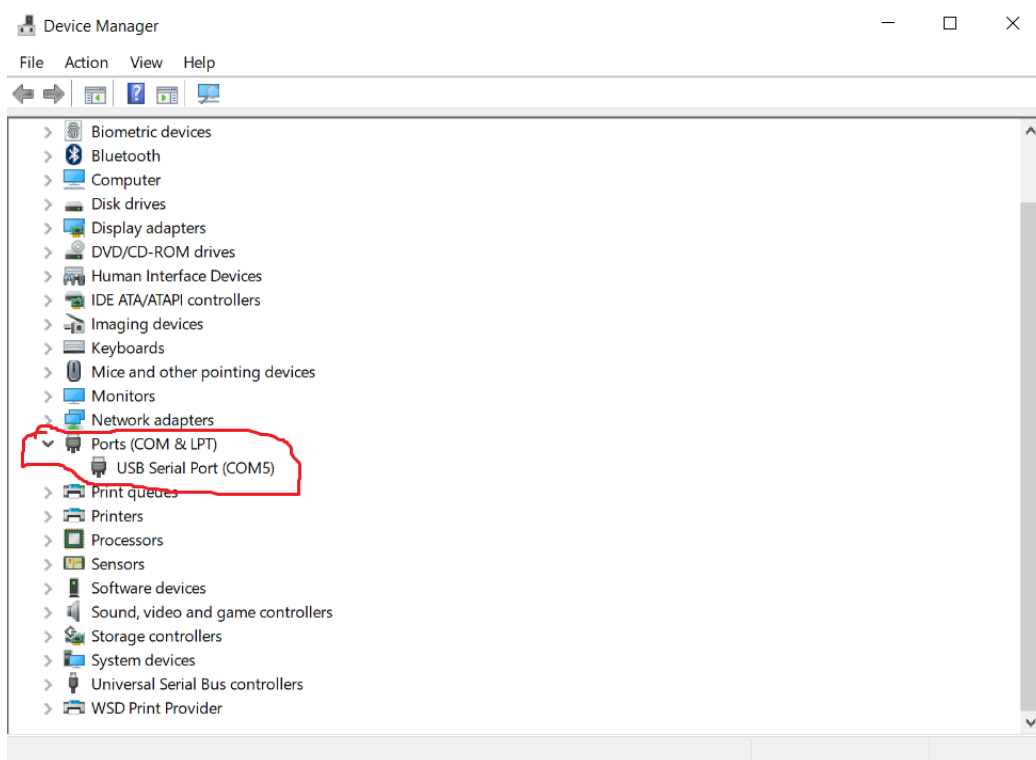
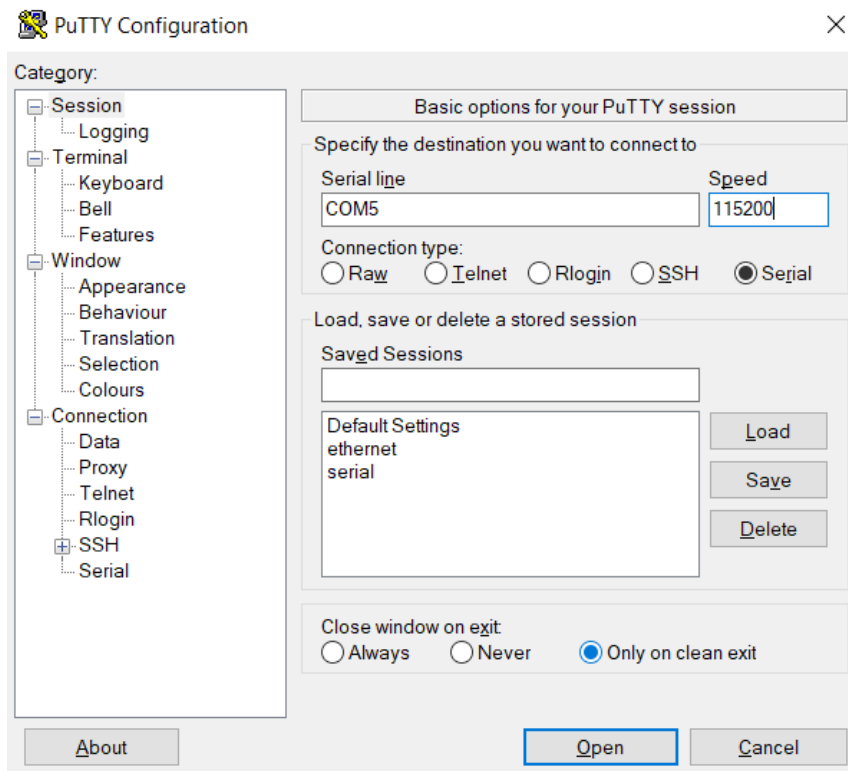


Instructions to Connect to Galileo from PC via Ethernet

- 1) Connect Galileo and Computer to Ethernet.
- 2) Connect Galileo to Computer via COM (USB).
- 3) Find COM # based on „Device Manager“.



- 4) Open „putty.exe“.
- 5) Go to „Serial“ tab. Under „Serial line“, put COM #. Under „Speed“, put „115200“.



6) Press enter to begin logging in to terminal. Login as „root“ and for password, put „Bruins33“.

7) In terminal, type „/sbin/ifconfig“ and read the „inet addr“ property, which is the IP address.

COM5 - PuTTY

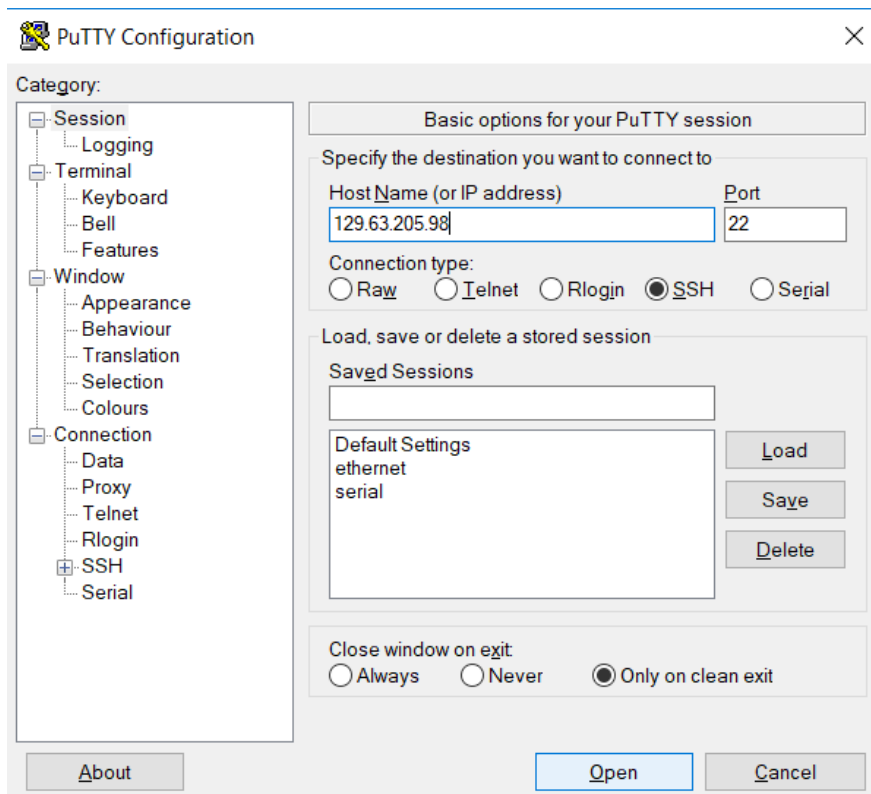
```
galileo login: root
Password:
root@galileo:~# /sbin/ifconfig
enp0s20f6 Link encap:Ethernet HWaddr 98:4F:EE:05:63:DF
inet addr:129.63.205.98 Bcast:129.63.205.255 Mask:255.255.255.0
inet6 addr: fe80::9a4f:eeff:fe05:63df/64 Scope:Link
UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1
RX packets:20825 errors:0 dropped:85 overruns:0 frame:0
TX packets:5111 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:3002319 (2.8 MiB) TX bytes:1077517 (1.0 MiB)
Interrupt:50 Base address:0x4000

lo Link encap:Local Loopback
inet addr:127.0.0.1 Mask:255.0.0.0
inet6 addr: ::1/128 Scope:Host
UP LOOPBACK RUNNING MTU:65536 Metric:1
RX packets:167 errors:0 dropped:0 overruns:0 frame:0
TX packets:167 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:0
RX bytes:13296 (12.9 KiB) TX bytes:13296 (12.9 KiB)

wlp1s0 Link encap:Ethernet HWaddr 00:21:6A:A5:FA:5E
UP BROADCAST MULTICAST MTU:1500 Metric:1
RX packets:0 errors:0 dropped:0 overruns:0 frame:0
TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
collisions:0 txqueuelen:1000
RX bytes:0 (0.0 B) TX bytes:0 (0.0 B)

root@galileo:~#
```

- 8) Exit and re-connect „putty.exe“ using different options this time. Unplug USB connection.
- 9) Go to SSH tab. Under „Host Name (or IP address)“, put the IP address. Under „Port“, put „22“.



- 10) Wait a bit and login again. You are now connected wirelessly with the Galileo. Use „pscp.exe“ for file transfer on Windows. Look at „/Lab 3/CONTRIBUTING.txt“ for more information. This executable is referenced relatively because it is located in the parent directory.

To transfer files from local „/Lab 3/to Galileo“ to Galileo’s „/home/root/Documents/from PC“

```
SET "local=.\to Galileo"
SET "target=/home/root/Documents/from PC"
SET "IP=[IP address of Galileo]"
SET "PASS=[password of Galileo]"
..\pscp -pw %PASS% "%LOCAL%\*" "root@%IP%:%target%"
```

To transfer files from Galileo „/media/card/to PC“ to local „/Lab 3/from Galileo“ :

```
SET "local=.\from Galileo"
SET "target=/media/card/to PC"
SET "IP=[IP address of Galileo]"
SET "PASS=[password of Galileo]"
..\pscp -pw %PASS% "root@%IP%:%target%/*" "%local%"
```