

LAB: Assignment
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Objective: To understand some Networking Commands

hostname	ipconfig	getmac	ping	arp
nbtstat	route	path	pathping	netstat
tracert	nslookup			

Practice the command mentioned in above table and fill in the blanks below:-

Command	Working
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1. **Ping** command is one of the most often used networking utilities for detecting devices on a network and for troubleshooting network problems.
2. **Hostname** command that displays the host name of your machine
3. **Ipconfig** is a frequently used utility that is used for finding network information about your local machine like ip addresses, dns addresses etc.
4. **NBTstat** diagnostic tool for troubleshooting netbios problems
5. **Netstat** is used for displaying information about TCP and UDP connections and ports.
6. **Getmac** command that shows the mac address of your network interfaces
7. **Arp** for showing the **address resolution cache**. This command must be used with a command line switch **-a** is the most common.
8. **Tracert** command prints the path. if all routers on the path are functional, this command prints the full path.
9. **Path** command specifies the location where ms-dos should look when it executes a command.
10. **Route** command allows you to make manual entries into the network routing tables.
11. **Pathping** after sending out packets from you to a given destination, it analyzes the route taken and computes packet loss on a per-hop basis.