

# Internet/Web Basics

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NetworkAppliance®

# What is the Internet?

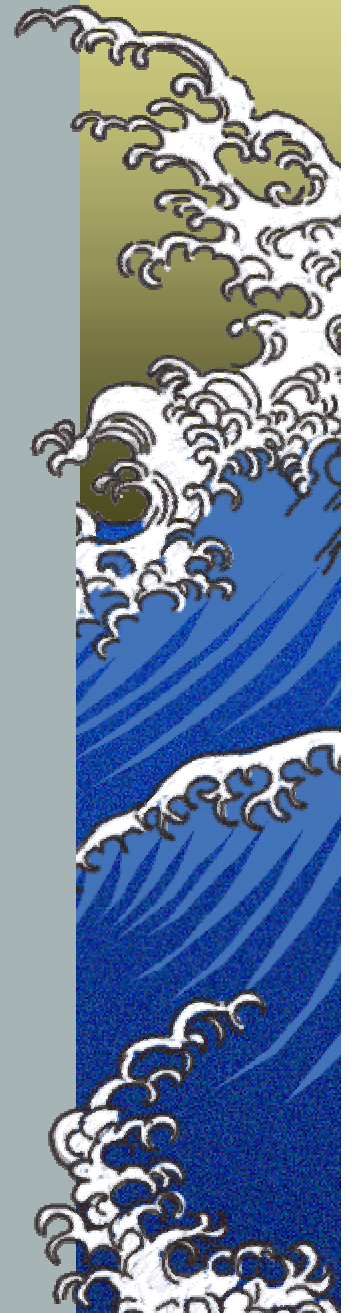
*A World Wide Computer Network*



17-Jan-01

# Definitions

- ▶ *Internet: the largest public Wide Area Network*
- ▶ *Intranet: a private Wide Area Network, with access restricted to those within an organization*
- ▶ *Extranet: a private Wide Area Network for a group of companies or organizations*
- ▶ *World Wide Web: a huge collection (all) of the HTML documents that link to other documents*

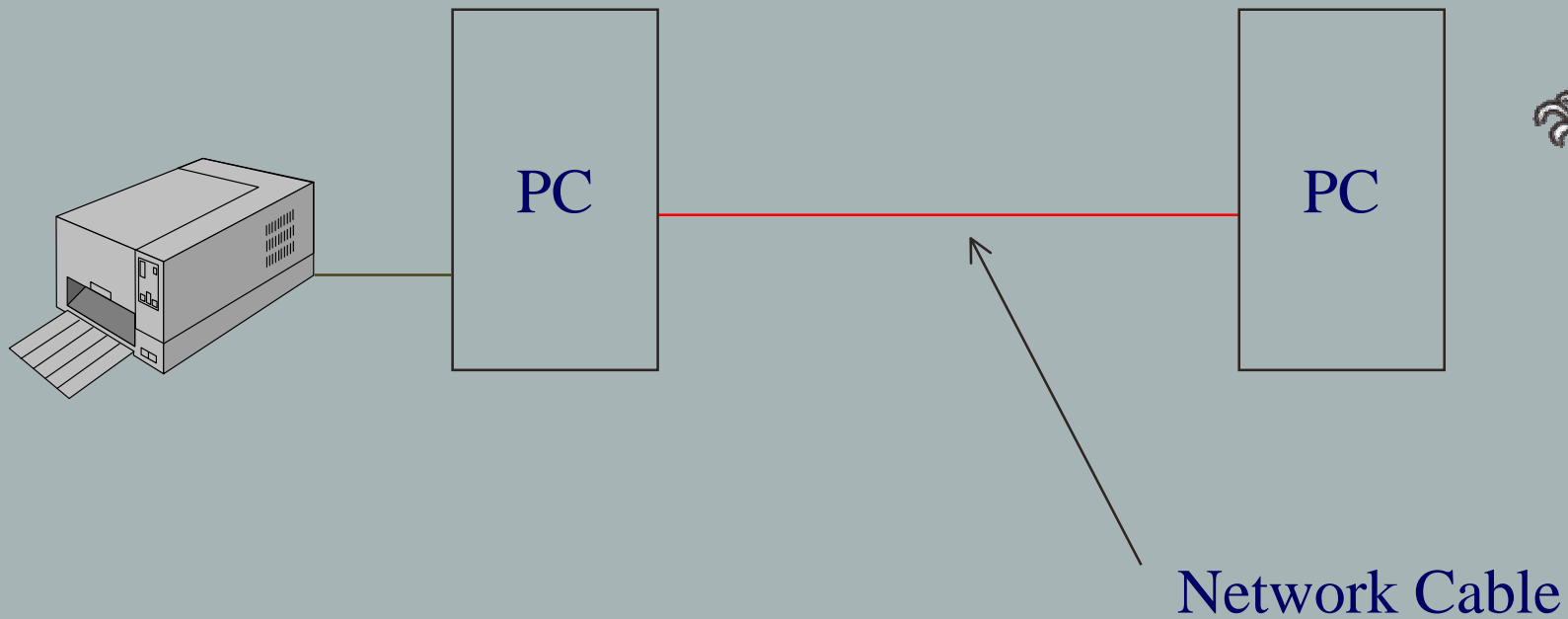


# What is a Network?

- ▶ *Networking is Communicating*
- ▶ *Three Types of Computer Networks*
  1. *Peer to Peer*
  2. *Local Area Network*
  3. *Wide Area Network*

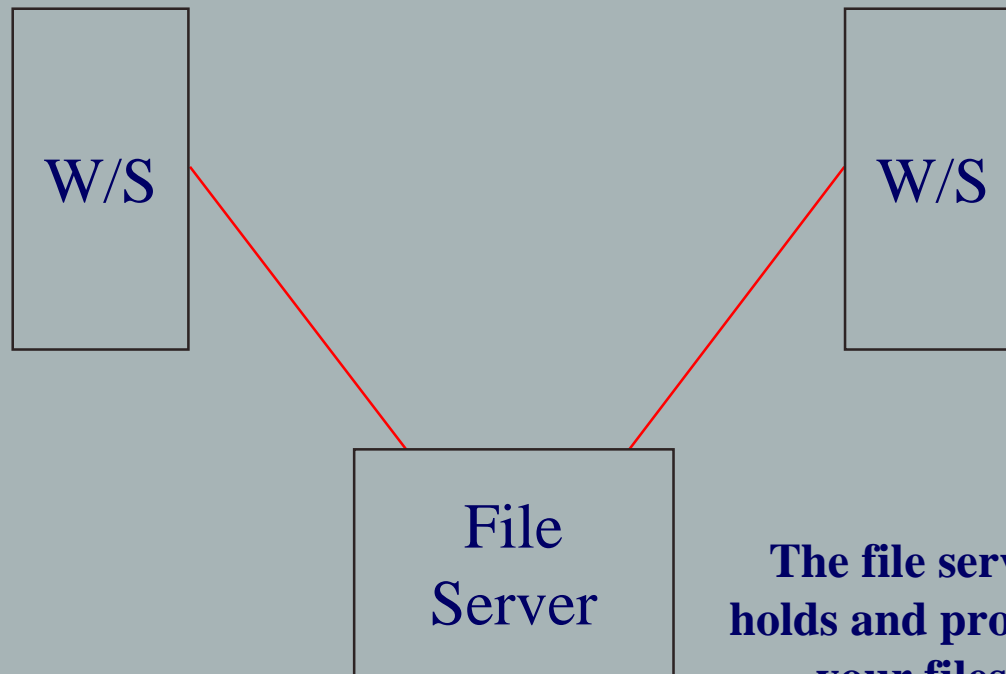


# 1. Peer to Peer

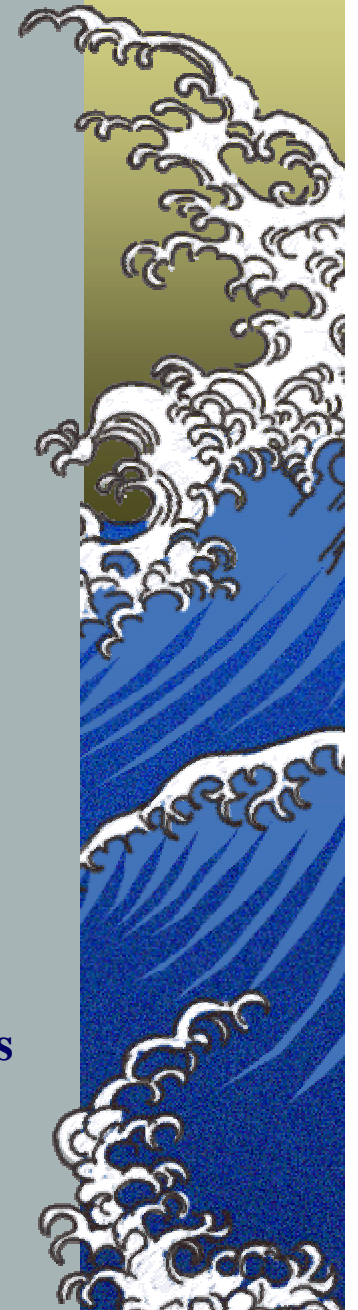


## 2. Local Area Network (LAN)

**The computing is  
done on the PC's.**

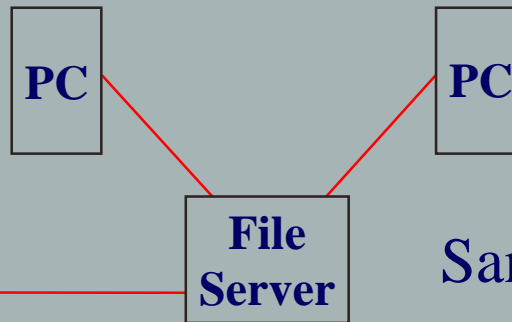
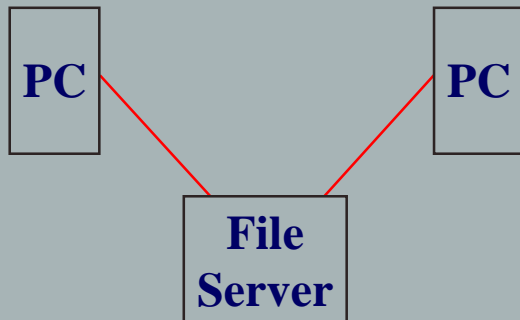


**The file server  
holds and protects  
your files.**



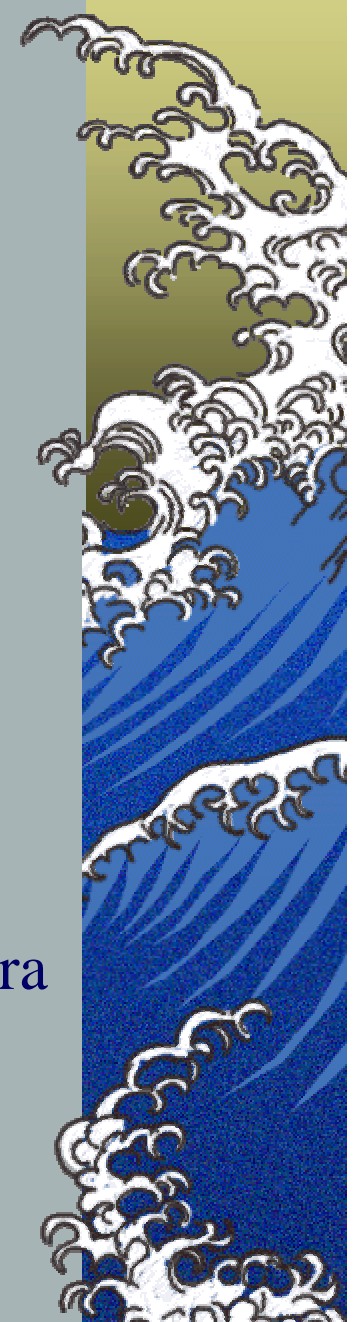
# 3. Wide Area Network

Sunnyvale



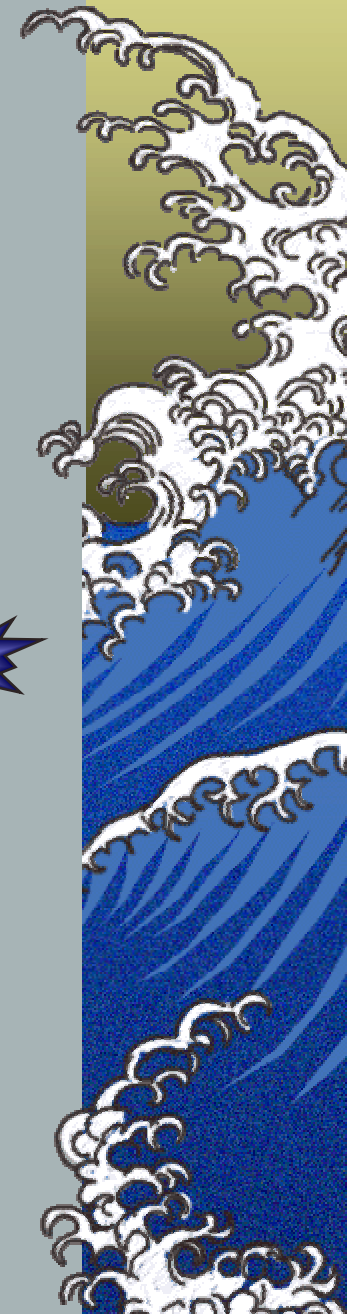
Santa Clara

Leased phone lines



# So what is the Internet?

*The Largest Public Wide Area Network*



# Basic Technologies

- ▶ *TCP/IP : Transport Control Protocol/Internetworking Protocol. Enables one computer to address and send data to another. IP handles addressing and TCP ensures delivery.*
- ▶ *FTP: File Transfer Protocol. Service capable of moving files from one computer to another.*
- ▶ *SMTP: Simple Mail Transport Protocol. The basis for Internet e-Mail.*



# What is on the Internet?

- ▶ *World Wide Web Sites*
- ▶ *File Transfer Protocol Sites*
- ▶ *E-mail*
- ▶ *Telnet*



