsulations are found at the data link layer? (Choose two.)

- A. Session
- B. Frame
- C. Firewall
- D. Switch
- E. Packet
- F. Router

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 469

Topic #: 1

[\[All N10-008 Questions\]](#)

After rebooting an AP, a user is no longer able to connect to the enterprise LAN. A technician plugs a laptop in to the same network jack and receives the IP 169.254.0.200. Which of the following is MOST likely causing the issue?

- A. DHCP scope exhaustion
- B. Signal attenuation
- C. Channel overlap
- D. Improper DNS configuration

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 470

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is concerned about a rainbow table being used to help access network resources. Which of the following must be addressed to reduce the likelihood of a rainbow table being effective?

- A. Password policy
- B. Remote access policy
- C. Acceptable use policy
- D. Data loss prevention policy

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 471

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following describes the ability of a corporate IT department to expand its cloud-hosted VM environment with minimal effort?

- A. Scalability
- B. Load balancing
- C. Multitenancy
- D. Geo-redundancy

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 472

Topic #: 1

[\[All N10-008 Questions\]](#)

A user from a remote office is reporting slow file transfers. Which of the following tools will an engineer MOST likely use to get detailed measurement data?

- A. Packet capture
- B. iPerf
- C. SIEM log review
- D. Internet speed test

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 473

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can be used to decrease latency during periods of high utilization of a firewall?

- A. Hot site
- B. Content inspection
- C. HA pair
- D. VRRP

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 474

Topic #: 1

[\[All N10-008 Questions\]](#)

A customer calls the help desk to report that a Windows PC is unable to open any websites or access any server shares. The help desk technician suspects there is an issue with the configuration. Which of the following commands should the technician issue FIRST to troubleshoot the issue?

- A. tracert
- B. netstat
- C. arp
- D. ipconfig
- E. nmap

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 475

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician needs to select an AP that will support at least 1.3Gbps and 5GHz only. Which of the following wireless standards must the AP support to meet the requirements?

- A. B
- B. AC
- C. AX
- D. N
- E. G

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 476

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following devices would be used to extend the range of a wireless network?

- A. A repeater
- B. A media converter
- C. A router
- D. A switch

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 477

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following redundant devices creates broadcast storms when connected together on a high-availability network?

- A. Switches
- B. Routers
- C. Access points
- D. Servers

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 478

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is investigating a misconfiguration on a Layer 3 switch. When the technician logs in and runs a command, the following data is shown:

10.10.0.2/24	via 10.10.0.1	FastEthernet1/2
172.16.10.0/24	via 172.16.10.1	FastEthernet1/3
192.168.100.0/24	via 192.168.100.1	Serial0/0
192.168.50.0/24	via 192.168.50.1	Serial0/1

Which of the following commands generated this output?

- A. show route
- B. show config
- C. show interface
- D. tcpdump
- E. netstat -s

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 479

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT technician is working on a support ticket regarding an unreachable website. The technician has utilized the ping command to the website, but the site is still unreachable. Which of the following tools should the technician use NEXT?

- A. ipconfig
- B. tracert
- C. arp
- D. netstat

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 480

Topic #: 1

[\[All N10-008 Questions\]](#)

An ISP configured an internet connection to provide 20Mbps, but actual data rates are occurring at 10Mbps and causing a significant delay in data transmission. Which of the following specifications should the ISP check?

- A. Throughput
- B. Latency
- C. Bandwidth
- D. Jitter

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 481

Topic #: 1

[\[All N10-008 Questions\]](#)

An application team is deploying a new application. The application team would like the network team to monitor network performance and create alerts if fluctuations in the round-trip time occur for that traffic. Which of the following should the network team monitor to meet this requirement?

- A. Bandwidth
- B. Latency
- C. Loss
- D. Cyclic redundancy check

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 482

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is configuring Neighbor Discovery Protocol in an IPv6 network to ensure an attacker cannot spoof link-layer addresses of network devices. Which of the following should the administrator implement?

- A. MAC filtering
- B. Router Advertisement Guard
- C. Port security
- D. DNSSEC

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 483

Topic #: 1

[\[All N10-008 Questions\]](#)

A network architect is developing documentation for an upcoming IPv4/IPv6 dual-stack implementation. The architect wants to shorten the following IPv6 address: ef82:0000:0000:0000:1ab1:1234:1bc2. Which of the following is the MOST appropriate shortened version?

- A. ef82:0:1ab1:1234:1bc2
- B. ef82:0::1ab1:1234:1bc2
- C. ef82:0:0:0:0:1ab1:1234:1bc2
- D. ef82::1ab1:1234:1bc2

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 484

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following default ports is MOST likely used to send availability and environmental messages about specific devices across the network?

- A. 23
- B. 53
- C. 389
- D. 514
- E. 3306

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 485

Topic #: 1

[\[All N10-008 Questions\]](#)

A newly installed multifunction copier needs to be set up so scanned documents can be emailed to recipients. Which of the following ports from the copier's IP address should be allowed?

- A. 22
- B. 25
- C. 53
- D. 80

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 486

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following has the capability to centrally manage configuration, logging, and firmware versioning for distributed devices?

- A. WLAN controller
- B. Load balancer
- C. SIEM solution
- D. Syslog server

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 487

Topic #: 1

[\[All N10-008 Questions\]](#)

A PC and a network connectivity, and a help desk technician is attempting to resolve the issue. The technician plans to run a constant ping command from a Windows workstation while testing various possible reasons for the connectivity issue. Which of the following should the technician use?

- A. ping -w
- B. ping -i
- C. ping -s
- D. ping -t

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 488

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following is the MOST effective security control to keep a company's physical perimeter protected against intrusions leveraged by social-engineering techniques?

- A. Employee training
- B. Biometric lockers
- C. Access control vestibule
- D. Motion detection

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 489

Topic #: 1

[\[All N10-008 Questions\]](#)

A customer called the help desk to report a network issue. The customer recently added a hub between the switch and the router in order to duplicate the traffic flow to a logging device. After adding the hub, all the other network components that were connected to the switch slowed more than expected. Which of the following is the MOST likely cause of the issue?

- A. Duplex mismatch
- B. Flow control failure
- C. STP malfunction
- D. 802.1Q disabled

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 490

Topic #: 1

[\[All N10-008 Questions\]](#)

A fiber patch cable, which was being stored in an unsecure telecommunications closet with janitorial supplies, was damaged and caused an outage. A network technician replaced the broken cable with a new cable from a sealed bag. However, this solution did not resolve the outage. Which of the following is the MOST likely explanation?

- A. Incorrect pinout
- B. Incorrect transceivers
- C. Reversed transmit and receive
- D. Dirty optical cables

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 491

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer is gathering data to determine the effectiveness of UPSs in use at remote retail locations. Which of the following statistics can the engineer use to determine the availability of the remote network equipment?

- A. Uptime
- B. NetFlow baseline
- C. Review TTL stats
- D. Interface statistics

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 492

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician uses a badge to enter a security checkpoint on a corporate campus. An unknown individual quickly walks in behind the technician without speaking. Which of the following types of attacks did the technician experience?

- A. Tailgating
- B. Evil twin
- C. On-path
- D. Piggybacking

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 493

Topic #: 1

[\[All N10-008 Questions\]](#)

A company is opening a new building on the other side of its campus. The distance from the closest building to the new building is 1,804ft (550m). The company needs to connect the networking equipment in the new building to the other buildings on the campus without using a repeater. Which of the following transceivers should the company use?

- A. 10GBASE-SW
- B. 10GBASE-LR
- C. 10GBASE-LX4 over multimode fiber
- D. 10GBASE-SR

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 494

Topic #: 1

[\[All N10-008 Questions\]](#)

An AP uses a 98ft (30m) Cat 6 cable to connect to an access switch. The cable is wired through a duct close to a three-phase motor installation. Anytime the three-phase is turned on, all users connected to the switch experience high latency on the network. Which of the following is MOST likely the cause of the issue?

- A. Interference
- B. Attenuation
- C. Open circuit
- D. Short circuit

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 495

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT technician installs five old switches in a network. In addition to the low port rates on these switches, they also have improper network configurations. After three hours, the network becomes overwhelmed by continuous traffic and eventually shuts down. Which of the following is causing the issue?

- A. Broadcast storm
- B. Collisions
- C. IP settings
- D. Routing loops

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 496

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer is designing a network topology for a company that maintains a large on-premises private cloud. A design requirement mandates internet-facing hosts to be partitioned off from the internal LAN and internal server IP ranges. Which of the following defense strategies helps meet this requirement?

- A. Implementing a screened subnet
- B. Deploying a honeypot
- C. Utilizing network access control
- D. Enforcing a Zero Trust model

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 497

Topic #: 1

[\[All N10-008 Questions\]](#)

Many IP security cameras use RTSP to control media playback. Which of the following default transport layer port numbers does RTSP use?

- A. 445
- B. 554
- C. 587
- D. 5060

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 498

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be increased by adding encryption to data communication across the network?

- A. Availability
- B. Integrity
- C. Accountability
- D. Confidentiality

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 499

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is working at a new office location and needs to connect one laptop to another to transfer files. The laptops are newer models and do not have Ethernet ports. Access points are not available either. Which of the following types of wireless network SSIDs does the network technician need to configure to be able to connect the laptops together?

- A. Independent Basic Service Set
- B. Extended Service Set
- C. Distribution System Service
- D. Basic Service Set

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 500

Topic #: 1

[\[All N10-008 Questions\]](#)

An organization would like to implement a disaster recovery strategy that does not require a facility agreement or idle hardware. Which of the following strategies MOST likely meets the organization's requirements?

- A. Cloud site
- B. Cold site
- C. Warm site
- D. Hot site

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 501

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is investigating reports about network performance and finds high utilization on a switch uplink. The administrator is unsure whether this is an anomaly or normal behavior that will require an upgrade to resolve. Which of the following should the administrator reference to gain historical perspective?

- A. Device configuration review
- B. ARP table export
- C. Service-level agreement
- D. Network performance baseline

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 502

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is troubleshooting a client's device that cannot connect to the network. A physical inspection of the switch shows the RJ45 is connected. The NIC shows no activity lights. The network administrator moves the device to another location and connects to the network without issues. Which of the following tools would be the BEST option for the network administrator to use to further troubleshoot?

- A. Tone generator
- B. Multimeter
- C. Optical time-domain reflectometer
- D. Cable tester

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 503

Topic #: 1

[\[All N10-008 Questions\]](#)

A non-employee was able to enter a server room. Which of the following could have prevented this from happening?

- A. A security camera
- B. A biometric reader
- C. OTP key fob
- D. Employee training

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 504

Topic #: 1

[\[All N10-008 Questions\]](#)

A large number of PCs are obtaining an APIPA IP address, and a number of new computers were added to the network. Which of the following is MOST likely causing the PCs to obtain an APIPA address?

- A. Rogue DHCP server
- B. Network collision
- C. Incorrect DNS settings
- D. DHCP scope exhaustion

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 505

Topic #: 1

[\[All N10-008 Questions\]](#)

An engineer is using a tool to run an ICMP sweep of a network to find devices that are online. When reviewing the results, the engineer notices a number of workstations that are currently verified as being online are not listed in the report.

The tool was configured to scan using the following information:

Network address: 172.28.16.0 -

CIDR: /22 -

The engineer collected the following information from the client workstation:

IP address: 172.28.17.206 -

Subnet mask: 255.255.252.0 -

Which of the following MOST likely explains why the tool is failing to detect some workstations?

- A. The scanned network range is incorrect.
- B. The subnet mask on the client is misconfigured.
- C. The workstation has a firewall enabled.
- D. The tool is unable to scan remote networks.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 506

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following can be used to limit the ability of devices to perform only HTTPS connections to an internet update server without exposing the devices to the public internet?

- A. Allow connections only to an internal proxy server.
- B. Deploy an IDS system and place it in line with the traffic.
- C. Create a screened network and move the devices to it.
- D. Use a host-based network firewall on each device.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 507

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator notices excessive wireless traffic occurring on an access point after normal business hours. The access point is located on an exterior wall. Which of the following should the administrator do to limit wireless access outside the building?

- A. Set up a private VLAN.
- B. Disable roaming on the WAP.
- C. Change to a directional antenna.
- D. Stop broadcasting of the SSID.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 508

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician thinks one of the router ports is flapping. Which of the following available resources should the technician use in order to determine if the router is flapping?

- A. Audit logs
- B. NetFlow
- C. Syslog
- D. Traffic logs

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 509

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following layers is where TCP/IP port numbers identify which network application is receiving the packet and where it is applied?

- A. 3
- B. 4
- C. 5
- D. 6
- E. 7

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 510

Topic #: 1

[\[All N10-008 Questions\]](#)

A user reports that a crucial fileshare is unreachable following a network upgrade that was completed the night before. A network technician confirms the problem exists. Which of the following troubleshooting steps should the network technician perform NEXT?

- A. Establish a theory of probable cause.
- B. Implement a solution to fix the problem.
- C. Create a plan of action to resolve the problem.
- D. Document the problem and the solution.

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 511

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is designing a wireless network that has the following requirements:

- Network speed must be higher than 100Mbps
- Must use the 2.4GHz and 5GHz bands

Which of the following 802.11 standards should the engineer select?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 512

Topic #: 1

[\[All N10-008 Questions\]](#)

A network engineer is investigating reports of poor performance on a videoconferencing application. Upon reviewing the report, the engineer finds that available bandwidth at the WAN connection is low. Which of the following is the MOST appropriate mechanism to handle this issue?

- A. Traffic shaping
- B. Flow control
- C. NetFlow
- D. Link aggregation

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 513

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following protocols can be routed?

- A. FCoE
- B. Fibre Channel
- C. iSCSI
- D. NetBEUI

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 514

Topic #: 1

[\[All N10-008 Questions\]](#)

A Fortune 500 company would like to move its on-premises corporate email systems to a multitenant product hosted in the cloud where no maintenance of the underlying server OS or platform is required. Which of the following BEST represents the model the company should choose?

- A. Public
- B. Private
- C. Hybrid
- D. Community

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 515

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following situations would require an engineer to configure subinterfaces?

- A. In a router-on-a-stick deployment with multiple VLANs
- B. In order to enable inter-VLAN routing on a multilayer switch
- C. When configuring VLAN trunk links between switches
- D. After connecting a router that does not support 802.1Q VLAN tags

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 516

Topic #: 1

[\[All N10-008 Questions\]](#)

At which of the following OSI model layers does a MAC filter list for a wireless infrastructure operate?

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

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 517

Topic #: 1

[\[All N10-008 Questions\]](#)

The Chief Executive Officer of a company wants to ensure business operations are not disrupted in the event of a disaster. The solution must have fully redundant equipment, real-time synchronization, and zero data loss. Which of the following should be prepared?

- A. Cloud site
- B. Warm site
- C. Hot site
- D. Cold site

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 518

Topic #: 1

[\[All N10-008 Questions\]](#)

An IT technician needs to increase bandwidth to a server. The server has multiple gigabit ports. Which of the following can be used to accomplish this without replacing hardware?

- A. STP
- B. 802.1Q
- C. Duplex
- D. LACP

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 519

Topic #: 1

[\[All N10-008 Questions\]](#)

A company wants to mitigate unauthorized physical connectivity after implementing a hybrid work schedule. Which of the following will the company MOST likely configure?

- A. Intrusion prevention system
- B. DHCP snooping
- C. ARP inspection
- D. Port security

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 520

Topic #: 1

[\[All N10-008 Questions\]](#)

A customer cannot reach a web application on a local server. The network consultant suspects that the server is not accepting the HTTPS connection. Which of the following commands should the consultant run on the server to determine what is occurring?

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

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 521

Topic #: 1

[\[All N10-008 Questions\]](#)

A help desk technician is troubleshooting a Windows server named SQL.local and wants to check which port a specific application is running on. Which of the following commands should the technician run?

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

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 522

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator is configuring a static DSL connection on the perimeter router to use a backup route to the fiber connection using OSPF routing. The administrator notices all traffic is going over the DSL connection and both links are working. Which of the following should the administrator do to adjust the routing settings for the fiber connection to be used by the router?

- A. Add the DSL connection to the neighbor table for OSPF protocol
- B. Change the routing protocol to EIGRP for the fiber connection
- C. Increase the administrative distance of the DSL connection
- D. Create a separate VLAN for the DSL connection

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 523

Topic #: 1

[\[All N10-008 Questions\]](#)

A Chief Information Officer wants to monitor network breaching in a passive, controlled manner. Which of the following would be BEST to implement?

- A. Honeypot
- B. Perimeter network
- C. Intrusion prevention system
- D. Port security

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 524

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician monitors a switch interface and notices it is not forwarding frames on a trunked port. However, the cable and interfaces are in working order. Which of the following is MOST likely the cause of the issue?

- A. STP policy
- B. Flow control
- C. 802.1Q configuration
- D. Frame size

[Show Suggested Answer](#)



Actual exam question from CompTIA's N10-008

Question #: 525

Topic #: 1

[\[All N10-008 Questions\]](#)

A wireless network technician is receiving reports from some users who are unable to see both of the corporate SSIDs on their mobile devices. A site survey was recently commissioned, and the results verified acceptable RSSI from both APs in all user areas. The APs support modern wireless standards and are all broadcasting their SSIDs. The following table shows some of the current AP settings:

Name	Power	Directionality	Wireless standard	Authentication standard	SSID
AP1	Medium	Omnidirectional	802.11b	WPA2 - PSK	CORP01
AP2	High	Directional	802.11a	WPA2 - PSK	CORP02

Which of the following changes would result in all of the user devices being capable of seeing both corporate SSIDs?

- A. Implementing the WPA2 Enterprise authentication standard
- B. Implementing omnidirectional antennas for both APs
- C. Configuring the highest power settings for both APs
- D. Configuring both APs to use the 802.11ac wireless standard

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 526

Topic #: 1

[\[All N10-008 Questions\]](#)

An infrastructure company is implementing a cabling solution to connect sites on multiple continents. Which of the following cable types should the company use for this project?

- A. Cat 7
- B. Single-mode
- C. Multimode
- D. Cat 6

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 527

Topic #: 1

[\[All N10-008 Questions\]](#)

A user is required to log in to a main web application, which then grants the user access to all other programs needed to complete job-related tasks. Which of the following authentication methods does this setup describe?

- A. SSO
- B. RADIUS
- C. TACACS+
- D. Multifactor authentication
- E. 802.1X

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 528

Topic #: 1

[\[All N10-008 Questions\]](#)

A company has a geographically remote office. In order to connect to the internet, the company has decided to use a satellite WAN link. Which of the following is the GREATEST concern for this type of connection?

- A. Duplex
- B. Collisions
- C. Jitter
- D. Encapsulation

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 529

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is deploying multiple switches for a new office. The switches are separately managed and need to be cabled in to support dual firewalls in a HA setup. Which of the following should the technician enable to support proper stability of the network switches?

- A. NTP
- B. CDMA
- C. STP
- D. LACP
- E. 802.1Q

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 530

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following would be used to filter web traffic based on content?

- A. Proxy server
- B. Load balancer
- C. Media converter
- D. Access point

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 531

Topic #: 1

[\[All N10-008 Questions\]](#)

A bank installed a new smart TV to stream online video services, but the smart TV was not able to connect to the branch Wi-Fi. The next day, a technician was able to connect the TV to the Wi-Fi, but a bank laptop lost network access at the same time. Which of the following is the MOST likely cause?

- A. DHCP scope exhaustion
- B. AP configuration reset
- C. Hidden SSID
- D. Channel overlap

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 532

Topic #: 1

[\[All N10-008 Questions\]](#)

Newly crimped 26ft (8m) STP Cat 6 patch cables were recently installed in one room to replace cables that were damaged by a vacuum cleaner. Now, users in that room are unable to connect to the network. A network technician tests the existing cables first. The 177ft (54m) cable that runs from the core switch to the access switch on the floor is working, as is the 115ft (35m) cable run from the access switch to the wall jack in the office. Which of the following is the MOST likely reason the users cannot connect to the network?

- A. Mixed UTP and STP cables are being used.
- B. The patch cables are not plenum rated.
- C. The cable distance is exceeded.
- D. An incorrect pinout on the patch cable is being used.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 533

Topic #: 1

[\[All N10-008 Questions\]](#)

While troubleshooting a network outage, a technician discovers symptoms that indicate a patch cable is connecting the core switch to the router. A network engineer confirms the theory is plausible, and the technician tests the cable. The cable passes the test, and the technician properly plugs the cable back into the correct network ports. However, the network outage continues. Which of the following is the NEXT step the technician should take to troubleshoot the network outage?

- A. Establish a new theory.
- B. Verify full system functionality.
- C. Establish a plan of action.
- D. Continue to work the original theory.

Show Suggested Answer



Actual exam question from CompTIA's N10-008

Question #: 534

Topic #: 1

[\[All N10-008 Questions\]](#)

A help desk supervisor discovers the following ticket excerpt while reviewing notes in a customer's account:

Received report that customer was unable to use the scanner to read barcodes, the internet no longer worked, and the monitor was fuzzy. Arrived on site and began troubleshooting.

Confirmed monitor issue. Replaced VGA cable.

Confirmed scanner failure. Scanner USB cable was unattached. Reattached cable.

Confirmed internet issue. Duplicated on test laptop. Escalated to ISP.

Which of the following BEST describes what the technician was doing?

- A. The technician was questioning the obvious.
- B. The technician was implementing preventative measures.
- C. The technician was approaching multiple problems individually.
- D. The technician was determining if anything had changed.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 535

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following routing protocols should be implemented to create a route between a local area network and an ISP?

- A. BGP
- B. EIGRP
- C. RIP
- D. OSPF

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 536

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician would like to implement a low-latency Wi-Fi network. Which of the following standards should the technician deploy for the network if the expected user bandwidth is 450Mbps?

- A. 802.11a
- B. 802.11b
- C. 802.11g
- D. 802.11n

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 537

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following attacks, if successful, would provide a malicious user who is connected to an isolated guest network access to the corporate network?

- A. VLAN hopping
- B. On-path attack
- C. IP spoofing
- D. Evil twin

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 538

Topic #: 1

[\[All N10-008 Questions\]](#)

A network administrator implements a group of access points, only changing the SSID, credentials, and IP address. Shortly after, users begin reporting poor quality and video loss while on video calls in the conference room. Which of the following should the administrator do to MOST effectively troubleshoot during business hours?

- A. Remove the current antennas and replace them with directional antennas on each AP.
- B. Disconnect the AP and move it closer to the conference room.
- C. Configure separate channels on APs that are not supporting the conference room.
- D. Reboot the switch and each AP at the same time.

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 539

Topic #: 1

[\[All N10-008 Questions\]](#)

A desktop support department has observed slow wireless speeds for a new line of laptops using the organization's standard image. No other devices have experienced the same issue. Which of the following should the network administrator recommend troubleshooting FIRST to resolve this issue?

- A. Increasing wireless signal power
- B. Installing a new WAP
- C. Changing the protocol associated to the SSID
- D. Updating the device wireless drivers

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 540

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician needs to change an incoming fiber line into an RJ45 copper connection for uplinking a new switch. Which of the following would BEST satisfy this requirement?

- A. Media converter
- B. F-type connector
- C. Small form-factor pluggable
- D. Punchdown block

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 541

Topic #: 1

[\[All N10-008 Questions\]](#)

A new engineer at a company is working to understand the network. Which of the following diagrams should the engineer review to understand the paths traffic takes?

- A. Physical
- B. Logical
- C. Wiring
- D. Rack

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 542

Topic #: 1

[\[All N10-008 Questions\]](#)

A network technician is attempting to increase throughput by configuring link port aggregation between a Gigabit Ethernet distribution switch and a Fast Ethernet access switch. Which of the following is the BEST choice concerning speed and duplex for all interfaces that are participating in the link aggregation?

- A. Half duplex and 1GB speed
- B. Full duplex and 1GB speed
- C. Half duplex and 100MB speed
- D. Full duplex and 100MB speed

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 543

Topic #: 1

[\[All N10-008 Questions\]](#)

A junior network engineer is trying to change the native network ID to a non-default value that can then be applied consistently throughout the network environment. Which of the following issues is the engineer attempting to prevent?

- A. DDoS
- B. ARP spoofing
- C. VLAN hopping
- D. Rogue DHCP

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 544

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following BEST prevents unauthorized access to spare workstation inventory?

- A. Asset tags
- B. Tamper detection
- C. Security camera
- D. Locking cabinet
- E. Smart lockers

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 545

Topic #: 1

[\[All N10-008 Questions\]](#)

A technician is troubleshooting network connectivity from a wall jack. Readings from a multimeter indicate extremely low ohmic values instead of the rated impedance from the switchport. Which of the following is the MOST likely cause of this issue?

- A. Incorrect transceivers
- B. Faulty LED
- C. Short circuit
- D. Upgraded OS version on switch

[Show Suggested Answer](#)





Actual exam question from CompTIA's N10-008

Question #: 546

Topic #: 1

[\[All N10-008 Questions\]](#)

A user is experimenting with audio transmissions and would like the transmissions to reach several specific devices simultaneously over the IP network. The user requests assistance from a network technician to configure the appropriate features within the SOHO. Which of the following should the technician configure to meet the requirements?

- A. Unicast
- B. Multicast
- C. Anycast
- D. Broadcast

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 547

Topic #: 1

[\[All N10-008 Questions\]](#)

A retail store recently acquired the store next door. The owners would like this store to support Gigabit Ethernet for up to 328ft (100m). Which of the following is the MOST cost-effective solution?

- A. Cat5
- B. Cat 5e
- C. Cat 6
- D. Cat 7

Show Suggested Answer





Actual exam question from CompTIA's N10-008

Question #: 548

Topic #: 1

[\[All N10-008 Questions\]](#)

Which of the following attacks becomes more effective because of global leakages of users' passwords?

- A. Dictionary
- B. Brute-force
- C. Phishing
- D. Deauthentication

Show Suggested Answer

