



Qt for Python Conjunto oficial de bindings Qt para Python

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Agenda

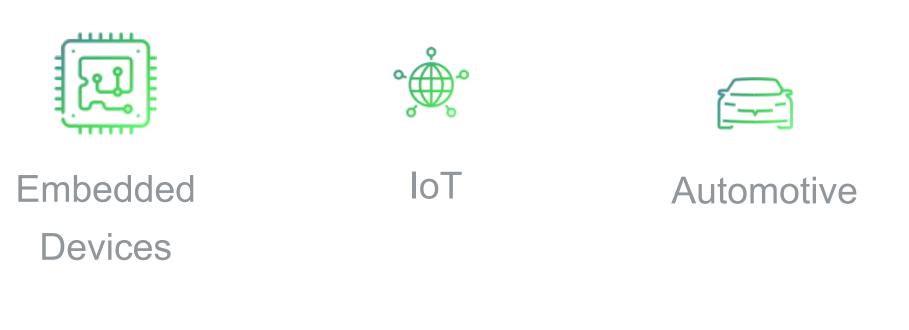
- 1. Qt for Python Motivation and History behind the Project
- 2. Architecture
- 3. Examples
- 4. Comparison: PyQt vs PySide2
- 5. Issues e Future of the Qt for Python



Qt

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Qt is the faster, smarter way to create innovative devices, modern UIs & applications for multiple screens. Cross-platform software development at its best.





Medical



Mobile



DSTV

Beautiful User Interfaces



Wide Set of Functionality



Built for Performance

Same Technology in All Screens

Effective Development

Python





Popularity

The fastest growing programming language



High-Level

Easy to learn, as close to natura english as possible

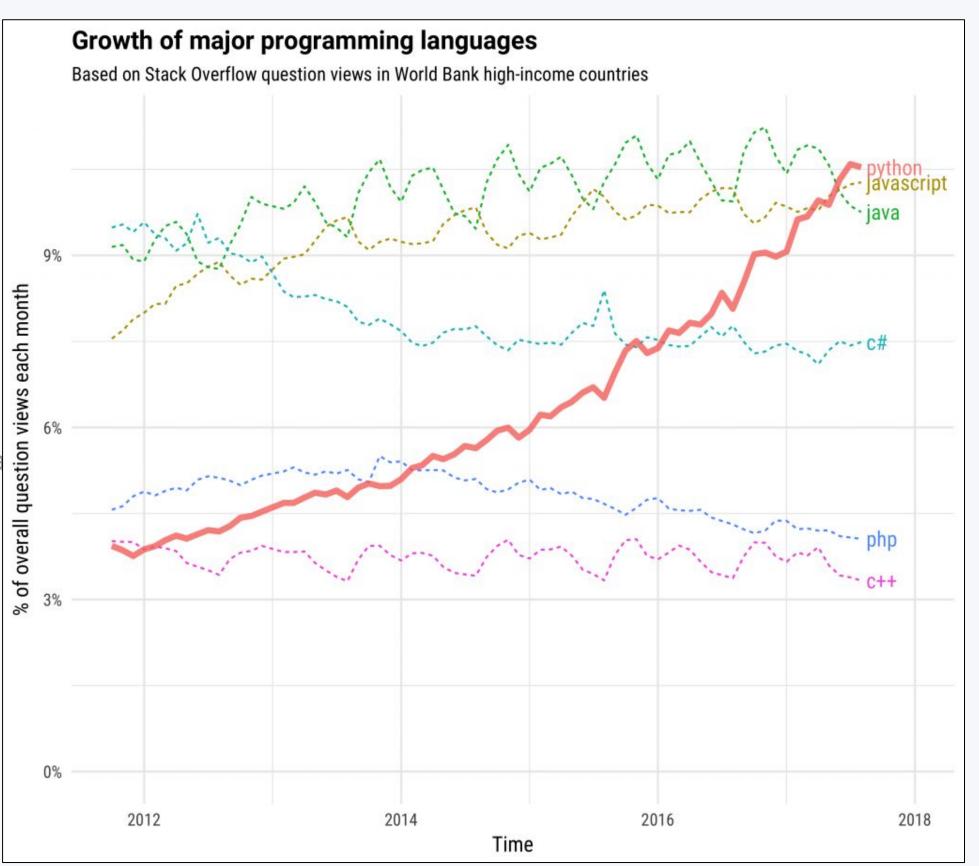
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Dynamic Typing

Dynamic type checking



Community

The community and libraries around Python is what makes it bigger



Code Readability

Easy to write and easy to read



General Porpuse

Python's philosophy





Let's bring it all together





Brief History

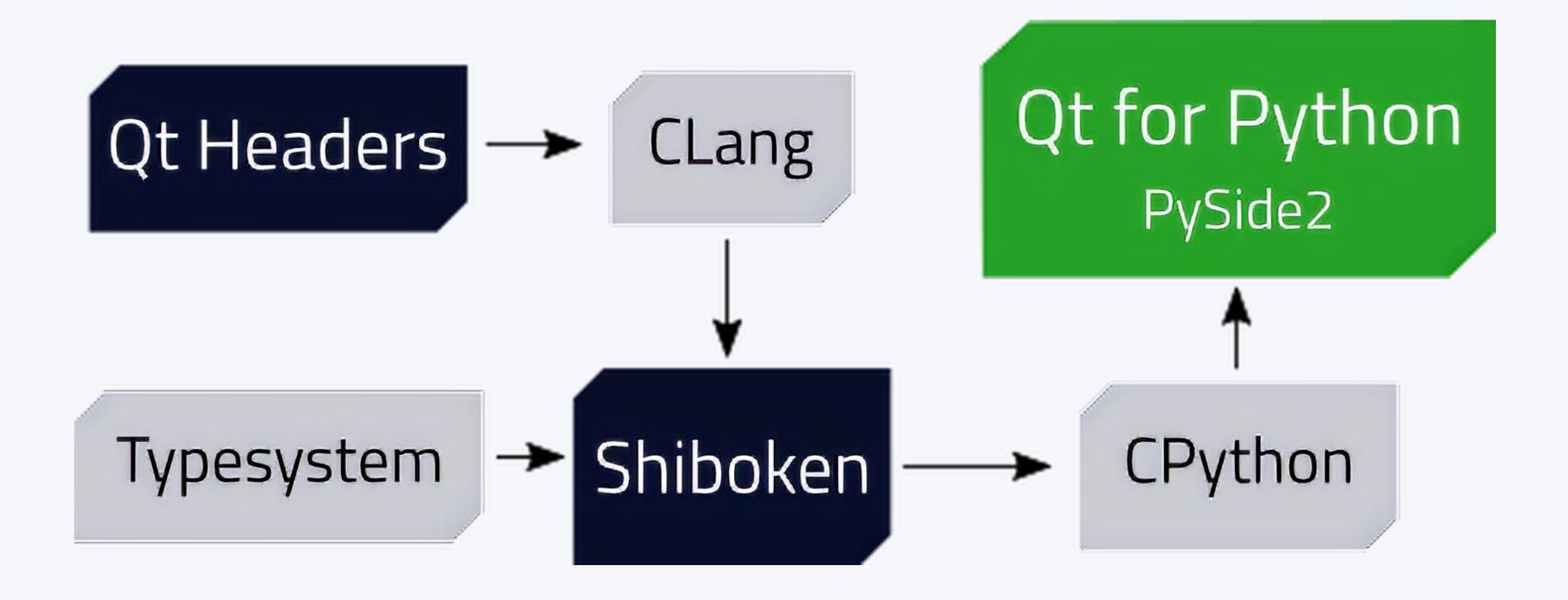
- 2008: Started out as PySide for Qt4
- 2009: It was released by Nokia
- 2013: Development slow-down
- ◆ 2016: Qt Company started development of PySide2
- ◆ 2018: Technical preview released with Qt 5.11



What is a binding?



Architecture

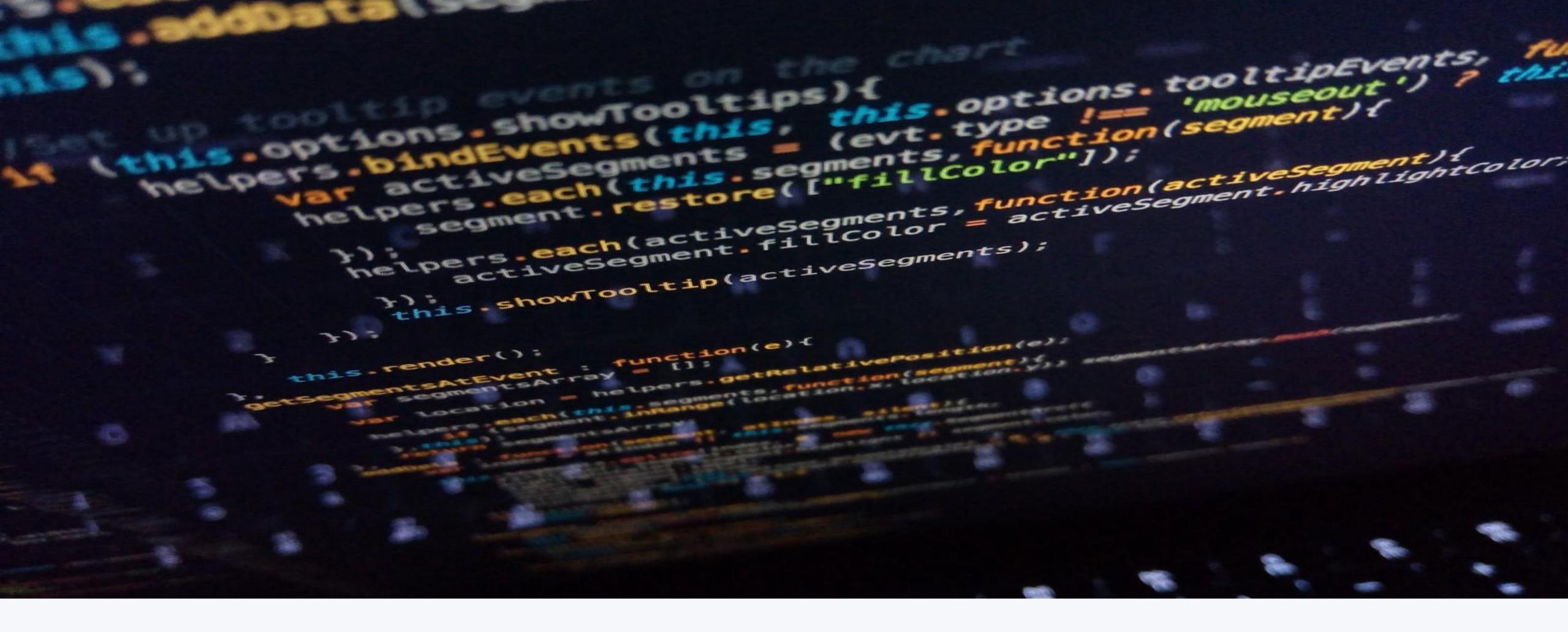




Hello World

```
import sys
   from PySide2.QtWidgets import QApplication, QLabel
3.
   # Qt Application
    app = QApplication(sys.argv)
6.
7. # Qt Widget
    label = QLabel("Hello WorurlopenId!")
    label.show()
10.
   #Executing app
   sys.exit(app.exec_())
```





HANDS-ON

Examples



Examples

- Hello World
- Signal and Slots
- Animated tiles
- Pyside2 and QML
- Qt WebEngine
- ◆ Tutorial



PySide2 vs PyQt5







PySide2 vs PyQt5

	Qt for Python PySide	Qt
Description	PySide2	PyQt5
Qt Modules		
Estabilidade		
Desktop'		
Mobile		
LGPL		

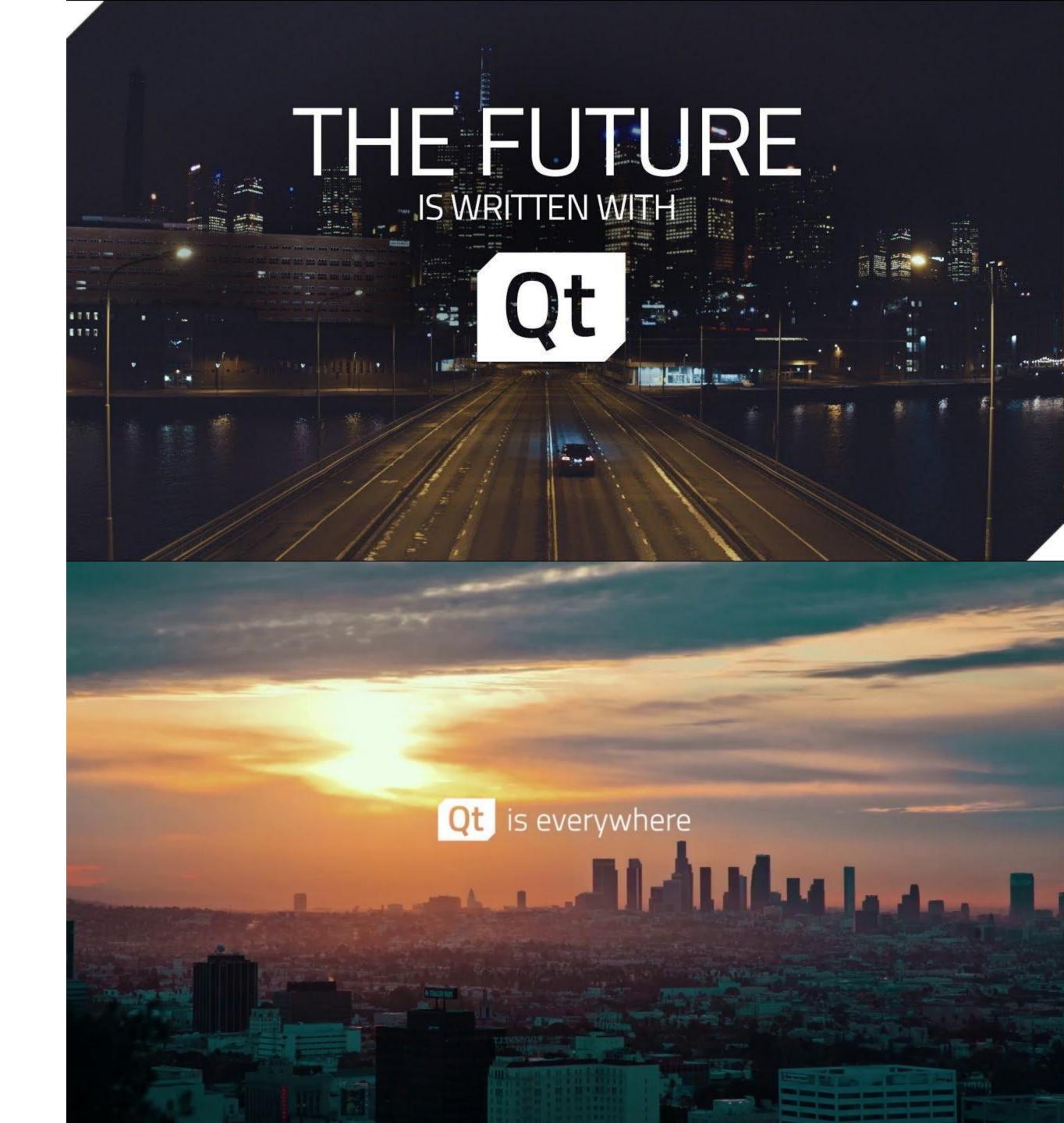


Qt For Python

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Issues and Future

- Mobile Support
- Port all of the Qt Modules
- Become first class citizen in Qt5
- Integration with QtCreator
- ♦ Official release in Qt 5.12
- PySide2 benchmarks









Thank you!

questions?

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