(**I**nternet **P**rotocol**CONFIG**uration) A command line utility that is used to display and manage the IP address assigned to the machine. In Windows, typing **ipconfig** without any parameters displays the computer's currently assigned IP, subnet mask and default gateway addresses.

A ping (Packet Internet or Inter-Network Groper) is a basic [Internet](https://www.techtarget.com/whatis/definition/Internet) program that allows a user to test and verify if a particular destination [IP address](https://www.techtarget.com/whatis/definition/IP-address) exists and can accept requests in computer network administration. The acronym was contrived to match the submariners' term for the sound of a returned sonar pulse.

The **tracert command** (in Windows) or **traceroute command** (in Linux or Mac) is a network analysis tool that can be used to know the path a packet goes through or follows from the source to destination.

tracert www.educative.io

The name server lookup (nslookup) command-line tool finds the [**internet protocol (IP) address**](https://www.hostinger.com/tutorials/what-is-ip-address) or [**domain name system**](https://www.hostinger.com/tutorials/what-is-dns) (DNS) record for a specific hostname. This command also supports [**reverse DNS lookups**](https://www.hostinger.com/tutorials/what-is-a-ptr-record-and-how-to-do-reverse-ip-lookup) by inputting the IP addresses of the domains to be looked up.

nslookup domainname.tld dns.server.ip.address