

TCP/UDP Ports

Port States:

1. OPEN

- There is an application that's listening on an OPEN port. We can communicate with that application.
- An OPEN port responds back to the source.
- We can list open ports using [netstat](#) command (Windows and Linux).

2. CLOSED

- There is no application that's listening on a CLOSED port.
- A CLOSED port responds too, with **TCP Reset** for TCP traffic and with **ICMP Port Unreachable** for UDP traffic.

3. FILTERED/STEALTH

- A firewall is dropping any packet. The port can be OPEN or CLOSED on the host, but we can't communicate with it.
- A FILTERED port doesn't respond back.