

5. Find the IP address of your target board. Find a tool / mechanism to a certain if your host and target machines are connected.

- Finding the IP address of the board

\$ ifconfig

```
desd@desd-OptiPlex-5050:/$ ifconfig
enp0s31f6: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.76.108 netmask 255.255.255.0 broadcast 192.168.76.255
    inet6 fe80::9228:b740:99dd:a591 prefixlen 64 scopeid 0x20<link>
    ether 50:9a:4c:37:8e:71 txqueuelen 1000 (Ethernet)
    RX packets 2290093 bytes 1602864015 (1.6 GB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1238531 bytes 168390267 (168.3 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 20 memory 0xf7100000-f7120000

enxe415f6f38f96: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.7.1 netmask 255.255.255.0 broadcast 192.168.7.255
    inet6 fe80::5ac7:ae93:aef1:8ff prefixlen 64 scopeid 0x20<link>
    ether e4:15:f6:f3:8f:96 txqueuelen 1000 (Ethernet)
    RX packets 246 bytes 35855 (35.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 254 bytes 35397 (35.3 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 124641 bytes 12026979 (12.0 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 124641 bytes 12026979 (12.0 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

- Host and target connection check

\$ ssh debian@192.168.7.2

```
desd@desd-OptiPlex-5050:/$ ssh debian@192.168.7.2
Debian GNU/Linux 12
1.png
BeagleBoard.org Debian Bookworm IoT Image 2023-10-07
Support: https://bbb.io/debian
default username:password is [debian:temppwd]

debian@192.168.7.2's password:

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Oct  7 20:30:22 2023 from 192.168.7.1
```