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F18111051   TE Comp 1

Assignment 4 (B)

Q1 Explain Packet Tracer

Ans Packet tracer is a cross platform visual simulation tool designed by CISCO systems that allows users to create network topologies and imitate modern computer networks. The software allows users to simulate the configuration of CISCO routers and switches using a simulated command line interface. Packet tracers makes use of drag and drop user interface allowing users to add and remove simulated network devices as they see fit.

Q2 Explain packet tracer tools.

Ans The packet tracer tools are:
1] Copy
2] Paste
3] Undo
4] Redo
5] Zoom In
6] Zoom out
7] Palette
8] Zoom Reset
9) Cluster function
10) Move function.

Q3 Explain header format of packet tracer

Ans Version: A 4bit field which identifies IP version

Length: A 4 bit field containing the length of IP. header.

Type of Service: Never used

IP Precedence: Identify the level of service a packet receiv

Differentiated Services Code Point: Elimination of the TOS bits.

Total Length: Specifies the length.

Identifier, flags and fragment offset: These fields are used to fragment and resemble packets

Time to Live: Decides when the packet should be discarded.

Protocol: Used for application identification

Q4 Explain wireshark

Ans Wireshark is a packet sniffer and analysis tool. It captures network traffic on the local network and stores that data for offline analysis. Wireshark is used for deep inspection of hundreds of protocols with more being added all the time. It has a standard three pane packet browser. It can run on any platform.