
User manual of RasPy

Release 0.0.1

bibi21000

January 10, 2015

1	Installation	1
1.1	Raspbian	1
1.2	Update packages	1
1.3	Download it	1
1.4	Configure your system	1
1.5	Installation	2
1.6	Run the tests	2
1.7	Start it	2
1.8	Read the doc	2
2	Use it !!	3

Installation

1.1 Raspbian

Install official raspbian from here : <http://www.raspbian.org/>.

Newbies can install it from : <http://www.raspberrypi.org/downloads/>.

Developpers or others can also install it on standard distributions (Ubuntu, Debian, RedHat, ...).

1.2 Update packages

You can now update packages

```
sudo apt-get -y update
sudo apt-get -y dist-upgrade
```

Some packages need to be removed as some new version are available from eggs :

```
sudo apt-get remove python-zmq libzmq1 libzmq3 libzmq3-dev libzmq-dev python-nose2 python-nose py
```

We also need to install some packages :

```
sudo apt-get -y install build-essential python-dev python-minimal python python2.7-dev python2.7-r
```

1.3 Download it

You should now download RasPy using git. You should not download and install RasPy with root user. Ideally, you should create a special user for running RasPy or the pi user. Keep in mind root is baaaddddd.

```
git clone https://github.com/bibi21000/RasPy.git
```

1.4 Configure your system

- access rights
- sudo nopasswd
- ...

1.5 Installation

If you want to develop for RasPy, you need to install it in develop mode :

```
sudo make develop
```

Otherwise install it normally

```
sudo make install
```

Install some missing eggs ... to be sure

```
sudo pip install nose-progressive nose-html
```

1.6 Run the tests

You can now check that everything is fine running the tests :

```
make tests
```

If it fails ... run it again :) At last, copy / paste the full screen output and send it to the core team.

1.7 Start it

In the next monthes, you should be abble to start it :

```
make start
```

1.8 Read the doc

- docs/pdf
- docs/html

Use it !!
