Hacking on pywikibot-core

Wikimania 2013 DevCamp

Installing

- Assume you already have python and gerrit set up
- $ git clone --depth 2 ssh://USERNAME@gerrit.wikimedia.org:29418/pywikibot/core.git pwb-core
- $ cd pwb-core
- $ python setup.py develop --user

Layout

- pywikibot/
  - site.py – Interaction layer with API
  - page.py – Page methods, read and write
  - pagegenerators.py – Get lists of pages
  - data/api.py – Underlying API connection code
- scripts/
  - touch.py – Simple script

Adding framework methods

- Want to add a User.block() function
- Look at documentation on mw.o to see what parameters are accepted
- Add a APISite.blockuser() function which calls the API
- Call that function from User.block() and catch errors

Submitting your changes

- Commit your change: $ git commit file.py file2.py

- $ git review -R

- Your change will be posted in #pywikipediabot, and another developer will review it

Converting from compat-->core

- wikipedia.py is now pywikibot/ folder
- import pywikibot as wikipedia
- from pywikibot import pagegenerators

- Many function names may be deprecated, but should still work. Very few breaking changes have been implemented

What to do?

- Lots of scripts need to be converted from compat to core

- PEP8-ify!

- Implement API methods that don't have functions yet

- Add/fix documentation

- Complete "TODO"'s and "FIXME"'s :-)

Getting help

- #pywikipediabot on irc.freenode.net
- Pywikipedia-l mailing list (lists.wikimedia.org)
- SourceForge bug tracker (https://sf.net/ projects/pywikipediabot/)