

Bots and Pywikibot

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Maarten & Amir

Show of hands

- Know what a bot is?
- Used a bot?
- Coded a bot?



A stylized, blocky robot head with two large red eyes and a keyboard-like mouth. The robot has a dark grey body with a lighter grey face. It has two small, dark grey rectangular protrusions on top, resembling antennae or sensors. The word "Bot?" is written in white, bold, sans-serif font across the top of the robot's face.

Bot?

“A bot (derived from the word "robot") is an automated or semi-automated tool that carries out repetitive and mundane tasks.”

Why bots?

- Add functionality
- Automate tasks



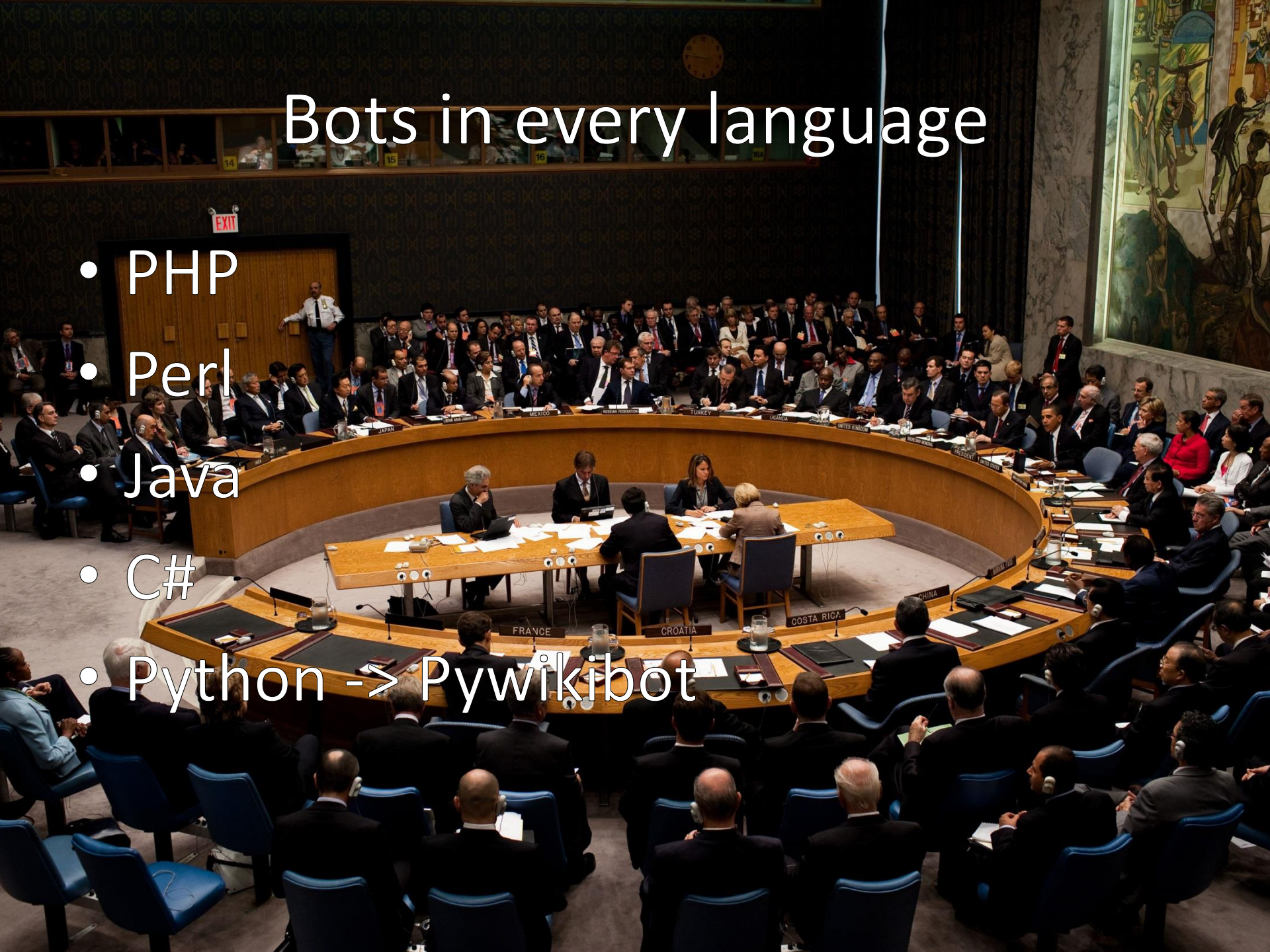
Edits

- Separate accounts
- 25% Wikipedia
- 25% Commons
- 85% Wikidata



Bots in every language

- PHP
- Perl
- Java
- C#
- Python -> Pywikibot



Pywikibot

The image shows three vintage computers on a wooden desk. On the left is an Apple IIc, a small beige computer with a keyboard integrated into its casing. In the center is a Commodore PET, Model 4032, featuring a monitor on top of the main computer unit and a separate keyboard. On the right is an Apple IIx, a larger beige computer with a separate monitor and keyboard. The background includes some cardboard boxes and a white wall.

- Python (2.x)
- Since 2003
- Framework + scripts
- `[[[:mw:Pywikibot]]`
- Works on MediaWiki

<https://www.mediawiki.org/wiki/Manual:Pywikibot>

Install

- Any OS
- Python 2.x
- Two branches: Use core
- Download nightly

<https://www.mediawiki.org/wiki/Manual:Pywikibot/Installation>

Scripts

- First run makes configuration
- Many tasks

*Дорогим друзьям,
на добрую память
и на добрую память
Сергей Бондарчук
9 января 1967 г.*

ЛЕВ ТОЛСТОЙ

Для служебного пользования

«ВОЙНА И МИР»

режиссерский сценарий в четырех частях

Авторы экранизации — С. БОНДАРЧУК
В. СОЛОВЬЕВ

— 1962 г. —

4. Лев Толстой «Война и мир»: Режиссерский сценарий в четырех частях. Авторы экранизации: С. Бондарчук, В. Соловьев. Москва: в типографии издательства МГУ. 1962 г. Бумага, коленкор

Сценарий подарен Музею-панораме в благодарность за помощь, оказанную при создании фильма.

Автограф: «Дорогим друзьям с благодарностью и уважением. Сергей Бондарчук. 9 января 1967 г.»

Мундиры, расположенные в витринах рядом, подарены Музею сотрудниками «Мосфильма»

Logic

A scenic waterfall cascading over rocks into a pool of water, surrounded by lush greenery. The waterfall is the central focus, with water flowing over a series of rock ledges. The surrounding area is filled with dense tropical vegetation, including large green leaves and trees. The water in the pool below is a clear, vibrant blue-green color. The overall atmosphere is peaceful and natural.

- Generator
- Bunch of pages
- Do stuff
- Update

replace.py

- Replaces text
- *Regex*
- Exceptions



category.py

A black and white photograph of a cluttered room. In the foreground, there's a wooden floor. To the left, a large, textured hat or bag is leaning against a wall. In the center, there are several wooden boxes and a broom leaning against a wall. To the right, there's a large, textured object, possibly a bag or a piece of furniture, and a broom leaning against a wall. The background is dark and indistinct.

- Add
- Remove
- **Move**
- Tidy
- Tree
- Listify

Wikidata

- [claimit.py](#)
- [harvest_template.py](#)
- [coordinate_import.py](#)
- [illustrate_wikidata.py](#)
- [newitem.py](#)



Random scripts

- Solve disambiguation
- Archivebot
- Upload bots
- A lot more

孟買關帝聖籤

石崇被難

驗占

人占米價... 乙庚下下

十七

縱使... 必必

定後... 必必

驗占

病宜... 必必

且願... 必必

保安... 必必

難保... 必必

註

凡... 必必

須... 必必

得安... 必必

孟買關帝聖籤

蘇

營為期望在春前

誰料秋來又不然

直遇清江貴公子

一生活計始安全

第十二籤 乙乙中平

一士人開終身得此久而不... 必必

意

求名... 必必

財未... 必必

病改... 必必

訟宜... 必必

行人... 必必

學生... 必必

有所... 必必

方吉... 必必

東

作事... 必必

徒勞... 必必

臨江... 必必

望之... 必必

萬事... 必必

徒勞... 必必

且... 必必

以候... 必必

碧

凡百... 必必

成... 必必

好處... 必必

情... 必必

好人... 必必

宰... 必必

謀... 必必

亨... 必必

孟買關帝聖籤

洞賓煉丹

驗占

世宗... 必必

以方... 必必

指日... 必必

一朝... 必必

意

求財... 必必

訟理... 必必

病不... 必必

行人... 必必

夢... 必必

陰地... 必必

婚... 必必

東

凡有... 必必

凡骨... 必必

昇... 必必

匪人... 必必

財物... 必必

百事... 必必

何必... 必必

註

內... 必必

須... 必必

扶... 必必

若... 必必

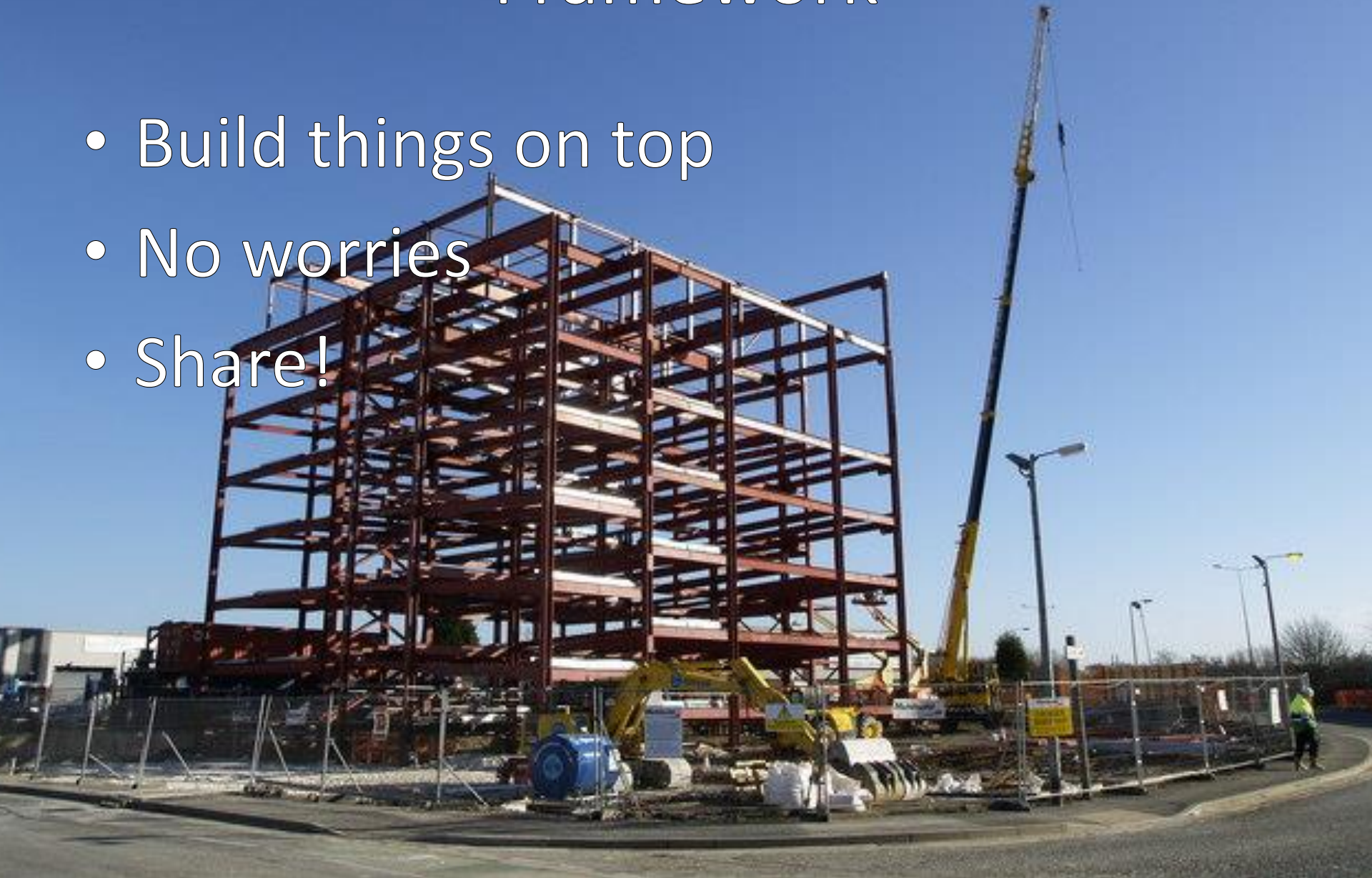
貴... 必必

雲... 必必

途... 必必

Framework

- Build things on top
- No worries
- Share!



Contribute

zie de velden

staam

- File bugs
- Git/gerrit
- Submit patches
- Review

witvoordle

Questions?

- Mailing list
- #pywikibot on Freenode

