Creating a ROS Workspace
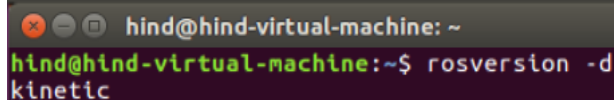
Created by Hind Aljuaid

Before starting, please complete installation as described in the ROS installation instructions

Managing your environment

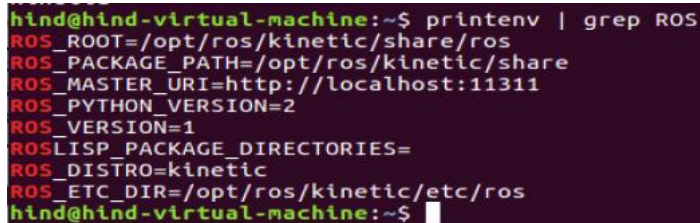1. Type (or copy and paste) the following command then click enter.

```
rosversion -d
```


2. Now type the following command then click enter.

```
printenv | grep ROS
```
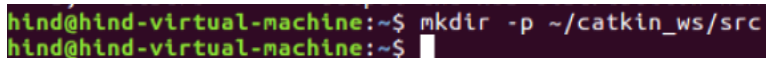

Create a ROS workspace

1. First, type (or copy and paste) the following command then click enter.
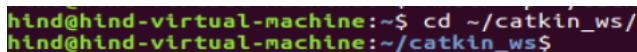
```
mkdir -p ~/catkin_ws/src
```


2. After that, type the following command then click enter.

```
cd ~/catkin_ws/
```

3. Then, type the following command then click enter.

```
catkin_make
```


4. Next, type the following command then click enter.

```
source devel/setup.bash
```


5. Finally, type the following command then click enter.

```
echo $ROS_PACKAGE_PATH
/home/youruser/catkin_ws/src:/opt/ros/kinetic/share
```

Hint: Don't forget to replace the word "youruser" in the previous command with youruser.

References

http://wiki.ros.org/ROS/Tutorials/InstallingandConfiguringROSEnvironment

https://www.youtube.com/watch?v=DMw6XbpGXsI