

# **python Roll: Users Guide**

**6.1 Edition**

**python Roll: Users Guide :**

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# Preface

The python Roll installs and configures Python 2.7.2, Python 3.2.2 and NumPy.

Please visit the Python site<sup>1</sup> to learn more about their release and the individual software components.

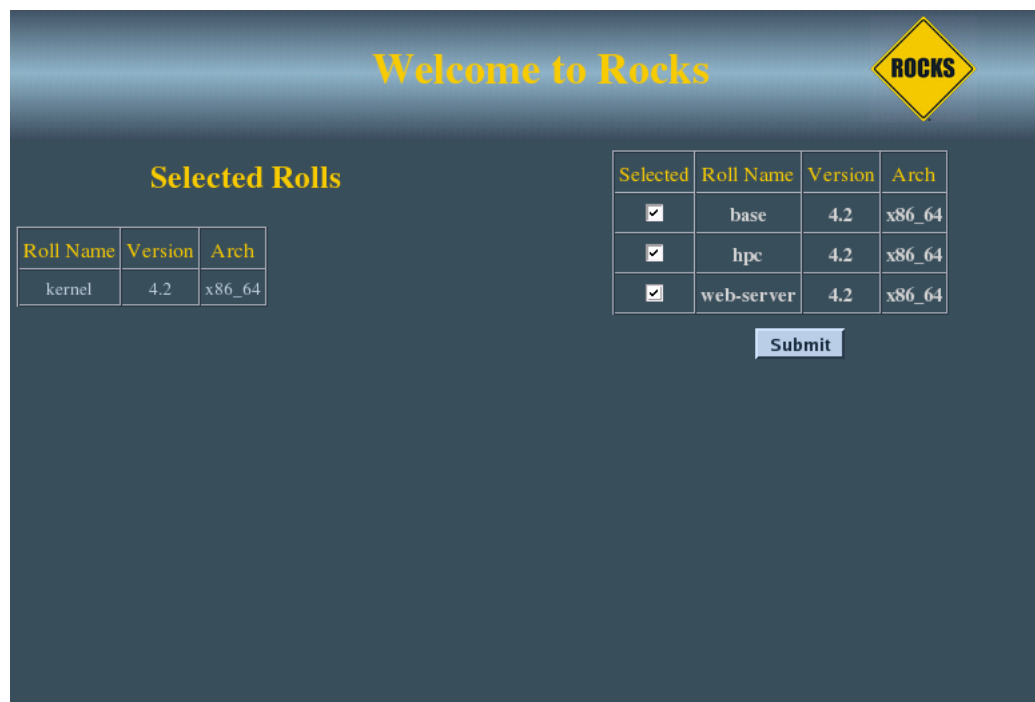
## Notes

1. <http://www.python.org>

# Chapter 1. Installing the python Roll

## 1.1. On a New Server

The python roll should be installed during the initial installation of your server (or cluster). This procedure is documented in section 1.2 of the Rocks® usersguide. You should select the python roll from the list of available rolls when you see a screen that is similar to the one below.



## 1.2. On an Existing Server

The python Roll may also be added onto an existing server (or frontend). For sake of discussion, assume that you have an iso image of the roll called `python.iso`. The following procedure will install the Roll, and after the server reboots the Roll should be fully installed and configured.

```
$ su - root
# rocks add roll python.iso
# rocks enable roll python
# cd /export/rocks/install
# rocks create distro
# rocks run roll python | bash
# init 6
```

# Chapter 2. Using the python Roll

## 2.1. Using the Python Roll

The Python roll installs Python versions 2.7.2 and 3.2.1. These are installed in `/opt/python`.

*Numpy* is compiled and installed with Python 2.7.2.

Tutorials for using python and its components are available from the Python website<sup>1</sup>

### Notes

1. <http://www.python.org>

# Chapter 3. Copyrights

## 3.1. Copyrights

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