

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



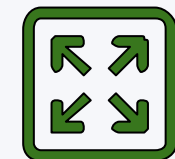
## Popularity

The fastest growing programming language



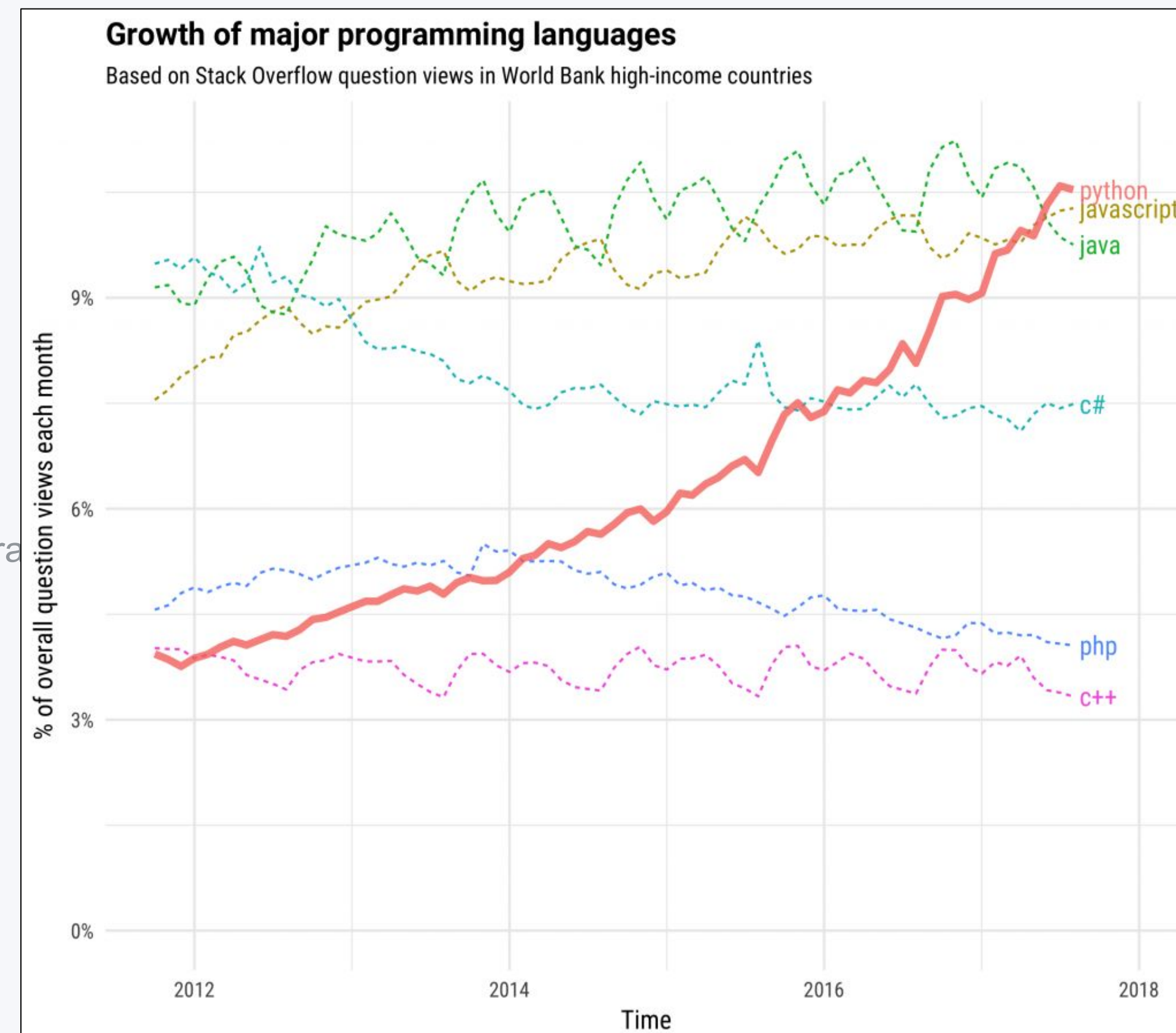
## High-Level

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

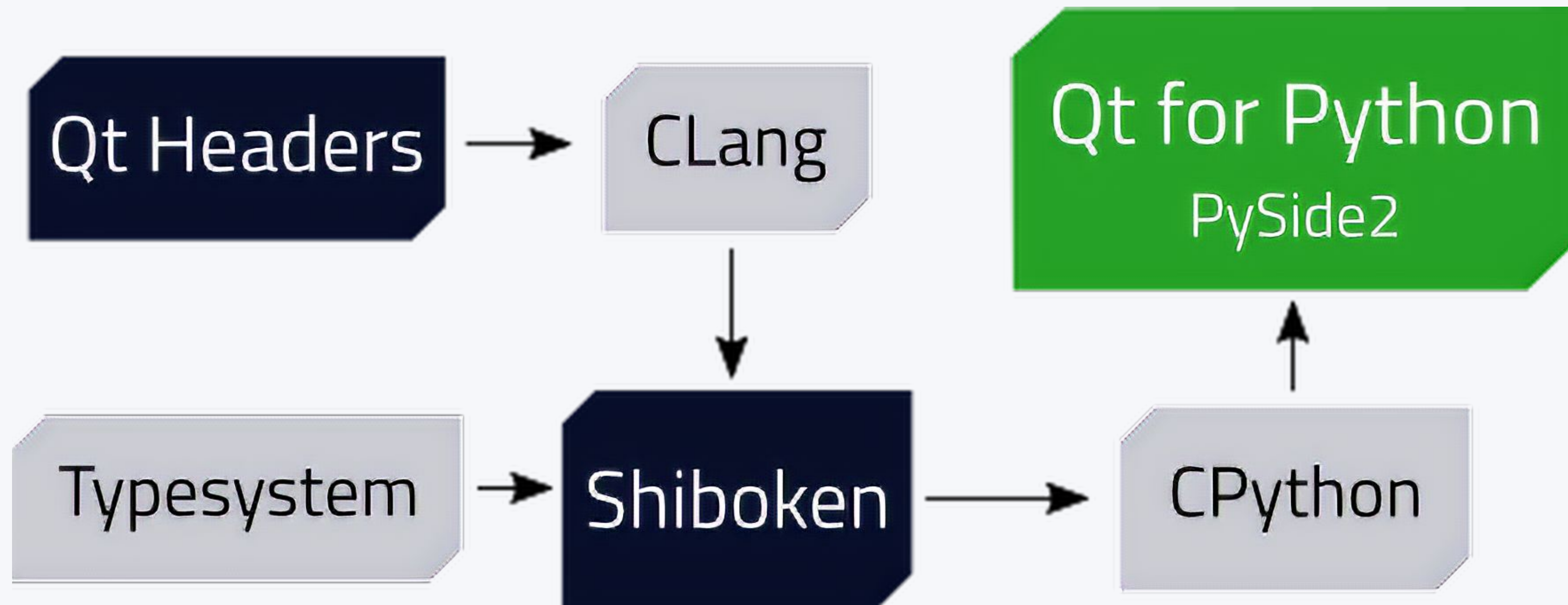


# What is a binding?

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# 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





# Examples

...

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





# PySide2 vs PyQt5

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# PySide2 vs PyQt5



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







# Krita





Qt



# Thank you!

questions?

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