

What is difference between Static IP address and Dynamic IP address?

Static IP Address:

A static IP address is an address that is permanently assigned to you by your ISP. It is called static because it does not change over time unless manually reconfigured by an administrator. Some common use cases for static IP addresses include web servers, email servers, DNS servers, and remote access services. Static IPs are manually configured in the device's network settings or assigned by a network administrator.

Dynamic IP Address:

A dynamic IP address is an IP address that is automatically assigned by a Dynamic Host Configuration Protocol (DHCP) server whenever a device connects to a network. The DHCP server manages a pool of available IP addresses and leases them to devices for a certain period. Dynamic IP addresses are temporary and subject to change whenever the DHCP lease expires or the device reconnects to the network.