

Question 1

Fill in the blank: An Internet Protocol (IP) address is a unique string of characters that identifies the _____ of a device on the internet. 1 / 1 point

operating system

speed

size

location

Correct

An IP address is a unique string of characters that identifies the location of a device on the internet.

Question 2

Which of the following is an example of an IPv4 address? 1 / 1 point

2001:0db8:85a3:0000:0000:8a2e:0370:7336

25, 443, 20

00-B1-D0-63-C2-26

172.16.254.1

Correct

An example of an IPv4 address is 172.16.254.1. IPv4 addresses are written as four, 1-3-digit numbers separated by decimal points. Each one can contain the values 0-255.

Question 3

What type of address is assigned by an internet service provider and connected to a geographic location? 1 / 1 point

MAC address

WAN address

Private IP address

Public IP address

Correct

A public IP address is assigned by an internet service provider and shared by all devices on a local area network. It is connected to geographic location. All communications from devices in the same local area have the same public-facing address due to network address translation or a forwarding proxy.

Question 4

Fill in the blank: A switch uses a MAC _____ to direct data packets to the correct device. 1 / 1 point

address table

geographic location

home network

public address

Correct

A switch uses a MAC address table to direct data packets to the correct device.