Qt for Python - Conjunto oficial de bindings Qt para Python

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whoami?

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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

Qt is the faster, smarter way to create innovative devices, modern UIs & applications for multiple screens. Cross-platform software development at its best.
Easy to learn, as close to natural English as possible

High-Level
Easy to learn, as close to natural English as possible

Dynamic Typing
Dynamic type checking

Popularity
The fastest growing programming language

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?
Hello World

1. `import sys`
2. `from PySide2.QtWidgets import QApplication, QLabel`
3. 
4. # Qt Application
5. `app = QApplication(sys.argv)`
6. 
7. # Qt Widget
8. `label = QLabel("Hello World!!")`
9. `label.show()`
10. 
11. # Executing app
12. `sys.exit(app.exec_())`
HANDS-ON

Examples
Examples

- Hello World
- Signal and Slots
- Animated tiles
- Pyside2 and QML
- Qt WebEngine
- Tutorial
PySide2 vs PyQt5
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Qt For Python

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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