

# SPPU-TE-COMP-CONTENT - KSKA Git

Q1. Which are Application Layer Protocols?

The application layer protocols include:

1. TELNET (Teletype Network)
2. FTP (File Transfer Protocol)
3. TFTP (Trivial File Transfer Protocol)
4. NFS (Network File System)
5. SMTP (Simple Mail Transfer Protocol)
6. LPD (Line Printer Daemon)
7. X window
8. SNMP (Simple Network Management Protocol)
9. DNS (Domain Name <sup>System</sup> ~~Server~~)
10. DHCP (Dynamic Host Configuration Protocol)

Q2. What is Packet Tracer?

Ans. Packet Tracer is a cross-platform visual simulation tool designed by Cisco Systems that allows users to create network topologies and emulate modern computer networks.

- The software allows users to simulate the configuration of Cisco routers and switches using a simulated line interface.
- Packet Tracer makes use of a drag and drop user interface, allowing users to add and remove simulated network devices as they see fit.
- The software is mainly focused towards Cisco Networking Academy students as an educational tool for helping them learn fundamental CCNA concepts.
- Packet tracer can be run on Linux, Microsoft Windows, macOS.

Q3. What parameters you consider to analyze the performance of HTTP, HTTPS, FTP protocols using

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packet tracer?

Ans.

→ Analyzing Site Traffic:

- To show you the traffic level for a given site over a selected period of time.

• Step 1:

choose Analyze > Traffic > Site.

• Step 2:

To change the data to see the top application traffic coming into a specific site, out of a specific site.

• Step 3:

- To see site conversations about the conversation between sites to pinpoint specific applications on our sites, select the site conversations.

→ Analyzing application traffic:

- To show you the traffic level for a given application over a selected period of time.

• Step 1

Choose Analyze > Traffic > Application

• Step 2

To see data for a different time interval when ~~no~~ data for select time interval displays.