**Ros network configuration**

I need to connect 5 devices to the same Wi-Fi network.

The first step is to find out the IP address of each device by using the `$ ifconfig` command.



For example:

- Device 1 IP: 192.168.1.4

- Device 2 IP: 192.168.1.5

- Device 3 IP: 192.168.1.6

- Device 4 IP: 192.168.1.7

- Device 5 IP: 192.168.1.8  
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The second step is to designate one device as the master to run the mastercore and view the game screen from it, while the others will be slaves, with each slave controlling the movement of a turtle.

For example, we’ll make Device 1 the master and the others slaves.

I'll write in the terminal of Device 1 (Master):



To access the bashrc file.  
  
# Add these two lines

export ROS\_MASTER\_URI=http://192.168.1.4:11311 #Master device IP

export ROS\_IP=192.168.1.4 #Master device IP

I'll write in the terminal of Device 2 (slave 1):



To access the bashrc file.  
  
# Add these two lines

export ROS\_MASTER\_URI=http://192.168.1.4:11311 #Master device IP

export ROS\_IP=192.168.1.5 #slave 1 device IP

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I'll write in the terminal of Device 3 (slave 2):



To access the bashrc file.  
  
# Add these two lines

export ROS\_MASTER\_URI=http://192.168.1.4:11311 #Master device IP

export ROS\_IP=192.168.1.6 #slave 2 device IP

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I'll write in the terminal of Device 4 (slave 3):



To access the bashrc file.  
  
# Add these two lines

export ROS\_MASTER\_URI=http://192.168.1.4:11311 #Master device IP

export ROS\_IP=192.168.1.7 #slave 3 device IP

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I'll write in the terminal of Device 5 (slave 4):



To access the bashrc file.  
  
# Add these two lines

export ROS\_MASTER\_URI=http://192.168.1.4:11311 #Master device IP

export ROS\_IP=192.168.1.8 #slave 4 device IP

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