Proposed Meramap Server Configuration System

Web Interface

Localhost://MeraMap.html
Javascript map
Configuration
Editor.
Reads the current
Meramap.json by
calling GetCfg.php.
When the user
presses the 'Save'
Button, it calls
PutCfg.php to
save the
Configuration
back to the server.
User Interface is
Standard HTML.
The javascript uses
Jquery to simplify
Access to the HTML
Elements.

GetCfg.php
Returns the
meramap.json
Configuration file.

PutCfg.php
Receives the
meramap.json
Configuration file as
POST data and
saves it to disk..

Meramap.json
Stored in
/usr/local/meramap/config.
A simple configuration
file that defines the
parameters of the
tile server. These include:
·Bounding Box
·Map Style
·Zoom Range
·Update Period
It is formatted as JSON to
make it easy for the javascript
interface to read and write it.

Server Configuration Daemon

MeramapDaemon.py
A simple daemon process
(started by system startup
Scripts)
Monitors Meramap.json
for changes. If changes are
detected, it calls the
appropriate script to
re-configure the system.

make_db.py
Populates the postgresql
Database by downloading
The appropriate OSM
Planet extract and
using osm2pgsql, using the
Bounding box
Specified in meramap.json.

generate_tiles.py
Generates a set of tiles
Using the style file and
Bounding box
Specified in meramap.json.
(this will only be a temporary
Feature until we move to
mod_tile)