

The Qt logo, consisting of the letters 'Qt' in white on a green rectangular background.

Qt for Python - Conjunto oficial de bindings Qt para Python



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whoami?

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Agenda



1. Qt for Python - Justification and History behind 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.



Embedded
Devices



IoT



Automotive



Medical



Mobile



DSTV

Beautiful
User Interfaces



Wide Set of
Functionality



Built for
Performance

Same Technology in
All Screens

Effective
Development

Python



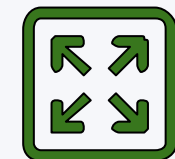
Popularity

The fastest growing programming language



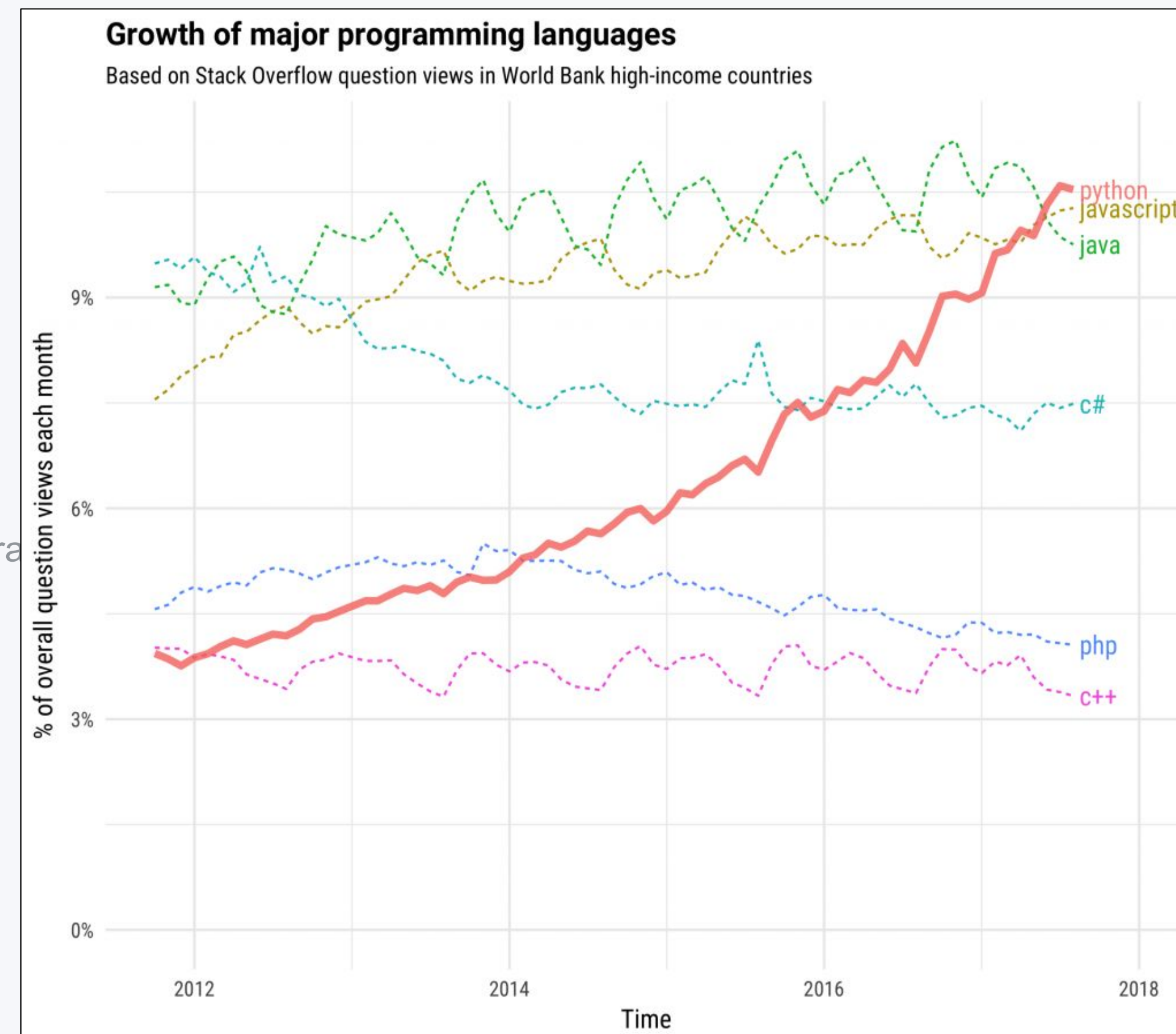
High-Level

Easy to learn, as close to natural english as possible



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 Purpose

Python's philosophy



Let's bring it all together



Brief History

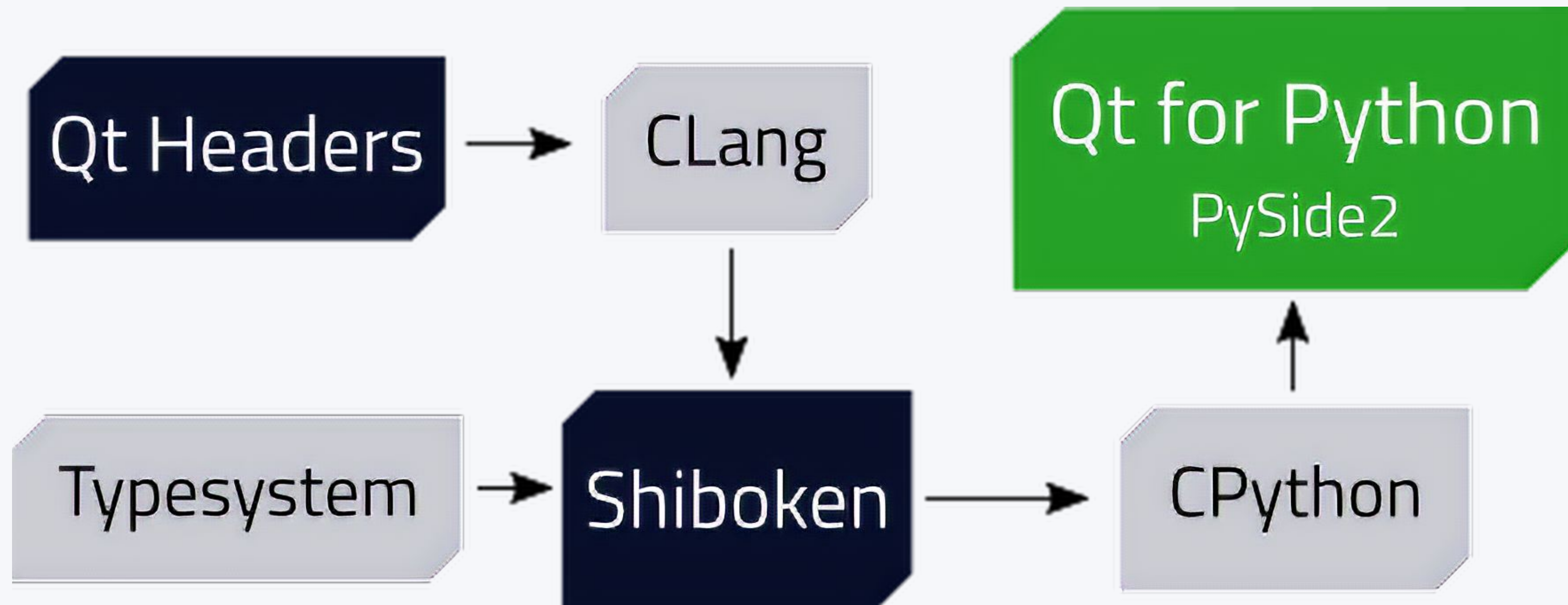
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- ◆ 2008: Started out as PySide for Qt4
- ◆ 2009: It was released by Nokia
- ◆ 2013: Development slow-down
- ◆ 2016: Qt Company started development of PySide2
- ◆ 2018: Technical preview released with Qt 5.11



What is a binding?

Architecture



Hello World



```
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 WorurlopenId!")
9. label.show()
10.
11. #Executing app
12. sys.exit(app.exec_())
```




HANDS-ON

Examples







PySide2 vs PyQt5

PySide2 vs PyQt5



Description		
	PySide2	PyQt5
Qt Modules	✓	✓
Estabilidade	✗	✓
Desktop'	✓	✓
Mobile	✗	✓
LGPL	✓	✗

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



Qt



Thank you!

questions?

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