

The Advantages Of Wireless Networks

In this world of modern technology, most people prefer not to connect computers with Ethernet cables because excessive cables scattered throughout their office or home is unsightly. You can choose to install a wireless network to avoid excessive cabling. For a wireless network, there is no need to use Ethernet cables to connect your computers to the DSL or router. Usually, a wireless network broadcast signal uses one or more wireless routers or wireless access points. The access points or router are provided with an aerial and an Ethernet port. The Ethernet port in the access point must be connected to the modem which is provided by your internet service provider, if you need internet access. If you have to move the wireless network to another place, you can simply transfer and install it in your new location easily. You can also make a combination of wired and wireless connections with an access point or wireless router. The access point functions as the receiver and radio frequency transmitter and can interact with computers, IP Phones, PDAs and other access points having 802.11 wireless adapters. IEEE 802.11 standard of wireless transmission is utilized in a wireless local area network (WLAN). Certain other wireless networking standards such as Bluetooth are available now. However, 802.11 standard is considered as the most effectual networking solution. Actually, the aim of the developers of this network interface was to connect computers through a local area network. However, it has now been changed and a wireless network interface is also used for Voice over Internet Protocol (VoIP) and internet access. Based on the surveys conducted so far, it is clear that you can stay connected in your network for a long period each day. If you have a laptop with a wireless connection, you can walk around your office with your laptop without losing the connection. Nowadays, certain emergency services are transferring their confidential data through a wireless network. We can consider this as an evidence for the data security which is provided by wireless network. You can send and share data quickly through a wireless network. This is the main reason why businesses and people prefer this network interface for their data sharing. Another important fact regarding wireless networks is that you can connect to the network easily even from the regions which have poor telecom infrastructure. Some of the main reasons which make the wireless network interface popular include: i) Convenience as you can use this network interface at home, the office or anywhere else without hassle. ii) WLANs are available anywhere in the world at an affordable cost. iii) If you are moving to a new location, you can transfer the interface and install it at your new location easily. iv) There is no need for an Ethernet cable to connect computers to each other. For a business, one of the main advantages in setting up a wireless network is savings. You can access the changes in your business in a short period of time after installing the wireless network. There is no need to spend money on cables and other equipments. The cost of maintaining a wireless network is also less when compared to other network interfaces. Nowadays, you can buy wireless routers at an affordable cost. Also having a wireless network can increase productivity and improve the working environment in your office. One of the main drawbacks of this network interface is that it may cause health and environmental hazards. Recent researches reported that the constant use of wireless network interfaces may lead to memory loss, poor concentration, premature senility, nausea and even the hazardous disease named cancer. Some environmental hazards that may occur due the constant usage of this interface are also reported. These hazards occur due to electromagnetic radiation coming out of wireless networks.

About the Author

[Datacraft is the leading independent IT services and solutions company in Asia Pacific.](#) Datacraft combines an expertise in networking, security, Microsoft solutions, storage and contact centre technologies, with advanced skills in consulting, integration and managed services, to craft IT solutions for businesses.

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