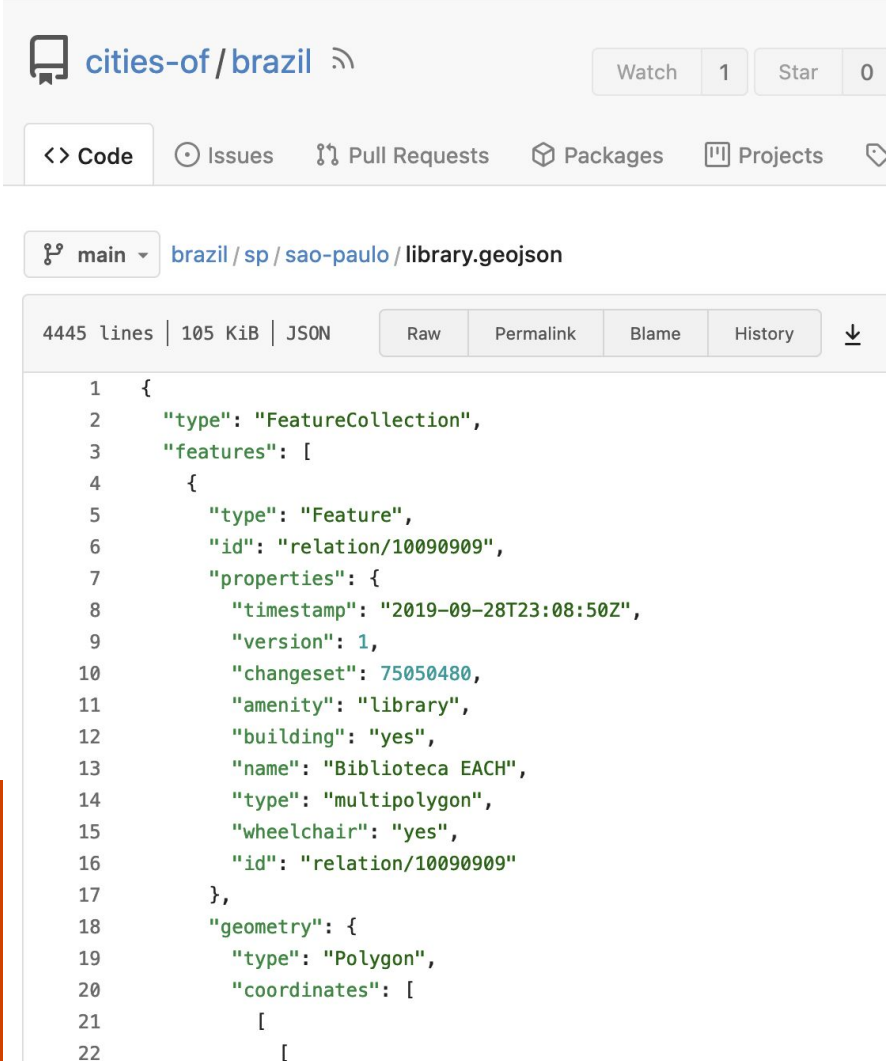




OSM for Cities

Simplifying access to OpenStreetMap data for urban planning

A git-based approach



The screenshot shows a GitHub repository for 'cities-of / brazil'. The file 'library.geojson' is selected, showing its content in a code editor. The file is 4445 lines long, 105 KiB, and is in JSON format. The code is a GeoJSON FeatureCollection. The first feature is a multipolygon representing a library building. The code is as follows:

```
1  {
2    "type": "FeatureCollection",
3    "features": [
4      {
5        "type": "Feature",
6        "id": "relation/10090909",
7        "properties": {
8          "timestamp": "2019-09-28T23:08:50Z",
9          "version": 1,
10         "changeset": 75050480,
11         "amenity": "library",
12         "building": "yes",
13         "name": "Biblioteca EACH",
14         "type": "multipolygon",
15         "wheelchair": "yes",
16         "id": "relation/10090909"
17       },
18       "geometry": {
19         "type": "Polygon",
20         "coordinates": [
21           [
22             [
```

30+ datasets for every city, ready-to-use

name	category	osmium_filter
Bicycle Rentals	cycling	nrw/amenity=bicycle_rental
Bicycle Parking	cycling	nrw/amenity=bicycle_parking
Bicycle Shops	cycling	nrw/shop=bicycle
Clinics	health	nrw/amenity=clinic
Toilets	health	nrw/amenity=toilets
Drinking Water	health	nrw/amenity=drinking_water
Doctors	health	nrw/amenity=doctors
Dentists	health	nrw/amenity=dentist
Health Posts	health	nrw/amenity=health_post
Hospitals	health	nrw/amenity=hospital
Nursing Homes	health	nrw/amenity=nursing_home
Pharmacies	health	nrw/amenity=pharmacy
Veterinaries	health	nrw/amenity=veterinary
Social Facilities	social	nrw/amenity=social_facility
Community Centres	social	nrw/amenity=community_centre
Kindergartens	education	nrw/amenity=kindergarten
Schools	education	nrw/amenity=school
Universities	education	nrw/amenity=university
Colleges	education	nrw/amenity=college
Libraries	education	nrw/amenity=library
Arts Centres	culture	nrw/amenity=arts_centre
Galleries	culture	nrw/tourism=gallery
Monuments	culture	nrw/historic=monument
Memorials	culture	nrw/historic=memorial
Heritage	culture	nrw/heritage
Cinemas	culture	nrw/amenity=cinema
Government Offices	government	nrw/office=government
Waterfalls	environment	nrw/waterway=waterfall
Tailings Ponds	environment	nrw/man_made=tailings_pond
Dams	environment	nrw/waterway=dam
Guest Houses	tourism	nrw/tourism=guest_house
Hotels	tourism	nrw/tourism=hotel
Sports	leisure	nrw/sport

How the process work

```
$ node cli/index.js context cities-of-brazil update
[10:24:55.999] INFO (63354): -> Could not find last commit date, using
[10:24:55.999] INFO (63354): -> Filtering: 2023-05-01T00:00:00Z
[10:25:18.319] INFO (63354): -> Extracting country from current day fil
[10:25:25.058] INFO (63354): -> Extracting level 1 data...
[10:25:25.062] INFO (63354): -> Extracting level 1 area with id: 11...
[10:25:25.355] INFO (63354): -> Extracting level 1 area with id: 12...
[10:25:25.612] INFO (63354): -> Extracting level 1 area with id: 13...
[10:25:25.984] INFO (63354): -> Extracting level 1 area with id: 14...
[10:25:26.277] INFO (63354): -> Extracting level 1 area with id: 15...
[10:25:26.891] INFO (63354): -> Extracting level 1 area with id: 16...
[10:25:27.124] INFO (63354): -> Extracting level 1 area with id: 17...
[10:25:27.517] INFO (63354): -> Extracting level 1 area with id: 21...
[10:25:27.975] INFO (63354): -> Extracting level 1 area with id: 22...
[10:25:28.407] INFO (63354): -> Extracting level 1 area with id: 23...
[10:25:29.117] INFO (63354): -> Extracting level 1 area with id: 24...
[10:25:29.780] INFO (63354): -> Extracting level 1 area with id: 25...
[10:25:30.402] INFO (63354): -> Extracting level 1 area with id: 26...
[10:25:31.069] INFO (63354): -> Extracting level 1 area with id: 27...
[10:25:31.496] INFO (63354): -> Extracting level 1 area with id: 28...
[10:25:32.038] INFO (63354): -> Extracting level 1 area with id: 29...
[10:25:32.795] INFO (63354): -> Extracting level 1 area with id: 31...
[10:25:33.685] INFO (63354): -> Extracting level 1 area with id: 32...
[10:25:34.380] INFO (63354): -> Extracting level 1 area with id: 33...
[10:25:35.077] INFO (63354): -> Extracting level 1 area with id: 35...
[10:25:35.815] INFO (63354): -> Extracting level 1 area with id: 41...
[10:25:36.332] INFO (63354): -> Extracting level 1 area with id: 42...
[10:25:37.066] INFO (63354): -> Extracting level 1 area with id: 43...
[10:25:37.618] INFO (63354): -> Extracting level 1 area with id: 50...
[10:25:38.023] INFO (63354): -> Extracting level 1 area with id: 51...
[10:25:38.422] INFO (63354): -> Extracting level 1 area with id: 52...
[10:25:38.946] INFO (63354): -> Extracting level 1 area with id: 53...
[10:25:39.354] INFO (63354): -> Extracting level 2 data...
[10:25:39.357] INFO (63354): -> Extracting level 2 area with id: 11001.
[10:25:39.451] INFO (63354): -> Extracting level 2 area with id: 11002.
[10:25:39.473] INFO (63354): -> Extracting level 2 area with id: 11003.
```



Cloud-based infrastructure

```
127.0.0.1:12222:22
env_file:
  - ./env
runner_setup:
  image: developmentseed/osm-for-cities-runner:v1
  build:
    context: ./
    dockerfile: Dockerfile
  volumes:
    - ./app-data:/home/runner/app/app-data
  command: >
    /bin/bash -c "
      echo 'Start setting up...';
      yarn cli fetch-full-history
      yarn cli context cities-of-brazil reset-git-l
      yarn cli context cities-of-brazil reset-git-r
      yarn cli context cities-of-brazil setup
    "
  env_file:
    - ./env
runner_update:
  image: developmentseed/osm-for-cities-runner:v1
  volumes:
    - ./app-data:/home/runner/app/app-data
  command: >
    /bin/bash -c "
      echo 'Start updating...';
      if [ "$NODE_ENV" = "production" ]; then
        yarn cli update-presets-history --recursiv
      fi
```

Our first country: Brazil



Next steps: Dashboard & QA

We value your feedback:

<https://osmforcities.org>



Build something with us!



Join our team!