ARBEITSGRUPPE DATENBANKEN UND INFORMATIONSSYSTEME

Spatial Databases: Project Documentation

SETUP-GUIDE AND DOCUMENTATION FOR SPATIAL-WEATHER-PROJECT

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1 Setup Guide

1.1 Clone Repository

Prerequesities: Git Vagrant (Version) Python 3 (Version) miniconda sudo apt-get install gdal-bin postgis
Switch to directory that should later contain your project-source-code
Clone Repository by typing into console:
Change directory to spatial-weather
CODE: cd spatial-weather
Install and configure the virtual machine by enter in console:
CODE: vagrant up
miniconda setup (aus mail)
–conda install –file requirements.conda

muss jedes mal ausgeführt werden nachdem der server gestartet wurde.
activates Python virtual environment.
source /miniconda3/bin/activate spatial-weather
installs database-driver for python3:
sudo apt-get install python3-psycopg2 libpq-dev python3-dev
installs additional requirements for python:
– requirements.txt
pip install -r requirements.txt
Create database and Postgis extesions:
create subfolder /data and copy gfs-data to that folder
Download http://download.geofabrik.de/europe/germany-latest.osm.pbf and save to data/ folder. (last access: 05.02.15)
Import OSM-data:
Start Webapp-Server:
python manage.py runserver
import (aus wiki)
copy
run: