

Ros in Windows

[1. Introduction of ROS in Windows](#)

[2. Tutorials](#)

[3. Common Commands in Windows](#)

1. Introduction of ROS in Windows

Ros usually installed in Linux but can also be installed in Windows for better interfaces.

<http://wiki.ros.org/Installation/Windows>

Follow the instruction to install ROS in C:\opt and make your own workspace.

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

2. Tutorials

https://wiki.ros.org/rosbridge_suite/Tutorials/RunningRosbridge

http://wiki.ros.org/rosbridge_suite/Tutorials/DevelopingRosbridge

2.1 Run ros

```
roscore
```

2.2 Open another terminal

- Setup environment/ Source setup files **<Run in every terminal>**

```
C:\opt\ros\melodic\x64\setup.bat
```

- Create workspace

```
$ mkdir -p ~/catkin_ws/src  
$ cd ~/catkin_ws/  
$ catkin_make
```

2.3 Run your rosfile (such as fmu file)

```
cd C:\Users\erianguest\Desktop\ros (your workspace)
devel\setup.bat (Update ros path if there are new packages)
roslaunch beginner_tutorials add_two_ints_server
roslaunch beginner_tutorials add_two_ints_client
```

2.4 Test rosbridge

<https://msadowski.github.io/ros-web-tutorial-pt1/>

```
cd C:\Users\erianguest\Desktop\ros (your workspace)
catkin_make
devel\setup.bat
roslaunch robot_gui_bridge websocket.launch
```

3. Common Commands in Windows

```
# List down folder and files
$ cd ..
$ dir
```