





Basic Networking concepts





LAN Characteristics

- » Operate within a limited geographic area
- » Allow multiaccess to high-bandwidth media
- » Control the network privately under local administration
- » Provide full-time connectivity to local services
- » Connect physically adjacent devices

LAN Characteristics

7

8

- » <u>All nodes are connected by a single high speed</u> <u>shared channel.</u>
- » Data is packetized and packets are carried past all nodes in the network.
- » Addressing is required but routing is not needed.
- » Congestion control and network architecture are among design issues.
- » <u>Several topologies can be used but the choice</u> of topology is not a major issue.























