mapnik2geotools

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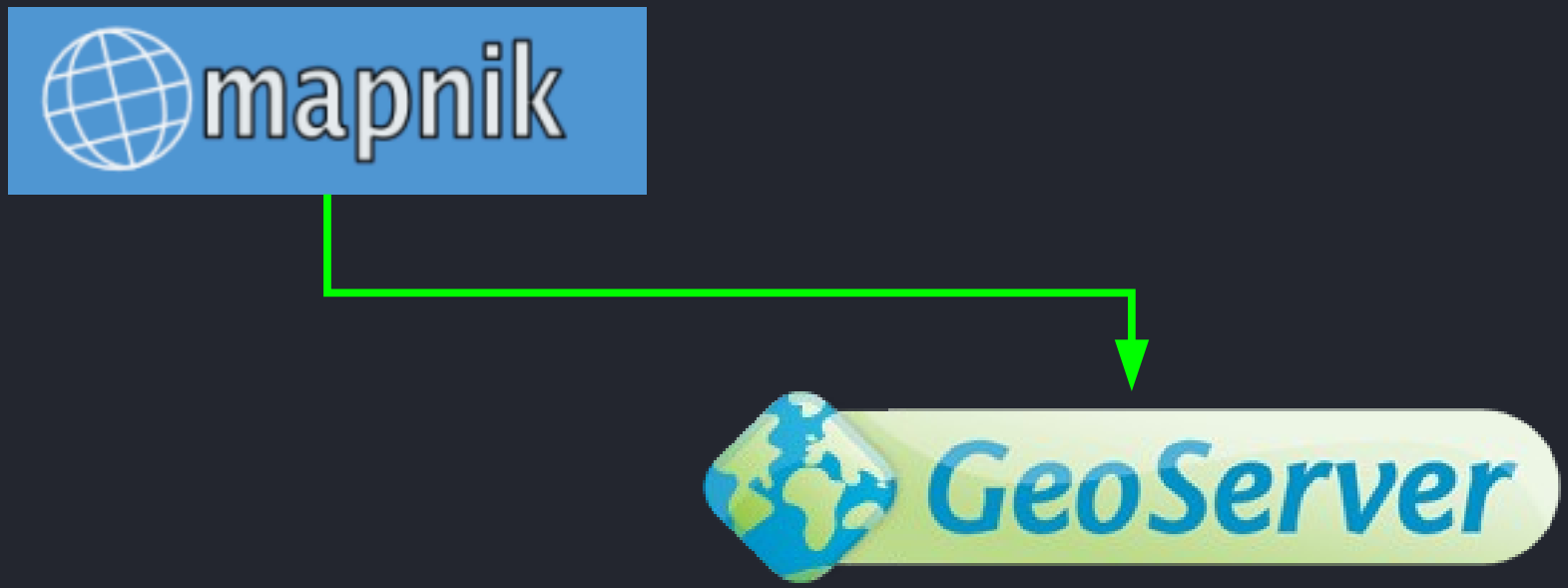
FOSS4G 2011

OpenGeo
www.opengeo.org

hello

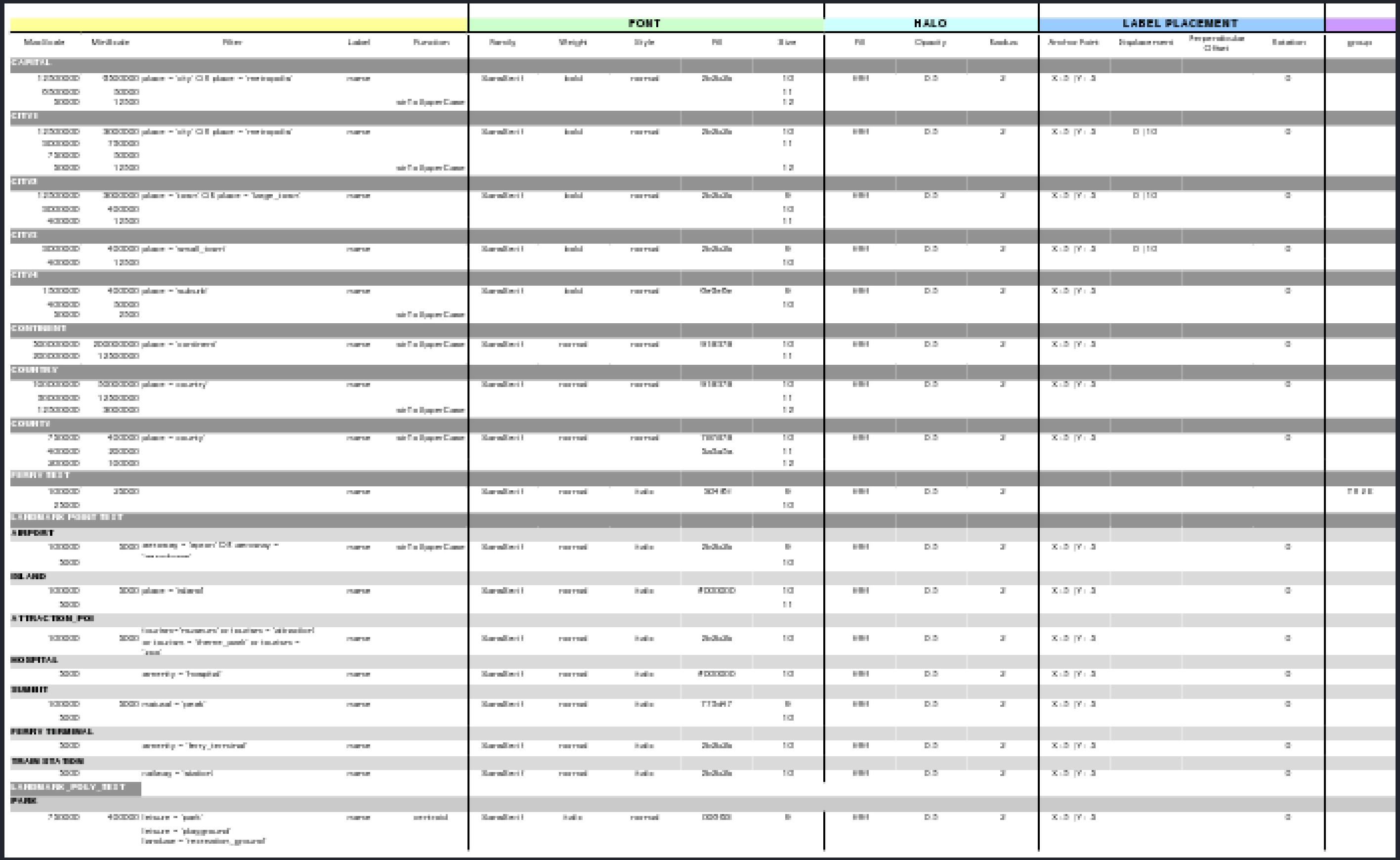
what




LEDGE
WEST
TILLIES
RIDG


mapquest

why



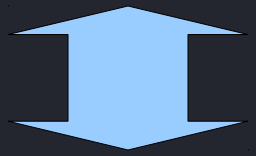
FONT
HALO
LABEL PLACEMENT
AIRPORT
ISLAND
ATTRACTION_POI
HOSPITAL
SUMMIT
FERRY TERMINAL
TRAIN STATION
LANDMARK_POLY_TEST
PARK

```
def convertPatternSymbolizer(e: Elem): Seq[Node] = {
  val attrs = e.attributes.asAttrMap

  val format =
    Mime.guessMime(attrs.get("file"), attrs.get("type"))

  <PolygonSymbolizer>
    <Fill>
      <GraphicFill>
        <Graphic>
          <ExternalGraphic>
            <OnlineResource xlink:href={ attrs("file") }/>
            <Format>{ format }</Format>
          </ExternalGraphic> {
            if (attrs contains(height))
              <Size>{ attrs("height") }</Size>
        } </Graphic>
      </GraphicFill>
    </Fill>
  </PolygonSymbolizer>
}
```

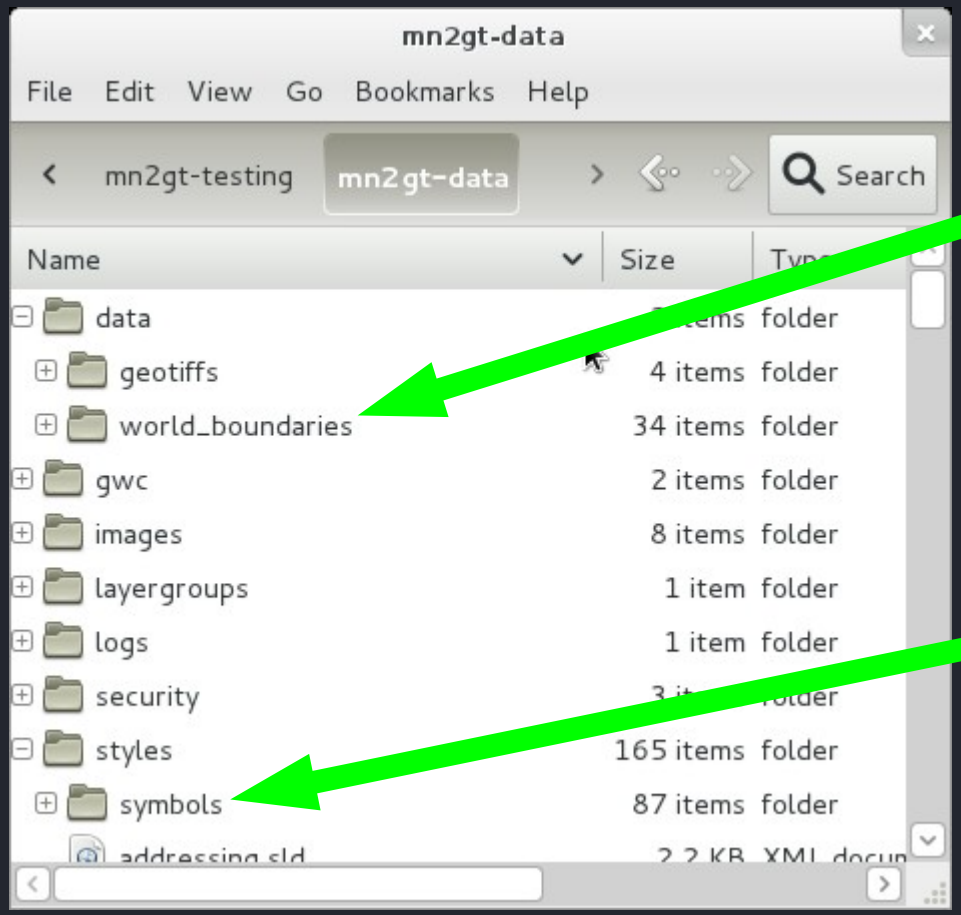
```
<Filter>[tourism] = 'attraction' or [tourism] = 'zoo'</Filter>
```



```
<Filter xmlns="http://www.opengis.net/ogc">
  <Or>
    <PropertyIsEqualTo>
      <PropertyName>tourism</PropertyName>
      <Literal>attraction</Literal>
    </PropertyIsEqualTo>
    <PropertyIsEqualTo>
      <PropertyName>tourism</PropertyName>
      <Literal>zoo</Literal>
    </PropertyIsEqualTo>
  </Or>
</Filter>
```

```
val less =
  (property <~ "<") ~ value map { case a ~ b =>
    <PropertyIsLessThan>{a}{b}</PropertyIsLessThan>
  }

val notEqualTo =
  (property <~ ("<>" | "!=")) ~ value map { case a ~ b =>
    <PropertyIsNotEqualTo>{a}{b}</PropertyIsNotEqualTo>
  }
```



Shapefiles, TIFFs

Icon files

```
<Datasource>
  <Parameter name="table">
    (select way,aeroway,amenity,landuse,leisure,military,"natu
     from &prefix;_polygon
     where
       aeroway in ('aerodrome','apron','runway') or
       amenity in ('college','grave_yard','hospital','kinderga
                   'school','university') or
       landuse in ('cemetery','conservation','forest','grass',
                   'military','recreation_ground','residential
       leisure in ('common','golf_course','nature_reserve','pa
                   'playground','recreation_ground','sports_ce
       military in ('barracks') or
       "natural" in ('beach','scrub','wood') or
       tourism in ('attraction','zoo')
     order by z_order,way_area desc
```

```
DROP TABLE IF EXISTS landmark;
DELETE FROM geometry_columns WHERE f_table_name = 'landmar
CREATE TABLE landmark AS SELECT way,aeroway,amenity,landus
        from planet_osm_polygon
        where
          aeroway in ('aerodrome','apron','runway') or
          amenity in ('college','grave_yard','hospital','ki
                      'school','university') or
          landuse in ('cemetery','conservation','forest','g
                      'military','recreation_ground','resid
          leisure in ('common','golf_course','nature_reserv
                      'playground','recreation_ground','spo
          military in ('barracks') or
          "natural" in ('beach','scrub','wood') or
          tourism in ('attraction','zoo')
        order by z_order,way_area desc;
ALTER TABLE landmark ADD COLUMN id SERIAL PRIMARY KEY;
INSERT INTO geometry_columns VALUES ( '', 'public', 'landm
CREATE INDEX landmark_idx ON landmark USING GIST(way);
```

Some Links

http://github.com/dwins/mapnik2geotools/

http://docs.geoserver.org/stable/en/user/data/sqlview.html

http://mapnik.org/

https://groups.google.com/a/opengeo.org/group/mapnik2geotools/topics