

[Troubleshootings](#)

[General](#)

[Do I need to install QScintilla](#)

[After upgrading SVN, I got an error message](#)

[unrecognized .svn/entries format: skipping .](#)

[error E000022](#)

[python setup.py install does not work \(e.g., moc missing\)](#)

[easy_install \(or ez_setup\) returns an error message related to setuptools](#)

[Windows](#)

[Installing on XP](#)

[Installing on Vista](#)

[ez_setup](#)

[Installation](#)

[Matplotlib and missing DLL msvc71](#)

[R](#)

[Linux](#)

[universe not enable](#)

[under ubuntu 8.10, library libtinfo is missing](#)

[under ubuntu 8.10, library libboost_python.so.3 is missing](#)

[3D Viewer freeze](#)

[Mac](#)

[Error when you run : sudo alea_install_gui](#)

[Python modules](#)

[matplotlib](#)

[VisuAlea](#)

[How to exporting application i.e., running a dataflow as an application](#)

Troubleshootings

edit

1444056578

[Troubleshootings]

section

1-33

General

edit	1444056578	[General]	section	34-53
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Do I need to install QScintilla

No, QScintilla is useful when you want to use the shell in Visualea

edit	1444056578	[Do I need to install QSc	section	54-175
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After upgrading SVN, I got an error message

(posted by T.Cokelaer on 27 August 2009)

unrecognized .svn/entries format; skipping .

When using `python setup.py develop` or `python setup.py bdist_egg`, I get : "unrecognized .svn/entries format; skipping ."

Reason: you've updated SVN and setuptools is not compatible with it.

Effect: when creating eggs, the tag corresponding to the release is always set to 0.

Fix: wait for a new release of setuptools or apply this patch:

```
in setuptools/command/egg_info.py:
-         if data.startswith('8'):
+         if data.startswith('8') or data.startswith('9'):

in setuptools/command/sdist.py:
-     if data.startswith('8'):      # subversion 1.4
+     if data.startswith('8') or data.startswith('9'):
```

This issue has been solved under Fedora Core 11 (Fedora re-packaged their own setuptools?).

error E000022

During SVN checkout/update, you can have the following error:

```
E000022: Can't convert string from 'UTF-8' to native encoding
You can fix it by doing:
```

```
export LC_CTYPE=fr_FR.UTF-8
locale-gen fr_FR.UTF-8
```

You can change language (en_EN, fr_FR, ru_RU?). Then retry SVN checkout/update.

edit

1444056578

[After upgrading SVN,] section

176-1407

python setup.py install does not work (e.g., moc missing)

When you compile the sources (python setup.py install), you may get an error like:

```
Exception: Qt4 command 'moc' not found. Tried: /usr/bin/moc-qt4 and /usr/bin/moc:
```

This mean that you do not have developments tools installed on your sytem. In the case above, you should install the development tools associated to Qt4. Search for your platform in the following link [source distribution](#) and install the packages that are in the **developers tools** section.

easy_install (or ez_alea_setup) returns an error message related to setuptools

If you got this kind of error message:

Traceback (most recent call last):

```
File "ez_alea_setup.py", line 584, in <module>
```

```
    install_setuptools()
```

```
File "ez_alea_setup.py", line 343, in install_setuptools
```

```
    main(sys.argv[1:])
```

```
File "ez_alea_setup.py", line 213, in main
```

```
    pkg_resources.require(req)
```

```
File "/usr/lib/python2.5/site-packages/pkg_resources.py", line 626, in require  
    needed = self.resolve(parse_requirements(requirements))
```

```
File "/usr/lib/python2.5/site-packages/pkg_resources.py", line 524, in resolve  
    raise DistributionNotFound(req) # XXX put more info here
```

```
pkg_resources.DistributionNotFound: setuptools>=0.6c9
```

Reason: This is due to a **setuptools** conflict in the special file **easy_install.pth**. **Solution:** reinstall setuptools.

Get the egg from the website: <http://pypi.python.org/pypi/setuptools#files>

Follow the installation instructions: <http://pypi.python.org/pypi/setuptools#id1> (e.g. under linux type *sh <filename.egg>*)

Windows

Installing on XP

Installation with binary installer 1.1 and 1.2 may lead to unstabilities of the application on XP (unexpected crashes of visualea). In this case, you may use installer 1.0, available on gforge.

edit

1444056578

[Installing on XP]

section

3069-3292

Installing on Vista

Windows Vista add security policy for environment variable modification that can make installation failed. In this case, you may have such message appearing:

The following directories contains shared library :

C:\Python26\Lib\site-packages\shared_libs

The following directories contains binaries :

c:\python26\lib\site-packages\vpplants.plantgl-2.9.4-py2.6-win32.egg\bin

Unexpected error: <type 'exceptions.SystemExit'>

Please check you have permission to install package in the destination directory.

To solve this, you have to deactivate user account control. To do this, you have to do Open Configuration Panel; Choose User Accounts and Family Safety; Then Change security settings; Then uncheck the check box Use User Account Control (UAC) to help protect you computer. You will be ask to reboot. Once rebooted, you can open a shell and type

C:\Python26\Scripts\alea_config.exe

The environment variable should be updated. You can now reactivate the User Account Control by rechecking the check box Use User Account Control (UAC) ? in Configuration Panel. Note that each time you install or update a new package, environment variables have to be updated. Thus you have to redo all this process.

edit

1444056578

[Installing on Vista]

section

3293-4589

ez_alea_setup

With IE (Internet Explorer), when I click on the link ez_alea_setup.py (Step 2) I have a text beginning with:
#!/python ???Bootstrap setuptools installation If you want to use setuptools in your package's setup.py, just include this file in the same ?

? You must download and execute the file

Right click on the link ? *save target as*
When the download is finished, click on **Open**

nota : You can also use Firefox.

edit

1444056578

[ez_alea_setup]

section

4590-5099

Installation

When I start Visualea or the OpenAlea installer, I have an error message like this:

Le point d'entrée de procédure _Z5qFreePv est introuvable dans la bibliothèque dynamique
QtCore4.dll

It means that there is a conflict between different QT4 versions

? Check your PATH environment variable

? For MikTeX / Lyx Users : by default, the installation of Miktex add a directory in the PATH variable. This configuration is not mandatory. Remove it from the PATH variable and restart Visualea.

edit	1444056578	[Installation]	section	
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5100-5663

Matplotlib and missing DLL msvcp71

An error message related to matplotlib appears when trying to run a demo or dataflow that uses matplotlib. The error message complains about a missing DLL (DLL not loaded)

After a fresh install of openalea/visualea, some nodes and/or demos that use matplotlib interface fail with an error message that ends as follow:

```
from matplotlib._nstransforms import *
DLL load failed: Couldn't find one of the files of the library needed
to run this program.
```

Similarly in the python shell, you get an error message that is more specific and mention the missing DLL: msvcp71.dll.

This library is not part of your system. You need to install it manually. The easiest way is retrieve the library from a web site such as <http://www.dll-files.com>. Once done, copy the file msvcp71.dll to c:\windows\system (not system32!)

edit

1444056578

[Matplotlib and missing DLL] section

5664-6550

R

After a fresh installation, demos (such as fractalysis, adel) fail with an error message related to R/rpy2

Some nodes depend of R/rpy: you have to install compatible versions of R and rpy.

The rpy2 binaries shipped with Alinea installers currently do not support R 3.xx

You must use an Rpy binary that corresponds to the version of R, and Python you have installed. For example, rpy-0.4.6-R-2.0.0-to-2.2.1-py25.win32.exe is for

RPy version 0.4.6
R versions 2.0.0 through 2.2.1
Python version 2.5

If you have this error:

```
from rpy import *
```

```
File "C: \python25\Lib\site-packages\rpy.py", line 134, in  
""" % RVERSION)
```

```
RuntimeError: No module named _rpy2080 RPy module can not be imported.  
Please check if your rpy installation supports R 2.8.0.  
If you have multiple R versions installed, you may need to set RHOME before  
importing rpy.
```

For example:

```
>>> from rpy_options import set_options  
>>> set_options(RHOME='c:/progra~1/r/rw2011/')  
>>> from rpy import *
```

this means that your R version is not compatible with RPy version.

Please install a compatible version of R, which can be downloaded from [R download page](#). Follow the link ?window?, ?base?, ?old? and the version of R that you want to install (e.g., 2.6.2).

edit

1444056578

[R]

section

6551-7884

Linux

edit

1444056578

[Linux]

section

7885-7903

universe not enable

If ?universe? repository is not enable, you can fix it reading [this](#).

edit

1444056578

[universe not enable]

section

under ubuntu 8.10, library libtinfo is missing

When starting a demo, the following errors arises:

```
ImportError:libtinfo.so.5: cannot open shared object file: No such file or
directory
```

Under Ubuntu, version 8.10, the entrypoints for libinfo are part of ncurses. The libtinfo.so functionality is built into the libncurses.so shared library.

For software that expects the libtinfo.so object, do the following:

```
sudo ln -s /usr/lib/libncurses.so.5 /usr/lib/libtinfo.so.5
sudo ln -s /usr/lib/libtinfo.so.5 /usr/lib/libtinfo.so
```

Under Ubuntu 8.04, these libraries are located in the directory /lib (not /user/lib)

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1444056578

[under ubuntu 8.10, libra section

under ubuntu 8.10, library libboost_python.so.3 is missing

When starting a demo, the following errors arises:

```
ImportError:libboost_python.so.3: cannot open shared object file:
No such file or directory
```

Under Ubuntu, version 8.10, the entrypoints for libboost_python may be different from those under which the egg where compiled. A solution can be to create a symbolic link to your libboost_python version

```
sudo ln -s /usr/lib/libboost_python-py25.so /usr/lib/libboost_python.so.3
```

For ubuntu 8.04 users, the boost librairies is libboost_python-gcc42-1_34_1.so.1.34.1, so you ave to type

```
sudo ln -s /usr/lib/libboost_python-gcc42-1_34_1.so.1.34.1 /usr/lib/libboost_python.so.3
```

edit	1444056578	[under ubuntu 8.10, library libboost_python.so.3 is
	section	8755-9493 documentation:troublesh Edit

3D Viewer freeze Use `ipython` and its `-qtthread` option to enable Qt Gui Thread.

```
ipython --gui=qt
```

```
>>> ...
```

Note that since `ipython 0.13`, this option has been replaced by `ipython ?gui=qt`.

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1444056578

[3D Viewer freeze]

section

9494-9717

Mac

edit

1444056578

[Mac]

section

9718-9734

Error when you run : sudo alea_install_gui

If you get an error of type:

Library not loaded: QtGui.framework/Versions/4/QtGui
when you run :

```
sudo alea_install_gui
```

That is due to the environmental variables which are not set by the ?sudo? (see man sudo). To resolve this matter, you have to specify the environmental variable as follows :

```
sudo DYLD_FRAMEWORK_PATH=/usr/local/lib alea_install_gui
```

edit

1444056578

[Error when you run : su section

9735-10202

Python modules

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1444056578

[Python modules]

section

10203-10229

matplotlib

problem : In the version 0.98.5.2 of matplotlib, there is a bug related to the legend. If a Collection of Lines is

used, then calling the legend function raise this error:

```
AttributeError: 'Line2D' object has no attribute '_legmarker'
```

Solution: update to 0.99 or :

A temporary solution (that is apparently fixed in the matplotlib SVN) is to edit

C:\Python25\lib\site-packages\matplotlib\legend.py
and replace line 523 with

```
        if hasattr(handle, '_legmarker'):  
            handle._legmarker.set_ydata(ydata)
```

and line 627, add

```
        if hasattr(handle, "_legmarker"):  
before  
            legline_marker = legline._legmarker  
            legline_marker.set_data(xdata_marker,  
ydata[:len(xdata_marker)])
```

edit

1444056578

[matplotlib]

section

10230-11008

VisuAlea

edit

1444056578

[VisuAlea]

section

11009-11030

How to exporting application i.e., running a dataflow as an application

Lets say that you have a dataflow in VisuAlea and that you want to execute it from an external python script

without invoking the visualea environment.

The first solution is from the VisuAlea environment to export the dataflow into an independent application, as explained on the Wiki:

[http://openalea.gforge.inria.fr/dokuwiki/doku.php?id=packages:core:visualea:manual&s\[\]=run#export_application](http://openalea.gforge.inria.fr/dokuwiki/doku.php?id=packages:core:visualea:manual&s[]=run#export_application)

Second solution, as a python fan, you can go into a python shell and type the following commands:

```
>>> from openalea.core.alea import run
>>> from openalea.core.pkgmanager import PackageManager
>>> pkg = PackageManager()
>>> pkg.init()
>>> run('dataflow package', 'dataflow name'), {}, pm=pkg)
```

where dataflow package and dataflow name should be replaced by those of your application.

If your application is using X output like 3D plot, starts your python shell with ipython as follows:

```
>>> ipython --gui=qt
```

[troubleshooting](#), [faq](#), [matplotlib](#), [svn](#), [ubuntu](#)

edit	1444056578	[How to exporting application i.e., running a dataflow as
section	11031-	documentation:troublesh Edit