Exam Questions N10-008

CompTIA Network+Exam

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NEW QUESTION 1
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

Answer: A

NEW QUESTION 2
A network technician needs to correlate security events to analyze a suspected intrusion Which of the following should the technician use?

A. SNMP
B. Log review
C. Vulnerability scanning
D. SIEM

Answer: D

NEW QUESTION 3
A local firm has hired a consulting company to clean up its IT infrastructure. The consulting company notices remote printing is accomplished by port forwarding via publicly accessible IPs through the firm's firewall Which of the following would be the MOST appropriate way to enable secure remote printing?

A. SSH
B. VPN
C. Telnet
D. SSL

Answer: A

NEW QUESTION 4
A network engineer performs the following tasks to increaseserver 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

Answer: C

NEW QUESTION 5
A network technician has multimode fiber optic cable available in an existing IDF. Which of the following Ethernet standards should the technician use to connect the network switch to the existing fiber?

A. 10GBaseT
B. 1000BaseT
C. 1000BaseSX
D. 1000BaseLX

Answer: A

NEW QUESTION 6
A network technician was troubleshooting an issue for a user who was being directed to cloned websites that were stealing credentials. The URLs were correct for the websites but an incorrect IP address was revealed when the technician used ping on the user's PC After checking the is setting, the technician found the DNS server address was incorrect Which of the following describes the issue?

A. Rogue DHCP server
B. Misconfigured HSRP
C. DNS poisoning
D. Exhausted IP scope

Answer: D

NEW QUESTION 7
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

Answer: D

NEW QUESTION 8
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

Answer: D

NEW QUESTION 9
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

Answer: A

NEW QUESTION 10
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

Answer: B

NEW QUESTION 10
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

Answer: A

NEW QUESTION 13
An engineer is configuring redundant network links between switches. Which of thefollowing should the engineer enable to prevent network stability issues?

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

Answer: B

NEW QUESTION 16
A network technician is investigating an issue with a desktop that is not connecting to the network. The desktop was connecting successfully the previous day, and no changes were made to the environment. The technician locates the switchport where the device is connected and observes the LED status light on the switchport is not lit even though the desktop is turned on Other devices that arc plugged into the switch are connecting to the network successfully Which of the following is MOST likely the cause of the desktop not connecting?

A. Transceiver mismatch
B. VLAN mismatch
C. Port security
D. Damaged cable
E. Duplex mismatch

Answer: C

NEW QUESTION 18
Which of the following BEST describes a network appliance that warns of unapproved devices that are accessing the network?

A. Firewall
B. AP
C. Proxyserver
D. IDS

Answer: D

NEW QUESTION 22
A firewall administrator is implementing a rule that directs HTTP traffic to an internal server listening on a non-standard socket Which of the following types of rules is the administrator implementing?

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

Answer: D

NEW QUESTION 24
An IDS was installed behind the edge firewall after a network was breached. The network was then breached again even though the IDS logged the attack. Which of the following should be used in place of these devices to prevent future attacks?

A. A network tap
B. A proxy server
C. A UTM appliance
D. A content filter

Answer: C

NEW QUESTION 26
The following configuration is applied to a DHCP server connected to a VPNconcentrator:

```
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 tothe 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

Answer: A

NEW QUESTION 31
An administrator is writing a script to periodically log the IPv6 and MAC addresses of all the devices on a network segment. Which ofthe 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

Answer: B

NEW QUESTION 35
A company wants to implement a large number of WAPs throughout its building and allow users to be able to move around the building without dropping their connections Which of the following pieces of equipment would be able to handle this requirement?

A. A VPN concentrator
B. A load balancer
C. A wireless controller
D. A RADIUS server

Answer: A

NEW QUESTION 36
A technician is writing documentation regarding a company's server farm. The technician needs to confirm the server name for all Linux servers. Which of the following commands should the technician run?

A. ipconfig
B. nslookup
C. arp

D. route

Answer: B

NEW QUESTION 37
Which of the following systems would MOST likely be found in ascreened subnet?

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

Answer: B

NEW QUESTION 38
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

Answer: B

NEW QUESTION 40
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. Whichof 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

Answer: B

NEW QUESTION 43
Which of the following transceiver types can support up to 40Gbps?

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

Answer: B

NEW QUESTION 48
There are two managed legacy switches running that cannot be replaced or upgraded. These switches do not support cryptographic functions, but they are password protected. Which of the following should a network administrator configure to BEST prevent unauthorized access?

A. Enable a management access list
B. Disable access to unnecessary services.
C. Configure a stronger password for access
D. Disable access to remote management
E. Use an out-of-band access method.

Answer: A

NEW QUESTION 50
A small, family-run business uses a single SOHO router to provide Internet and WiFi to its employees At the start of a new week, employees come in and find their usual WiFi network is no longer available, and there is a new wireless network to which they cannot connect. Given that information, which of the following should have been done to avoid this situation'

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

Answer: A

NEW QUESTION 52
Which of thefollowing DNS records works as an alias to another record?

A. AAAA
B. CNAME
C. MX

D. SOA

Answer: B

NEW QUESTION 54
A network administrator is installing a wireless network at aclient'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

Answer: A

NEW QUESTION 55
Which of the following would need to be configured to ensure a device with a specific MAC address is always assigned the same IP address from DHCP?

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

Answer: B

NEW QUESTION 57
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

Answer: A

NEW QUESTION 60
Which of the following is the physical topology for an Ethernet LAN?

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

Answer: D

NEW QUESTION 64
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.

Answer: C

NEW QUESTION 65
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

Answer: C

NEW QUESTION 70
A network administrator discovers that users in an adjacent building areconnecting 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. Enablewireless client isolation

D. Enable wireless port security

Answer: A

NEW QUESTION 71
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

Answer: A

NEW QUESTION 72
A network technician is reviewing an upcoming project's requirements to implement IaaS. Which of the following should the technician consider?

A. Software installation processes
B. Type of database to be installed
C. Operating system maintenance
D. Server hardware requirements

Answer: D

NEW QUESTION 73
Which of the following is a system that is installed directly on a server's hardware and abstracts the hardware from any guest machines?

A. Storage array
B. Type 1 hypervisor
C. Virtual machine
D. Guest QS

Answer: A

NEW QUESTION 74
A technician is deploying a low-density wireless network and is contending with multiple types of building materials. Which of the following wireless frequencies would allow for the LEAST signal attenuation?

A. 2.4GHz
B. 5GHz
C. 850MHz
D. 900MHZ

Answer: B

NEW QUESTION 77
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 whileminimizing address space usage
Provide a dedicated server to resolve IP addresses and hostnames correctly and handle port 53 traffic Building A
Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage
Provide devices to support 5 additional different office users Add an additional mobile user
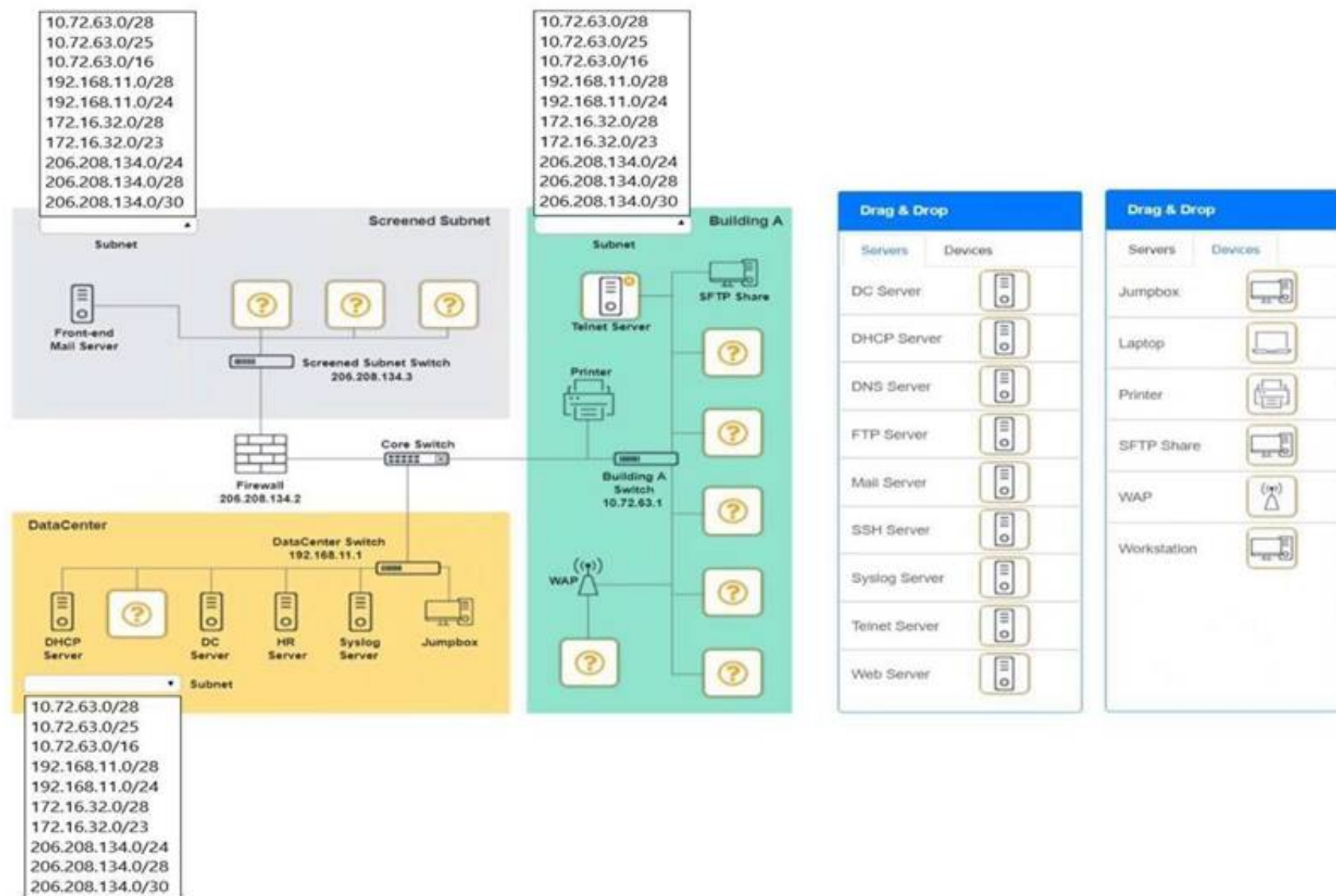Replace the Telnet server with a more secure solution Screened subnet
Ensure network is subnetted to allow all devices to communicate properly while minimizing address space usage
Provide a server to handle external 80/443 traffic Provide a server to handle port 20/21 traffic INSTRUCTIONS
Drag and drop objects onto the appropriate locations. Objects can be used multiple times and not all placeholders need to be filled.
Available objects are located in both the Servers and Devices tabs of the Drag & Drop menu.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 79
A network administrator wants to improve the security of the management console on the company's switches and ensure configuration changes made can be correlated to the administrator who conformed them Which of the following should the network administrator implement?

A. Port security
B. Local authentication
C. TACACS+
D. Access control list

Answer: C

NEW QUESTION 84
Which of the following technologies allows traffic to be sent through two different ISPs to increase performance?

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

Answer: A

NEW QUESTION 87
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

Answer: D

NEW QUESTION 92

Atechnician 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

Answer: B

NEW QUESTION 97
A networkengineer 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. IncreasedCRC errors
B. Increased giants and runts
C. Increased switching loops
D. Increased device temperature

Answer: A

NEW QUESTION 102
Branch users are experiencing issues with videoconferencing. Which of the following will the company MOST likely configure to improveperformance for these applications?

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

Answer: C

NEW QUESTION 103
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 cablingissue?

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

Answer: C

NEW QUESTION 107
Which of the following service models would MOST likely be used toreplace on-premises servers with a cloud solution?

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

Answer: B

NEW QUESTION 110
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 sameSSID 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

Answer: A

NEW QUESTION 113
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 allowsthe enforcement of this policy?

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

Answer: B

NEW QUESTION 118
A network administrator needs to query the NSs for a remote application. Which of the following commands would BEST help the administrator accomplish this task?

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

Answer: A

NEW QUESTION 119
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

Answer: D

NEW QUESTION 123
A network technician is installing an analog desk phone for a new receptionist After running a new phone line, the technician now needs to cnmp on a new connector. Which of the following connectors would MOST likely be used in this case?

A. DB9
B. RJ11
C. RJ45
D. DB25

Answer: A

NEW QUESTION 124
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 tothe 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

Answer: E

NEW QUESTION 126
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

Answer: D

NEW QUESTION 130
A network engineer is designing a new secure wireless network. The engineer has been given the following requirements:
* 1 Must not use plaintext passwords

* 2 Must be certificate based
* 3. Must be vendor neutral
Which of the following methods should the engineer select?

A. TWP-RC4
B. CCMP-AES
C. EAP-TLS
D. WPA2

Answer: C

NEW QUESTION 131
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

Answer: A

NEW QUESTION 133
A wireless network was installed in a warehouse for employees to scan crates with a wireless handheld scanner. The wireless network was placed in the corner of the building near the ceiling for maximum coverage However users in the offices adjacent lo the warehouse have noticed a large amount of signal overlap from the new network Additionally warehouse employees report difficulty connecting to the wireless network from the other side of the building; however they have no issues when Ihey are near the antenna Which of the following is MOST likely the cause?

A. The wireless signal is being refracted by the warehouse's windows
B. The antenna's power level was set too high and is overlapping
C. An omnidirectional antenna was used instead of a unidirectional antenna
D. The wireless access points are using channels from the 5GHz spectrum

Answer: A

NEW QUESTION 138
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 ecth0 promisc
B. ifconfig eth1 up
C. ifconfig eth0 10.1.2.3
D. ifconfig eth1 hw ether A1:B2:C3:D4:E5:F6

Answer: A

NEW QUESTION 140
Which of the following policies is MOST commonly used for guest captive portals?

A. AUP
B. DLP
C. BYOD
D. NDA

Answer: A

NEW QUESTION 144
Which of the following technologies provides a failover mechanism for the default gateway?

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

Answer: A

NEW QUESTION 149
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