

[Home](#)[PUBLIC](#)[Stack Overflow](#)[Tags](#)[Users](#)[Jobs](#)[TEAMS](#)[+ Create Team](#)[Ask Question](#)

How to embed vispy graph in PyQt?

▲ I'm trying to embed a vispy plot (more specifically, a Vispy SceneCanvas) as a QWidget into PyQt4. I would presume the answer would be something like this:

5



2

```
from PyQt4.QtCore import *
from PyQt4.QtGui import *
import vispy.mpl_plot as plt

app = QApplication(sys.argv)
win = QMainWindow()
plt.plot([1,2,3,4], [1,4,9,16])
vispyCanvas=plt.show()[0]
win.setCentralWidget(vispyCanvas)
```

However, when I try this the last line gives me the expected error that vispyCanvas is type SceneCanvas and not of type QWidget . When I `print(vispyCanvas)` , it prints out `<Vispy canvas (PyQt4 (qt) backend) at 0x142bcb00L>` , which is why I suspect that it should be possible to treat it or one of its attributes as a QWidget object.

[python](#) [plot](#) [pyqt4](#) [pyside](#) [vispy](#)

edited Jan 26 '15 at 14:50



Trilarion

6,579 ● 5 ● 39 ● 77

asked Jan 13 '15 at 22:32



Kyle Ellefsen

28 ● 1 ● 7

1 Answer



The answer is simple:

10



```
win.setCentralWidget(vispyCanvas.native)
```

As long as vispy is using Qt as its backend, then `Canvas.native` refers to the underlying `QGLWidget` .

answered Jan 14 '15 at 0:15



Luke

8,307 ● 1 ● 35 ● 48

