

Day - 2

7

## IP Address : (Internet Protocol)

→ IP Address numerical identify for identifying computers and communicating.

IP Address has two functions:

1.) Host (Or) network interface identification.

it is mediator

Eg: If we call to a person, the call will go to nearest tower then to person.

mediator → Host (or) Network interface

2.) location addressing

⇒ It is the range for identifying on which it belongs

I.P

Network interface -

### Types of IP Address

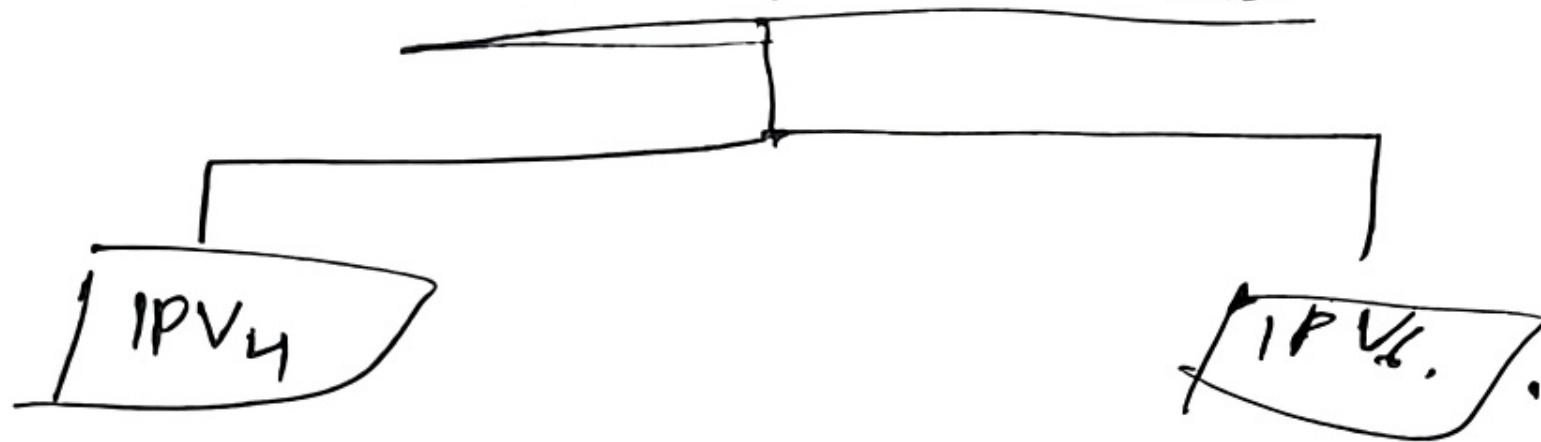
+ static

Dynamic

Irrespective of location IP address won't change.

ip address changes with location

## Versions of IP Addresses.



- It has 4 sections
- uses 32 bit
- the possible variations
- 4-2 billion
- manual config
- uses 128 bit
- 340 undecillion address
- Auto config

## External & Internal IP Address

External: external (or) local IP address is used across entire internet to locate computer systems and devices

Internal: a local (or) internal IP address is used inside a private network to locate computers and devices connected to it

## DNS

human understandable name assigned to an IP address.

## Parts of domain name:

- Top level Domain.
- Authoritative Domain
- Sub domain
- Root domain