Case Project 7-1: Networking Concepts

Superduper Lightspeed Computers helps many customers configure small home networks. A new staff person has started with very limited networking experience. How would you explain the basics of Windows 10 networking to the new person?

Step 1:

Windows 10 has complete networking functionality, ranging from small wireless networks at home to enormous corporate networks, as befits a contemporary operating system. With a Windows 10 PC, there are practically no restrictions on the kinds and number of networks you can connect with.

Step 2:

The operating system becomes somewhat more sophisticated as a result of this. Therefore, it should come as no surprise that Windows 10 offers a wide variety of tools for managing the networks you use. The most crucial tools that the average home user could require to keep their Windows 10 PCs linked and in communication are covered in this article. Some of the more complicated areas that call for in-depth networking knowledge will be skipped over.

The connection to a network on a computer running Windows 10 is as easy as connecting to the network's cable or entering a passphrase at the Wi-Fi prompt.

A new user would need to be taught several fundamental Windows 10 networking principles, although it would be better to start with the fundamentals. Show the new tech first where the routers and modems are, and then show him/her where the switches and patch panel are (for they might need to know this if they have to open up a port.) Additionally, the IT specialist should explain IPv4, how each device on the network has a unique IP address, and how to handle basic IP problems.