

# Installing CASA on Ubuntu and Debian

*Disclaimer: the information in this Knowledge Base article does not reflect official recommendations by the CASA team.*

CASA is available via the CASA homepage NRAO [casa.nrao.edu](http://casa.nrao.edu). Follow the "[Obtaining CASA](#)" link for the latest installation packages and installation instructions.

Currently, CASA is supported for recent versions of Max OSX and LINUX Redhat. We are aware that users managed to run CASA successfully also on other LINUX platforms. While CASA does not support non-Redhat platforms, the below information could still be helpful for users that do not have access to Redhat. Please note that some of the information in this document is unverified and could be outdated - use at your own risk!

## Installing CASA on Ubuntu

The following method worked for Ubuntu 9.04 (Jaunty).

- Download the tarball appropriate for your Linux distribution (from [https://svn.cv.nrao.edu/casa/linux\\_distro/](https://svn.cv.nrao.edu/casa/linux_distro/)), e.g. casapy-30.0.9860-001-64b.tar.gz.
- Install to /usr/local/bin/CASA (or substitute your own directory).

```
sudo mkdir /usr/local/bin/CASA
sudo mv casapy-30.0.9860-001-64b.tar.gz /usr/local/bin/CASA # this is for 64-
bit installation; substitute the appropriate tarball here
cd /usr/local/bin/CASA
sudo tar zxvf casapy-30.0.9860-001-64b.tar.gz
```

- Add the following environment variable to your .bashrc (or the equivalent command for your preferred shell startup script).

```
export PATH=$PATH:/usr/local/bin/CASA/casapy-30.0.9860-001-64b
```

- Test it out!

```
source ~/.bashrc # or open a new terminal
casapy
```

## Installing CASA on Debian

The Ubuntu installation instructions work well for Debian as well. However, if "xvfb" is not installed on your machine, CASA may start with errors like this:

```
OK, no bytes read while starting xvfb, timeout?...15396...
```

```
15390-casaviewer-svr: cannot connect to X server localhost:16.0
```

If so, try this:

```
sudo apt-get install xvfb
```

Then restart CASA and the problem should be solved.

## Hints for Slackware

If you want to install CASA on a slackware system, you may try the following:

- replacing `_hashlib.so` in the `casapy` package with the same library provided with python in slackware 13 (otherwise, a missing dynamic library is needed).
- editing the file `.../casapy.../lib/python2.6/hashlib.py`

line 63

```
(old) import _md5 ----> (new) from _hashlib import openssl_md5
```

line 64

```
(old) return _md5.new ----> (new) return openssl_md5.new
```

- editing the file `.../casapy.../lib/python2.6/site-packages/IPython/genutils.py`

line 50

```
(old) from IPython import DPyGetOpt, platutils ----> (new) import DPyGetOpt, platutils
```