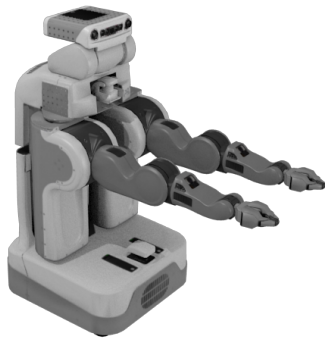


What is ROS

Robot Operating System

Supported by the most robots



PR2



Pioneer



Turtlebot

Requierements

- Linux system (Ubuntu or Debian)
- Existing versions: Kinetik (LTS) and Lunar
- Low requirements for hardware (could be easily set up on Raspberry Pi)

Getting started with ROS

- wiki.ros.org — beginner manuals
- J. M. O`Kane «A gentle introduction to ROS»
- Installation of ROS requires ~2 GB of free space and 20-30 minutes of free time

What is next?

Useful ROS commands:

- `roscd`, `rosls`, `roscd` — work with package by name
- `rospack` — managing current package
- `roslaunch`, `roslaunch` — running scripts with ROS
- To install new packages use
`apt-get install ros-kinetic-pkg_name`