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/)