



Vendor: CompTIA

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Version: Demo

QUESTION 1

Which of the following describes a process that can translate internal IP addresses to external ones?

- A. Change Control
- B. NAT
- C. PAT
- D. Remote terminal emulation

Correct Answer: B

QUESTION 2

A network engineer sends the firewall administrator the following packet capture of a suspicious packet received by the company main web server:

```
09:18:16.262743 IP (tos 0x0, ttl 64, id 9870, offset 0, flags [none], proto TCP (6), length 40)
192.168.1.3.1051 > 10.46.3.7.80: Flags [S.], cksum 0x1800 (correct), win 512, length 0
09:18:16.27682 IP (tos 0x0, ttl 126, id 28499, offset 0, flags [none], proto TCP (6), length 40)
10.46.3.7.80 > 192.168.1.3.1051 : Flags [A], cksum 0x1666 (correct), seq 0, ack 545757080, win 512, length 0
```

After receiving the suspicious packet, the firewall administrator reviews the following ACL, which was configured on the border firewall

```
10 DENY TCP SRC 0.0.0.0/0 DST 10.46.2.0/23:80
20 PERMIT TCP SRC 0.0.0.0/0 DST 10.46.3.7/32:80
30 DENY IP SRC 0.0.0.0/0 DST 0.0.0.0/0
```

Which of the following statements BEST describes the scenario?

- A. The suspicious packet was sent to the web server by an internal host.
- B. The packet is legitimate traffic and was blocked by the web service.
- C. The suspicious packet made it through the firewall due to an ACL misconfiguration.
- D. The web server has been compromised and is responding with malformed packets

Correct Answer: C

QUESTION 3

A company is building a new 10Gb Ethernet top of rack network. Which of the following media is MOST cost-effective for this implementation?

- A. CAT5e
- B. Multimode fiber
- C. Single mode fiber
- D. Fibre channel

Correct Answer: B

Explanation:

http://www.cisco.com/c/en/us/products/collateral/switches/nexus-5000-series-switches/white_paper_c11-522337.html

QUESTION 4

After receiving an IP lease from a DHCP server, when will a client first contact the DHCP server again to renew the lease?

- A. After ¼ of the lease has expired

- B. After ½ of the lease has expired.
- C. After ¾ of the lease has expired
- D. After the entire lease has expired

Correct Answer: B

QUESTION 5

A company has separate subnets for each floor. A technician has moved a device from one floor to another and manually configured only the static IP address. The device can reach other devices on the floor in the same subnet, but it cannot reach devices on other floors. Which of following should be configured to allow this device to work?

- A. Gateway
- B. SNMP
- C. Port speed
- D. MTU
- E. Subnet mask

Correct Answer: A

QUESTION 6

Given the following system requirements:

- Automatically assigns IP addresses
- Only the networkstations can be connected
- Notify the network administrator of potentially malicious activity

Which of the following must be implemented so satisfy these conditions? (Select Three)

- A. DNS
- B. Content Filtering
- C. MAC Filtering
- D. NIDS
- E. VPN
- F. RADIUS
- G. DHCP server
- H. URL cache
- I. Load balancer

Correct Answer: CDG

Explanation:

https://en.wikipedia.org/wiki/MAC_filtering

https://en.wikipedia.org/wiki/Intrusion_detection_system

<http://whatismyipaddress.com/dhcp>

QUESTION 7

Which of the following areas MUST all other OSPF areas connect to in a properly configured network?

- A. 0
- B. 1
- C. 110
- D. 255

Correct Answer: A

QUESTION 8

Which of the following is an effect of the protocol mechanism QoS with reference to unified communication?

- A. QoS ensures that unified communication video service is delivered as high definition between the unified communication endpoints.
- B. QoS enables the unified communication traffic compression algorithm to conserve bandwidth across the WAN.
- C. QoS ensures that real time traffic is not delayed between unified communication endpoints.
- D. QoS prevents any degradation in the voice/video signal quality by tunneling the packets between the unified communication endpoints.

Correct Answer: C

QUESTION 9

A technician wants to configure the inbound port of a router to prevent FTP traffic from leaving the LAN. Which of the following should be placed on the router interface to accomplish this goal?

- A. Static routes for all port 80 traffic
- B. DHCP reservations for all /24 subnets
- C. ACL for ports 20 and 21
- D. MAC filtering using wildcards

Correct Answer: C

QUESTION 10

A user is unable to log into the network successfully. Which of the following are steps of the troubleshooting methodology used to identify the problem? (Select TWO).

- A. Use troubleshooting tools
- B. Document actions
- C. Duplicate problem
- D. Identify effects of resolution
- E. Question users

Correct Answer: BE

QUESTION 11

A security department notices that the ports on a FTP server are experiencing a high rate of traffic, preventing legitimate traffic from reaching the server. Which of the following would the security department implement to identify and trap new attacks?

- A. Honeynet
- B. IDS
- C. HIPS
- D. ACL
- E. Firewall

Correct Answer: A

QUESTION 12

A company technician has set up the network so that all external protections and internal protections across the network are segregated from any malicious attacks and there are firewalls configured on both sides of the DMZ. During the configuration review of the device installation, there is evidence of unauthorized network traffic penetrating the internal network. Which of the following is either missing or incorrectly configured in the firewall settings?

- A. Stateful settings
- B. UTM
- C. ACL
- D. Implicit deny
- E. Stateless settings

Correct Answer: A

QUESTION 13

A network administrator believes that the traffic from a load balancer is only being sent to a single backend server. However, the administrator does not have administrative access to the load balancers or the backend servers. Which of the following should the administrator do to verify this suspicion?

- A. Selectively disable the switch ports connected to the load balancers to determine if traffic is still flowing.
- B. Enable port mirroring on the switch connected to the backend servers and analyze the traffic captured.
- C. Create a port channel on the switch that includes all of the backend servers and verify the interfaces all have equal traffic.
- D. Configure the switch port connected to the load balancer's ingress port to send traffic flow to a collector for analysis.

Correct Answer: B

QUESTION 14

Which of the following is an advantage of utilizing a Layer 2 switch rather than a hub?

- A. A switch avoids broadcast storms
- B. A switch detects frame collisions
- C. A switch increases broadcast domains
- D. A switch increases collision domains

Correct Answer: B

QUESTION 15

A company is moving into a larger office space. A site survey is performed, a network layout is created, and access points are placed throughout the building. Which of the following steps should the network technician take NEXT to ensure blanket wireless coverage?

- A. Create a heat map and adjust access points.
- B. Broadcast the SSID to connect all devices.
- C. Replace all antennas with omni-directional types.
- D. Configure 5GHz dual channel broadcasting.

Correct Answer: B

QUESTION 16

A new fiber optic cable run has been installed, but users connected through the new cable are immediately reporting latency problems. Which of the following should the technician check?

- A. EMI/RFI
- B. Connector mismatch
- C. Crosstalk
- D. Bend radius

Correct Answer: D

QUESTION 17

A technician is configuring mobile devices for new employees. Which of the following documents should be updated to show that the new employees are receiving these mobile devices?

- A. Network diagram
- B. Asset management
- C. Organizational chart
- D. Standard operating procedure
- E. Change management

Correct Answer: B

QUESTION 18

A network technician has been asked to add a user to an administrative group on the network. Which of the following change management procedures should be followed?

- A. Network configuration
- B. Potential impact analysis
- C. Rollback process
- D. Approval process

Correct Answer: D

QUESTION 19

A technician is configuring an ACL and needs to allow for traffic from a server to assign IP addresses to network devices. Which of the following ports and protocols should the technician configure? (Select two.)

- A. 67
- B. 53
- C. 161
- D. DNS
- E. SNMP
- F. DHCP

Correct Answer: AF

QUESTION 20

Which of the following would BEST mitigate the risk of social engineering?

- A. Man traps
- B. Business continuity planning
- C. End-user training

D. Penetration testing

Correct Answer: C