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**Cisco**

# 500-560

*Cisco Networking: On-Premise and Cloud Solutions*



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**Question: 141**

Which technology is used to convert a private IP address to a public IP address to enable communication over the internet?

- A. Domain Name System (DNS)
- B. Network Address Translation (NAT)
- C. Dynamic Host Configuration Protocol (DHCP)
- D. Virtual Local Area Network (VLAN)

**Answer: B**

Explanation: Network Address Translation (NAT) is used to convert a private IP address to a public IP address to enable communication over the internet. NAT allows multiple devices with private IP addresses to share a single public IP address by translating the private IP addresses to the public IP address when communicating with external networks.

**Question: 142**

Which protocol is used to securely access and manage network devices remotely?

- A. SSH (Secure Shell)
- B. Telnet (Telecommunication Network)
- C. SNMP (Simple Network Management Protocol)
- D. HTTPS (Hypertext Transfer Protocol Secure)

**Answer: A**

Explanation: SSH (Secure Shell) is used to securely access and manage network devices remotely. It provides encryption and secure authentication mechanisms to protect the confidentiality and integrity of the remote management session. SSH has largely replaced Telnet, which transmits data in clear text and is considered insecure.

### **Question: 143**

Which network device is used to connect multiple networks and make forwarding decisions based on IP addresses?

- A. Switch
- B. Router
- C. Hub
- D. Firewall

**Answer: B**

Explanation: A router is used to connect multiple networks and make forwarding decisions based on IP addresses. It operates at the network layer (Layer 3) of the OSI model and uses routing tables to determine the best path for data packets to reach their destination based on IP addresses. Routers enable communication between different networks and facilitate the exchange of data across the internet.

**Question: 144**

Which protocol is used to automatically assign IP addresses to network devices?

- A. DHCP (Dynamic Host Configuration Protocol)
- B. DNS (Domain Name System)
- C. SNMP (Simple Network Management Protocol)
- D. FTP (File Transfer Protocol)

**Answer: A**

Explanation: DHCP (Dynamic Host Configuration Protocol) is used to automatically assign IP addresses to network devices. It is a network management protocol that dynamically allocates IP addresses, along with other network configuration parameters such as subnet mask, default gateway, and DNS server addresses, to devices on a network.

**Question: 145**

Which network component provides a central point for cable connections in a local area network (LAN)?

- A. Router
- B. Switch
- C. Hub
- D. Modem

**Answer: C**

Explanation: A hub provides a central point for cable connections in a local area network (LAN). It is a basic networking device that operates at the physical layer (Layer 1) of the OSI model and simply broadcasts incoming data packets to all connected devices. Hubs have largely been replaced by switches, which provide better performance and security.

**Question: 146**

Which network security technology is used to monitor network traffic and detect potential security breaches or attacks?

- A. Intrusion Detection System (IDS)
- B. Virtual Private Network (VPN)
- C. Firewall
- D. Access Control List (ACL)

**Answer: A**

Explanation: An Intrusion Detection System (IDS) is a network security technology used to monitor network traffic and detect potential security breaches or attacks. It analyzes network packets and compares them against known attack signatures or abnormal behavior patterns. When an intrusion or suspicious activity is detected, the IDS generates alerts or takes proactive actions to mitigate the threat.

### Question: 147

What is one of the key drivers of growing security threats in the market?

- A. comprehensive security solutions
- B. security solution fragmentation
- C. increased demand for cybersecurity professionals
- D. hardware with integrated security solution

**Answer: B**

### Question: 148

What feature of the Catalyst 2960-L allows customers to get a small branch or office network running within minutes?

- A. support for Cisco DNA center
- B. on-box web interface for configuration
- C. flexible deployments with Stackwise-160
- D. complete CLI support

**Answer: B**

### Question: 149

What is one typical need of a small branch?

- A. multiple network services integrated into a single device
- B. comprehensive subscription-based services
- C. multiple devices for optimal flexibility
- D. ability for users to access the majority of resources at off-site data storage

**Answer: A**

### Question: 150

What is one advantage of Umbrella branch package?

- A. prevent already-infected devices from connecting to command and control
- B. prevent guest or corporate users from connecting to malicious domains and IP addresses
- C. deploy the branch package on a Cisco ISR4K router in 4 easy steps
- D. no client side configuration required

**Answer: B**

### Question: 151

What is a key feature of the Meraki MV Dashboard?

- A. drag and drop camera feeds to create video walls with up to 16 cameras per layout
- B. bulk configuration changes and software updates
- C. device security and location analytics in a single pane of glass
- D. single pane of glass showing root cause analysis for all connected wireless clients

**Answer: A**

**Question: 152**

What is one way that Mx security appliances achieve automatic failover and high availability?

- A. Always on (availability groups)
- B. Redundant gateways (using HSRP)
- C. Warm spare (using VRRP)
- D. Survivable Remote Site Technology (SRST)

**Answer: C**

**Question: 153**

What is one challenge commonly facing Express Specialization Networking customers?

- A. shrinking IT budget and resource scarcity
- B. low number of devices connected to the network
- C. do-it-yourself approach to network management
- D. large, highly bureaucratic IT departments

**Answer: A**

**Question: 154**

What is the interface used to access the Cisco Meraki Dashboard?

- A. Web browser
- B. Terminal (Mac) or Command Prompt (Windows)
- C. Cisco IOS command line interface (CLI)
- D. Secure Shell (SSH)

**Answer: A**

**Question: 155**

Which is a function performed by the dedicated third radio in MR access points?

- A. RF optimization (Auto RF)
- B. WLAN controller
- C. Site survey planning
- D. DHCP addressing

**Answer: A**

**Question: 156**

What would be an indicator that a customer could benefit from a Meraki cloud-managed network?

- A. Customer needs modular hardware customization and granular, command-line level interfacing

- B. Customer prefers direct access to on-premises appliances and servers via in-line terminal management
- C. Customer requires end to-end visibility and a network that can be quickly deployed and easily managed by a limited IT stat
- D. Customer seeks to implement a diverse solution of firewalls with 3rd party integration alongside other cloud application.

**Answer: C**





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