

Unit 1 – Chapter 2 vocab listing

- IETF - Internet Engineering Task Force - develops and promotes voluntary Internet standards and protocols, in particular the standards that comprise the Internet protocol suite (TCP/IP).
- Internet - A group of computers and servers that are connected to each other.
- Net Neutrality - the principle that all Internet traffic should be treated equally by Internet Service Providers.
- IP Address - A number assigned to any item that is connected to the Internet.
- Packets - Small chunks of information that have been carefully formed from larger chunks of information.
- Protocol - A set of rules governing the exchange or transmission of data between devices.
- TCP - Transmission Control Protocol - provides reliable, ordered, and error-checked delivery of a stream of packets on the internet. TCP is tightly linked with IP and usually seen as TCP/IP in writing.
- DNS - The service that translates URLs to IP addresses. DNS - The service that translates URLs to IP addresses.
- HTTP - HyperText Transfer Protocol - the protocol used for transmitting web pages over the Internet
- URL - An easy-to-remember address for calling a web page (like www.code.org).

- Latency - Time it takes for a bit to travel from its sender to its receiver

- Heuristic - a problem solving approach (Algorithm) to find a satisfactory solution where finding an optimal or exact solution is impractical or impossible

- Lossy Compression - a data compression method that uses inexact approximations, discarding some data to represent the content.

- Lossless Compression - a data compression algorithm that allows the original data to be perfectly reconstructed from the compressed data

- Router: a computer which receives messages travelling across a network and redirects them towards their intended destinations based on the addressing information included with the message

- Packet: Small chunks of information that have been carefully formed from larger chunks of information.

- Abstraction: Reducing information and detail to focus on essential characteristics.

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