

Configuration and Caching

This is a page that contains the resources for GeoDashboard Refactoring.

Config file for Parser

This is evaluated in terms of python

Possible config file formats

<https://martin-thoma.com/configuration-files-in-python/>

- Python Configuration File (.py)
 - python library: no need, just import
 - problem; it's not generic format; and easy for others to add actual python code in the config file
- JSON
 - python library: built-in json
 - problem: no comment preservation, the order of keys can be changed (if you rewrite it)
- YAML
 - <http://stackoverflow.com/questions/3444436/configobj-configparser-vs-using-yaml-for-python-settings-file>
 - python library:
 - pyYAML : no comments preservation, the order of keys can be changed (if you rewrite it)
 - ruamel.yaml: overcome the problems of pyYAML
- INI
 - python library: built-in ConfigParser, ConfigObj
 - problem:
 - no complex structures with lists of unnamed elements containing mappings/dictionaries
 - no comment preservation, the order of keys can be changed (if you rewrite it)
- XML
 - python library: many python xml library
 - problem:
 - cumbersome to edit the file itself.

Possible choice: YAML

- python Library: ruamel.yaml
 - <https://pypi.python.org/pypi/ruamel.yaml>
 - <https://bitbucket.org/ruamel/yaml>

Caching API

Testing and looking in to caching technology for RESTful API

Useful articles

- Varnish vs Squid: <https://www.quora.com/What-is-the-fundamental-difference-between-varnish-and-squid-caching-architectures>

Varnish

- Main site: <https://www.varnish-cache.org/>
- Monitoring (web UI) the varnish: <http://munin-monitoring.org/> with Varnish plugin (<https://github.com/munin-monitoring/contrib/tree/master/plugins/varnish4>)

Memcached

- Main site: <http://memcached.org/>

Redis

- Main site: <http://redis.io/>