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 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 4
A network technician is observing the behavior of an unmanaged switch when a new device is added to the network and transmits data. Which of the following BEST describes how the switch processes this information?

A. The data is flooded out of every por
B. including the one on which it came in.
C. The data is flooded out of every port but only in the VLAN where it is located.
D. The data is flooded out of every port, except the one on which it came in
E. The data is flooded out of every port, excluding the VLAN where it is located

Answer: C

NEW QUESTION 5
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 6
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

Answer: B

NEW QUESTION 7
SIMULATION
You have been tasked with setting up a wireless network in anoffice. 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 INSTRUCTONS

Click on the wireless devices and review their information and adjust the settingsof 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.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
On the first exhibit, the layout should be as follows Access Point Name AP1
IP Address 192.168.1.3
Gateway 192.168.1.2 SSID corpnet
SSID Broadcast yes Mode G
Channel 1 Speed Auto Duplex Auto WPA
Passphrase S3cr3t! Exhibit 2 as follows Access Point Name AP2 IP Address 192.168.1.4
Gateway 192.168.1.2 SSID corpnet
SSID Broadcast yes Mode G
Channel 6 Speed Auto
Duplex Auto WPA
Passphrase S3cr3t! Exhibit 3 as follows Access Point Name AP3 IP Address 192.168.1.5
Gateway 192.168.1.2 SSID corpnet
SSID Broadcast yes Mode G
Channel 11 Speed Auto Duplex Auto WPA
Passphrase S3cr3t!

NEW QUESTION 8
A corporation has a critical system that would cause unrecoverable damage to the brand if it was taken offline. Which of the following disaster recovery solutions should the corporation implement?

A. Full backups
B. Load balancing
C. Hot site
D. Snapshots

Answer: C

NEW QUESTION 9
A customer wants to segregate the traffic between guests on a hypervisor. Which of the following does a technician need to configure to meet the requirement?

A. Virtual switches
B. OSPF routing
C. Load balancers
D. NIC teaming
E. Fibre Channel

Answer: A

NEW QUESTION 10
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

Answer: C

NEW QUESTION 10
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 12
A technician isdeploying 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

Answer: A

NEW QUESTION 17
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.

Answer: D

NEW QUESTION 20
A lab environment hosts Internet-facing web servers and other experimental machines, which technicians use for various tasks A technician installs software on one of the web servers to allow communication to the company's file server, but it is unable to connect to it Other machines in the building are able to retrieve files from the file server. Which of the following is the MOST likely reason the web server cannot retrieve the files, and what should be done to resolve the problem?

A. The lab environment's IDS is blocking the network traffic 1 he technician can whitelist the new application in the IDS
B. The lab environment is located in the DM2, and traffic to the LAN zone is denied by defaul
C. The technician can move the computer to another zone or request an exception from theadministrator.
D. The lab environment has lost connectivity to the company router, and the switch needs to be rebooted.The technician can get the key to the wiring closet and manually restart the switch
E. The lab environment is currently set up with hubs instead of switches, and the requests are getting bounced back The technician can submit a request for upgraded equipment tomanagement.

Answer: B

NEW QUESTION 25
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 27
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 28
An ARP request is broadcasted and sends the following request. ''Who is 192.168.1.200? Tell 192.168.1.55''
At which of the following layers of the OSI model does this request operate?

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

Answer: B

NEW QUESTION 32
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 36
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 39
Which of the following is the physical topology for an Ethernet LAN?

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

Answer: D

NEW QUESTION 42
A SaaS provider has decided to leave an unpatched VM available via a public DMZ port. With which of the following concepts is this technique MOST closely associated?

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

Answer: D

NEW QUESTION 45
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

Answer: B

NEW QUESTION 47
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 49
An organization wants to implement a method of centrally managing logins to network services. Which of the following protocols should the organization use to allow for authentication, authorization and auditing?

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

Answer: A

NEW QUESTION 50
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:

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

Answer: A

NEW QUESTION 55
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 WANconnection 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

Answer: A

NEW QUESTION 57
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 58
Which of the following protocol types describes secure communication on port 443?

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

Answer: C

NEW QUESTION 60
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 63
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 68
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 70
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 74
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

Answer:

NEW QUESTION 79
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 81
A network administrator has been directed to present the network alerts from the past week to the company's executive staff. Which of the following will provide the BEST collection and presentation of this data?

A. A port scan printout
B. A consolidated report of various network devices
C. A report from the SIEM tool
D. A report from a vulnerability scan done yesterday

Answer: C

NEW QUESTION 84
An IT organization needs to optimize speeds for globalcontent 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

Answer: D

NEW QUESTION 89
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 93
A network technician is manually configuring the network settings for a new device and is told the network block is 192.168.0.0/20. Which of the following subnets should the technician use?

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

Answer: C

NEW QUESTION 95
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 97
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 100
Which of the following TCP ports is used by the Windows OS for file sharing?

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

Answer: C

NEW QUESTION 104
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

Answer: B

NEW QUESTION 106
A network technician is investigating an IP phone that does not register in the VoIP system Although it received an IP address, it did not receive the necessary DHCP options The information that is needed for the registration is distributes by the OHCP scope All other IP phones are working properly. Which of the following does the technician need to verify?

A. VLAN mismatch
B. Transceiver mismatch
C. Latency
D. DHCP exhaustion

Answer: A

NEW QUESTION 108
A workstation is configured with the following network details:

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 112
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

Answer: A

NEW QUESTION 115
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 117

Which of the following security devices would be BEST to use to provide mechanical access control to the MDF/IDF?

A. A smart card
B. A key fob
C. An employee badge
D. A door lock

Answer: B

NEW QUESTION 120
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 122
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