

Difference between Private and Public IP addresses

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Private IP address of a system is the [IP address](#) which is used to communicate within the same network. Using private IP data or information can be sent or received within the same network. **Public IP address** of a system is the IP address which is used to communicate outside the network. Public IP address is basically assigned by the ISP (Internet Service Provider).
Difference between Private and Public IP address:

PRIVATE IP ADDRESS	PUBLIC IP ADDRESS
Scope is local.	Scope is global.
It is used to communicate within the network.	It is used to communicate outside the network.
Private IP addresses of the systems connected in a network differ in a uniform manner.	Public IP may differ in uniform or non-uniform manner.
It works only in LAN.	It is used to get internet service.
It is used to load network operating system.	It is controlled by ISP.
It is available in free of cost.	It is not free of cost.
Private IP can be known by entering “ipconfig” on command prompt.	Public IP can be known by searching “what is my ip” on google.
Range: 10.0.0.0 – 10.255.255.255, 172.16.0.0 – 172.31.255.255, 192.168.0.0 – 192.168.255.255	Range: Besides private IP addresses, rest are public.
Example: 192.168.1.10	Example: 17.5.7.8

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