

RosMaster & Slave

Introduction of RosMaster

1. Steps

1.1 Network Setup

1.1.1 Configure machine name

1.1.2 Setup system variable

Introduction of RosMaster

<http://wiki.ros.org/ROS/NetworkSetup>

<http://wiki.ros.org/ROS/Tutorials/MultipleMachines>

- All details below suits ros system in linux **melodic** distribution release.

1. Steps

1.1 Network Setup

There must be complete, bi-directional connectivity between all pairs of machines, on all ports.

1.1.1 Configure machine name

http://wiki.ros.org/ROS/EnvironmentVariables#ROS_IP.2BAC8-ROS_HOSTNAME

Check host name by ping itself

1.1.2 Setup system variable

Master (Linux PC)

Edit variable by .bashrc file

```
$ gedit .bashrc
```

HostName:

IP address:

```
$ ifconfig
```

Slave (Windows PC)

Edit variable by system variable

HostName:

eriannb124

IP address:

```
$ ipconfig
```

172.21.77.129

ROS_MASTER_URI:

<http://localhost:11311/>

172.21.77.11

ROS_MASTER_URI

<http://172.21.77.129:11311/>

Connect two PC to Internet through Ethernet cable and ping each others to check connectivity