

How a WAN Works.

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This book is designed for students who want to know the basics of how a wide area network works.

How a WAN Works explores the underlying concepts of how wide area networks function.

Combines full color illustrations that brings the inside of a network to life.

Describes the differences between local area networks (LAN) and wide area networks (WAN).

The network firewall is covered.

Describes data packets and ports.

The TCP/IP protocols are detailed.

Internet networks are covered.

Client Server is described.

Covers name server and peer to peer networks.

This full-color, fully illustrated guide to the world of wide area networks is ideal for computer science curriculums.

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Chapter 1

Introduction.

A network is a group of computers that are connected together. The purpose of a network is to allow computers, to communicate with each other.

They are usually connected together by special cables. Wi Fi can be used to allow cable free connections.

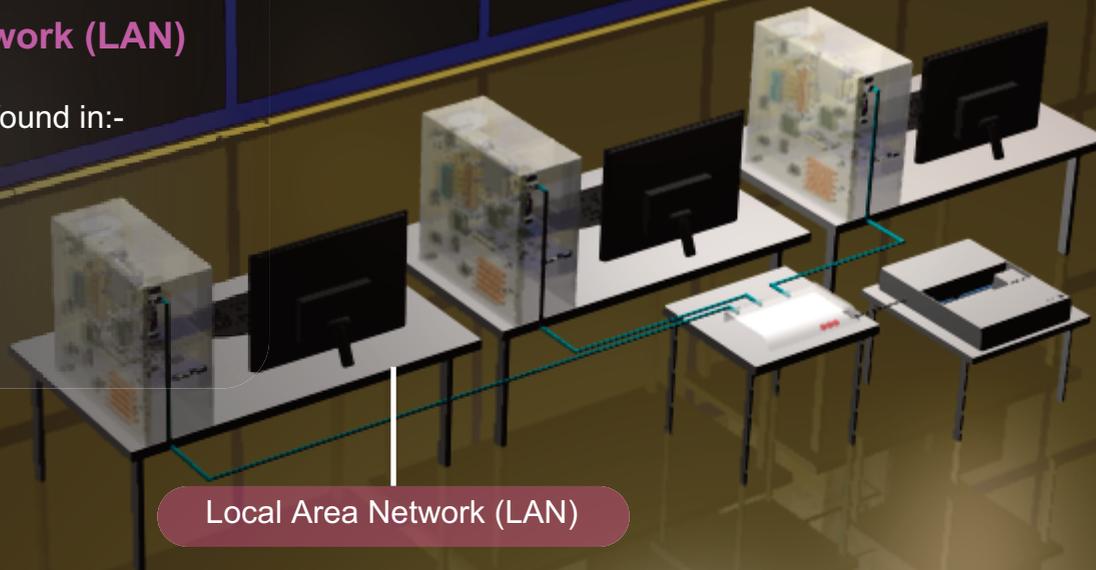
Networks

There are two types of networks that are commonly used.

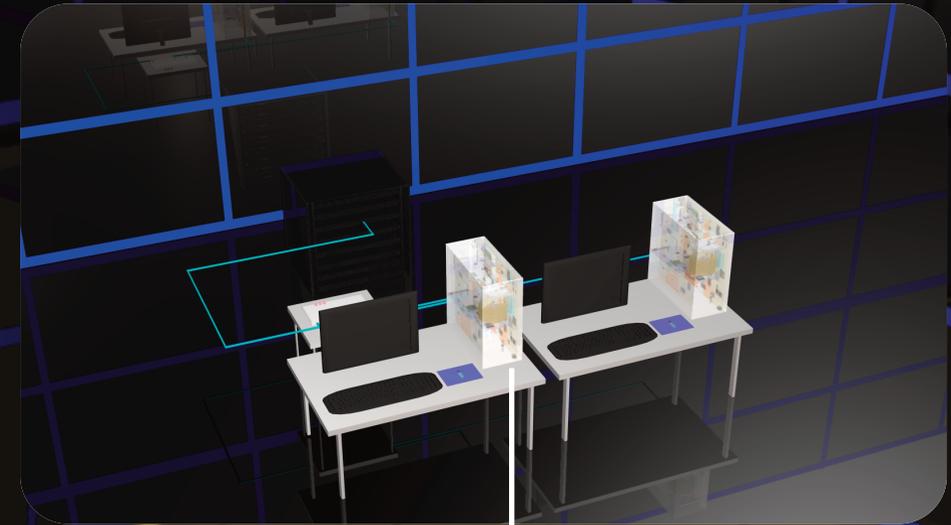
A Local Area Network (LAN)

LANS are commonly found in:-

Offices
Factories
Schools
Hospitals



Local Area Network (LAN)



Local Area Network (LAN)

LAN

A Local area network (LAN) is one that is contained on site, i.e. in an office building or in a school.

WAN

A wide area network (WAN) is one, that is not situated in one building.

It can be computers in offices, that are situated throughout the world.

Internet

The internet is in effect a wide area network.



