Chapter 1
TCP/IP
Transmission Control Protocol/Internet Protocol

A networking standard.

Defines how two computers communicate.

Standards set by the Internet Activities Board.

You want an to belong to the internet,
you follow the standards.

RFC (Request For Comments): Proposed/actual
standards.

RFC types: experimental, ... mandatory

RFCs also specify applications built using TCP/IP.

Other network protocols

Appletalk/Ethertalk: Apples

Novell Netware: DOS machines (IPX)

NetBIOS: Old Microsoft protocol

SNA: (System Network Architecture) IBM mainframes.

Pronet: Private company (Business class machines)

Banyan Vines: DOS machines

OSI: (Open System Interconnect) a standard from the International Standards Organization

Programs Available on the Internet

Standard applications: Defined in RFCs

> telnet, ftp, mail, finger, ssh

Other applications: Defined by users, companies, schools

> oracle, xhost, www

Other standards: May be built on TCP/IP or on other network protocol.

> network file system