

## Web Protocols -

### TCP/IP :

\* HTTP - How data is transferred

\* DHCP - Allocates addresses to your devices that are connected to your network.

\* File Transfer protocol -

How the files can be transferred.

\* SMTP - Simple mail transfer protocol

How emails work. This is used to send email.

POP3 and IMAP - To receive email

\* SSH - Secure Shell -

If you want to login to a computer of someone else,

You can use SSH.

\* VNC - Virtual Network Computing

used for graphical control

\* Telnet -

Terminal emulation that enables a user to connect to a remote host or a device using Telnet client.

usually port no - 23

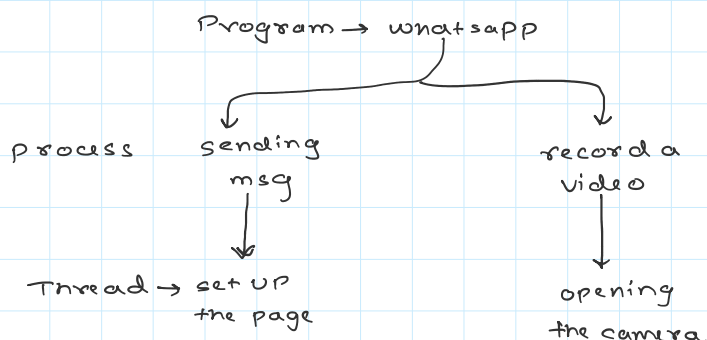
It enables users to manage account remotely.

\* UDP - connectionless session

data maybe lost in this.

Q → How do application communicate with each other?

→ So,



a thread do 1 single job at a time.

But a process consists of multiple threads.

Thread → set up  
the page

↓  
opening  
the camera

multiple threads.

## Sockets -

when you need to send messages  
from 1 system to another system  
we can use sockets.

It is the 'interface between  
processes and internet.

## Ports -

There may be multiple Tabs  
running in a browser. and if we  
sent message from a particular  
Tab. How would we receive msg  
on that particular Tab?

This is where Ephemeral ports  
are used

↓  
It will assign random  
number to different tab/  
application. once process is  
done. The port will be free.