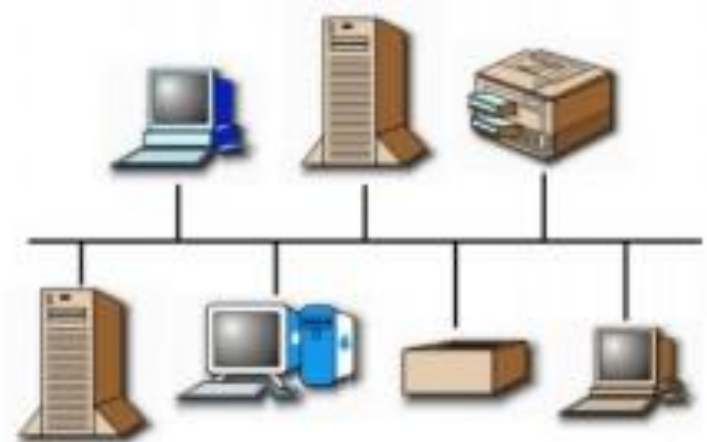


# Local Area Network

A LAN is a group of computers, printers and other interconnected devices.

Characteristics of a LAN include:

1. Limited geographic operation
2. High speed data transfer rates
3. Full time connectivity to local services
4. Generally lower in cost than a WAN



## Major LAN Issues

Two major issues when designing and implementing a LAN include:

- 1. Distance**
- 2. Cost**

# LAN Transmission Methods

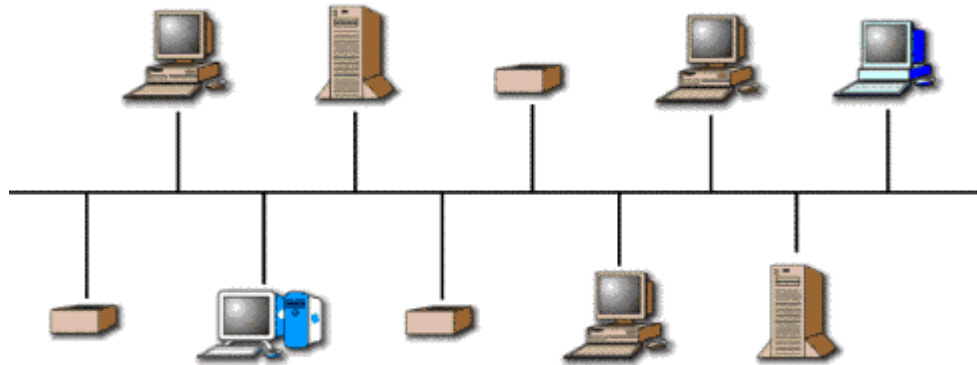
LAN transmission methods fall into 3 main categories:

**Unicast transmission**

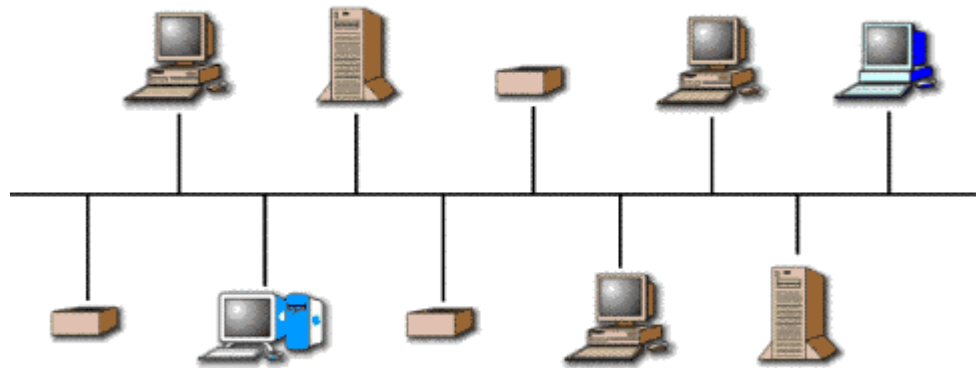
**Multicast transmission**

**Broadcast transmission**

# Unicast transmission



# Multicast transmission



# Broadcast transmission

