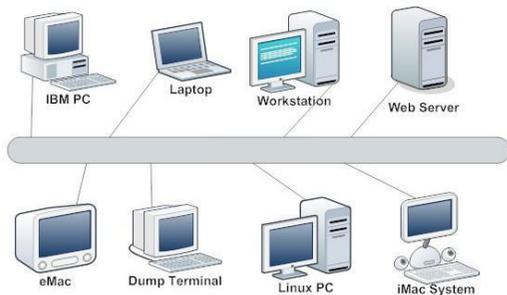
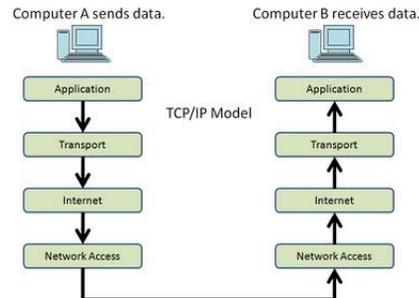


Key Words:

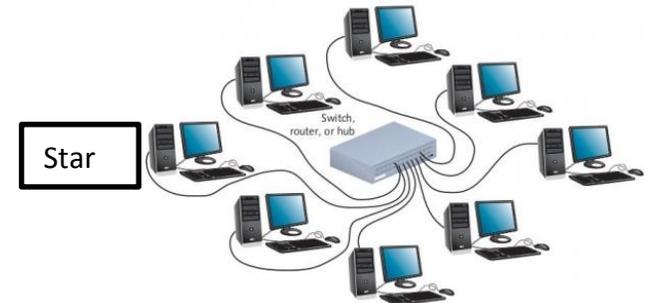
PAN	<u>Personal Area Network</u> , used to connect one device to another, usually via Bluetooth	WAN	<u>Wide area network</u> (e.g. Internet, NHS, Lots of LANs connected together)	FTP	<u>File Transfer Protocol</u> Used when transferring files between a client and a server on a computer network.
Packet	Around 512 bytes, contains: IP address (source & Destination), Sequence number of the packet, number of total packets, error checking data	SMTP	<u>Simple Mail Transfer Protocol</u> Used for the transfer of emails from one email server to another	Bluetooth	A Wireless protocol that uses short range radio waves over distances up to 10meters.
LAN	<u>Local Area Network</u> (e.g. School) 2 or more computers connected together over a small geographical area	IMAP	<u>Internet Message Access Protocol</u> Stores email messages on a server but allows users to view and manipulate the messages as if they were stored on their own computers	Protocol	A set of rules which determine how two devices communicate with each other
TCP	<u>Transmission Control Protocol</u> Defines how messages are broken up into packets and reassembled at the destination, also detects errors and resends lost packets	IP Address	An identifying number for a piece of network hardware. Every device that is connected to a network must have one e.g. 192.168.0.1	HTTP	<u>Hyper Text Transfer Protocol</u> Defines how messages are formatted and transmitted and what actions web servers and browsers should take when they receive one.
Wi-Fi	<u>Wireless Fidelity</u> A protocol that determines how two devices communicate with each other wirelessly	UDP	<u>User Datagram Protocol</u> Maintains an open connection between users on the network, often used in online gaming sessions	HTTPS	<u>Hyper Text Transfer Protocol Secure</u> Same as above but the communications between the web server and browser are encrypted
Ethernet	A protocol that determines how two wired devices communicate with each other.	Router	A networking device that forwards data packets between computer networks.	Network	Two or more computers connected together for the purpose of sharing resources



Bus



TCP/IP Model



Star