

Module 9

Understanding the various types of network

Types of Network

1. LAN (Local Area Network)
 2. WAN (Wide Area Network)
 3. Virtual Private Network (VPN)
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Wifi and Ethernet

- Internet access is only possible through a cable or through a wireless connection.
 - **Ethernet** is one of the usual methods to connect computers on a network over a wired connection.
 - **Wifi** is the technology that allows PCs, laptops, phone to connect the internet without the need for a physical wired connection.
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Steps for setting up the home network are as follow;

1. Selecting the type of network
 2. Obtaining Necessary Hardware
 3. Setting up of Router
 4. Configuring the network
 5. Connecting computer and devices to the network
 6. Creating the home group
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Wireless Network

Wireless network is also known as Wi-Fi.

Various types of wireless network are ;

- Wireless Local Area Network (WLAN)
 - Wireless Metropolitan Area Network(WMAN)
 - Wireless Wide Area Network(WWAN)
 - Wireless Personal Area Network(WPAN)
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Understanding threats to wireless network security and Countermeasures

Threats to wireless networks

- Configuration problems
- Evil Twin

- War Driver
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Measure for secure network connection

- Firewall
- Antivirus
- Encryption
- Browsing the ony secure website
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