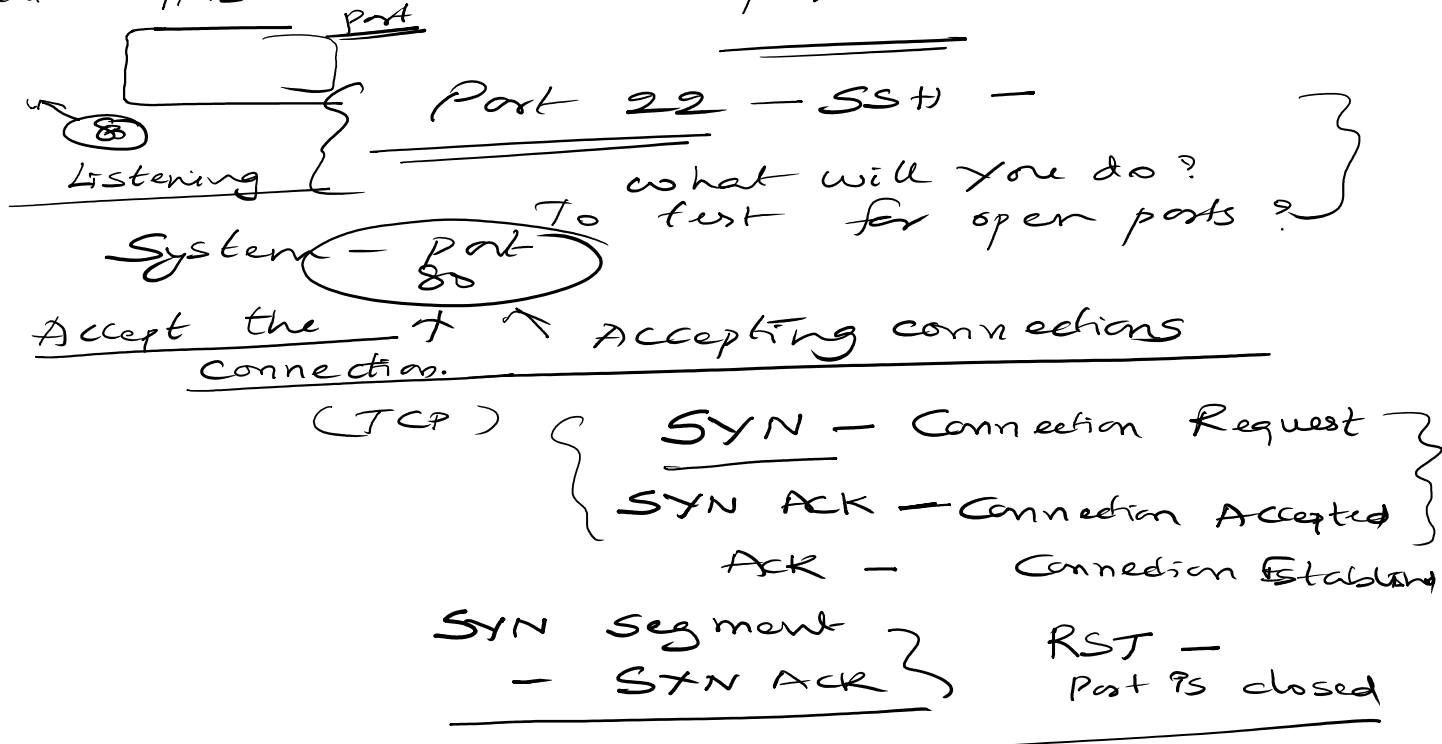


Ports .

How do you know which ports are open ?

Host / server — which ports are open?
what happens when a which ports are closed?



SYN segment to all the ports
- SYN ACK
- Port is open

RST
Port is closed
not used /
Refusing
connections.

Tool - nmap - Methodology used
by nmap - Scans your
network / hosts and
finds open ports

SYN - nmap - Same method

- Normal / port scan

- { SYN segment
- SYN - ACK
- ACK - } Establish a
connection on
the port

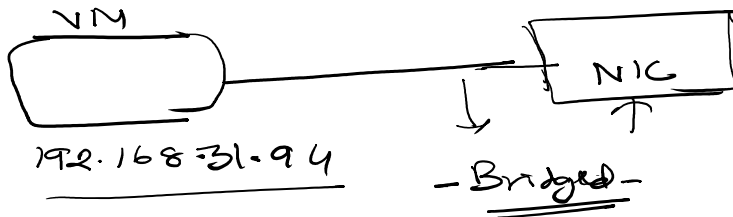
- Stealth scan - open / not

the port
- Stealth scan - open / not

Secure a port - SYN scan } Port is open
- close the port - SYN-ACK
- Prevent any RST segment - Not connected
unauthorized connections.

- OS fingerprinting
- If not in use, close the port
nmap scan - You can determine the OS /
nmap - To find the OS

closed /
Not allowing
people



{ 192.168.31.94 / 24
192.168.31.2 / 24
Are on the same subnet
communicate with each other

