

CCNA Flashcards PDF

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What does CCNA stand for?

Cisco Certified Network Associate

What is the primary purpose of a router?

To forward data packets between computer networks.

What is the default subnet mask for a Class C IP address?

255.255.255.0

What protocol is used to find the MAC address of a device on a local network?

Address Resolution Protocol (ARP)

What is the maximum length of a CAT5e Ethernet cable?

100 meters (328 feet)

What does NAT stand for in networking?

Network Address Translation

What is the function of a switch in a network?

To connect devices within the same network and forward data to the correct destination.

What is the purpose of a firewall?

To monitor and control incoming and outgoing network traffic based on predetermined security rules.

What is the difference between TCP and UDP?

TCP is connection-oriented and reliable, while UDP is connectionless and faster but less reliable.

What does VLAN stand for?

Virtual Local Area Network