


IP ADDRESS VS MAC ADDRESS



Are you in a hurry **save it** and move ahead



Both the MAC address and IP address are used to **uniquely identify** a machine on the internet.

The MAC address is provided by the **chip maker** while the IP address is provided by the **internet services provider**



DEFINITION

MAC address stands for media access control address

IP address stands for internet protocol address



USAGE

MAC address ensures that the physical address of the computer is unique

IP address is a logical address of the computer and is used uniquely locate computer connected via a network



FORMAT

MAC address is of six-byte hexadecimal address

IP address is of 4 bytes or of 16 bytes



ACCESS PROTOCOL

MAC address can be retrieved
using ARP protocol

IP address can be retrieved using
RARP protocol



PROVIDER



Chipmaker manufacturer provides the MAC address

Internet services provider, ISP provides the IP address



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