

TiTiler / TiTiler-PgSTAC

Access and visualize your data



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Msc in Earth Sciences

Open Source First

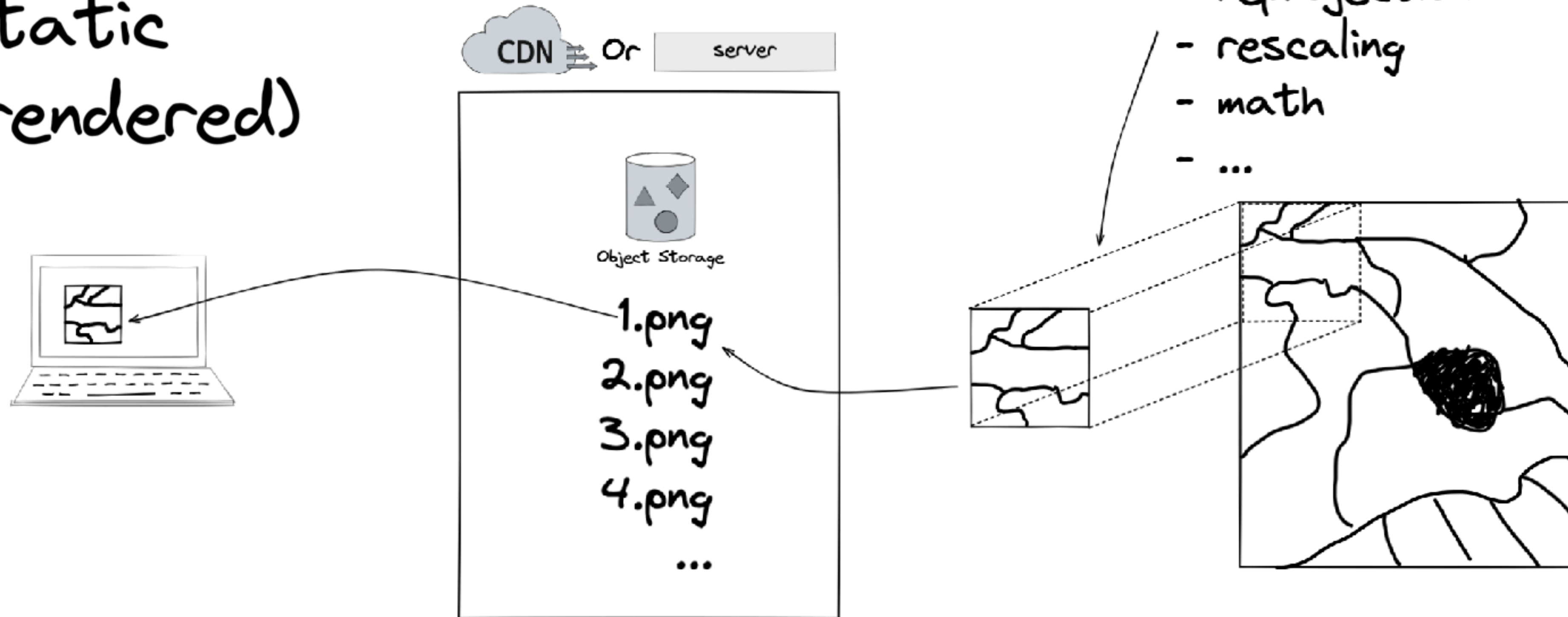


Titiler

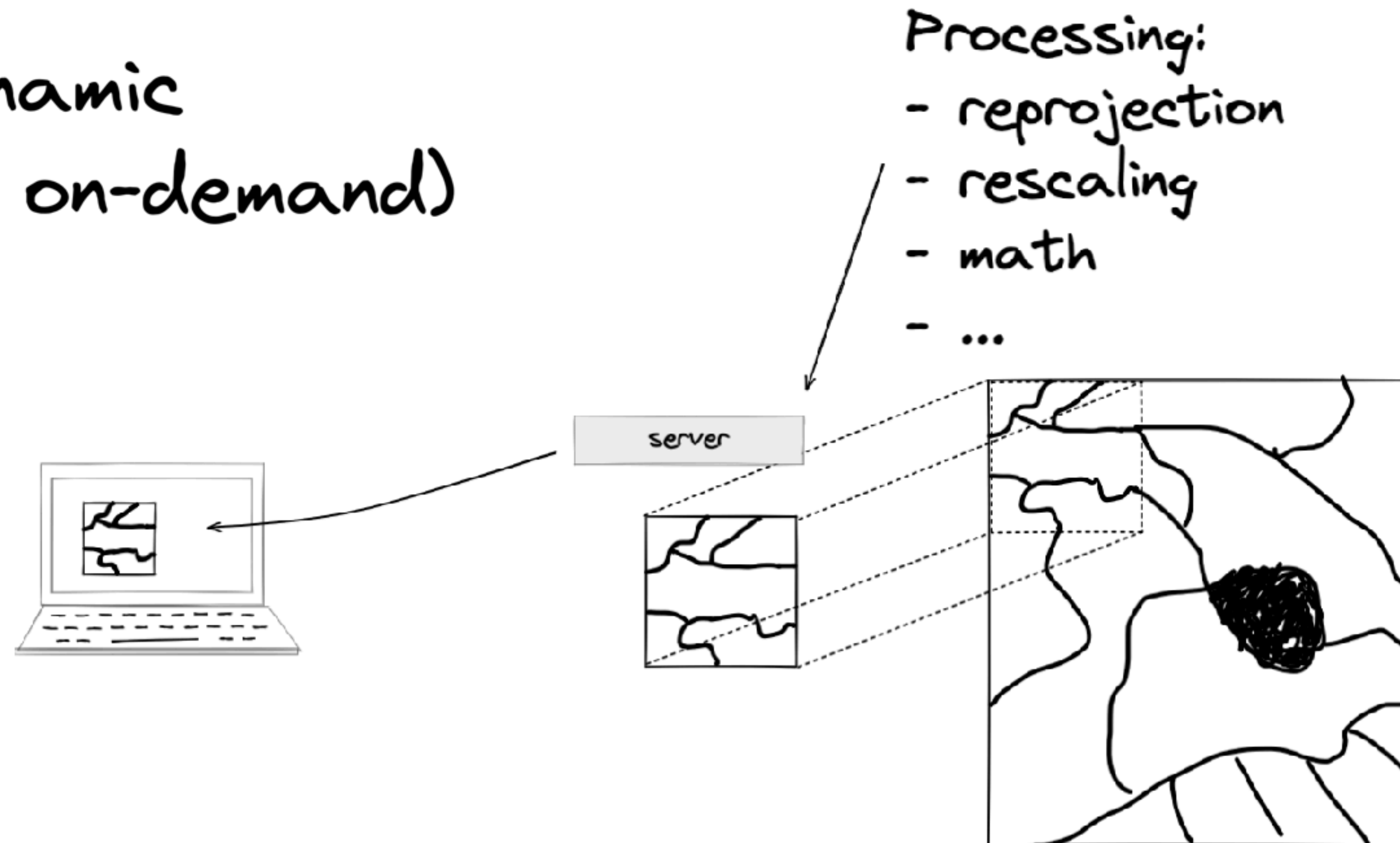
<https://developmentseed.org/titiler/>



Static (pre-rendered)



Dynamic (rendering on-demand)



What?



Python ≥ 3.7

rio-tiler
morecantile
rio-cogeo
cogeo-mosaic



Rasterio / GDAL / PyProj

 FastAPI

Demo



TiTiler-PgstAC

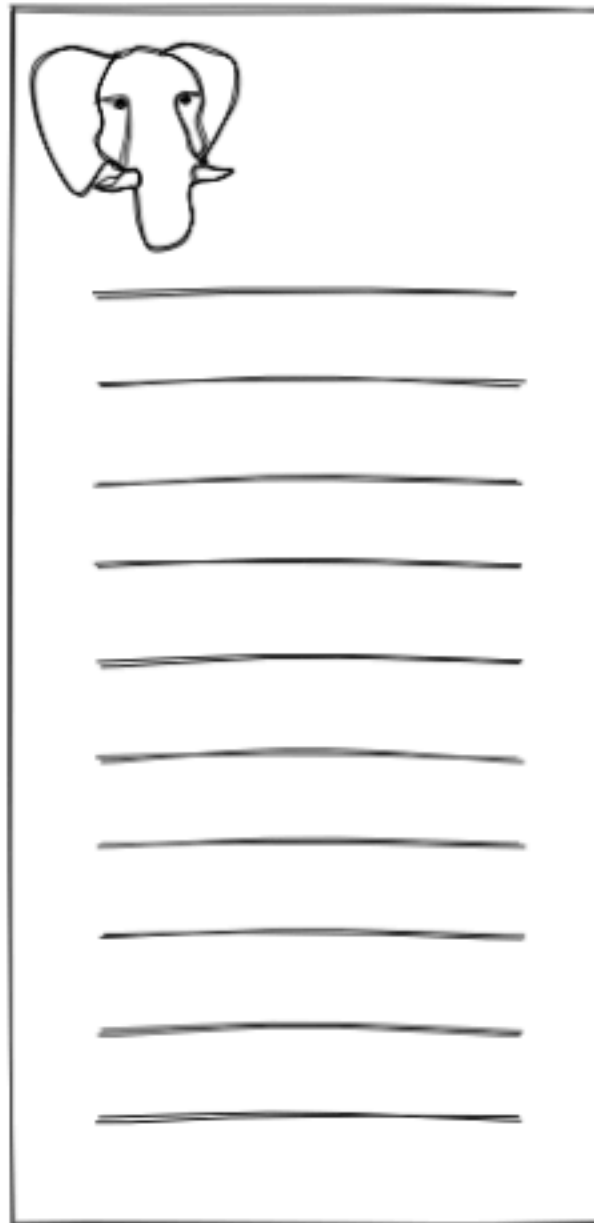


SpatioTemporal
Asset Catalog

<https://stac-utils.github.io/titiler-pgstac/>



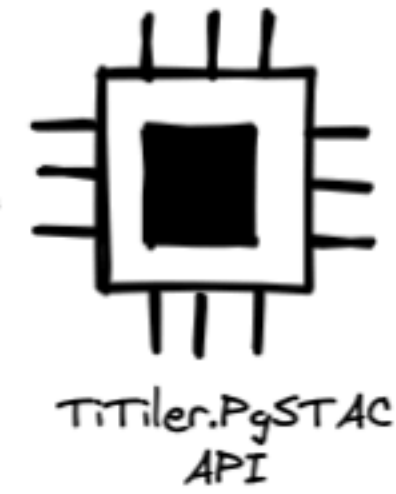
STAC Database (PgSTAC)



Run Search query for each tile requests

Return a FeaturesCollection

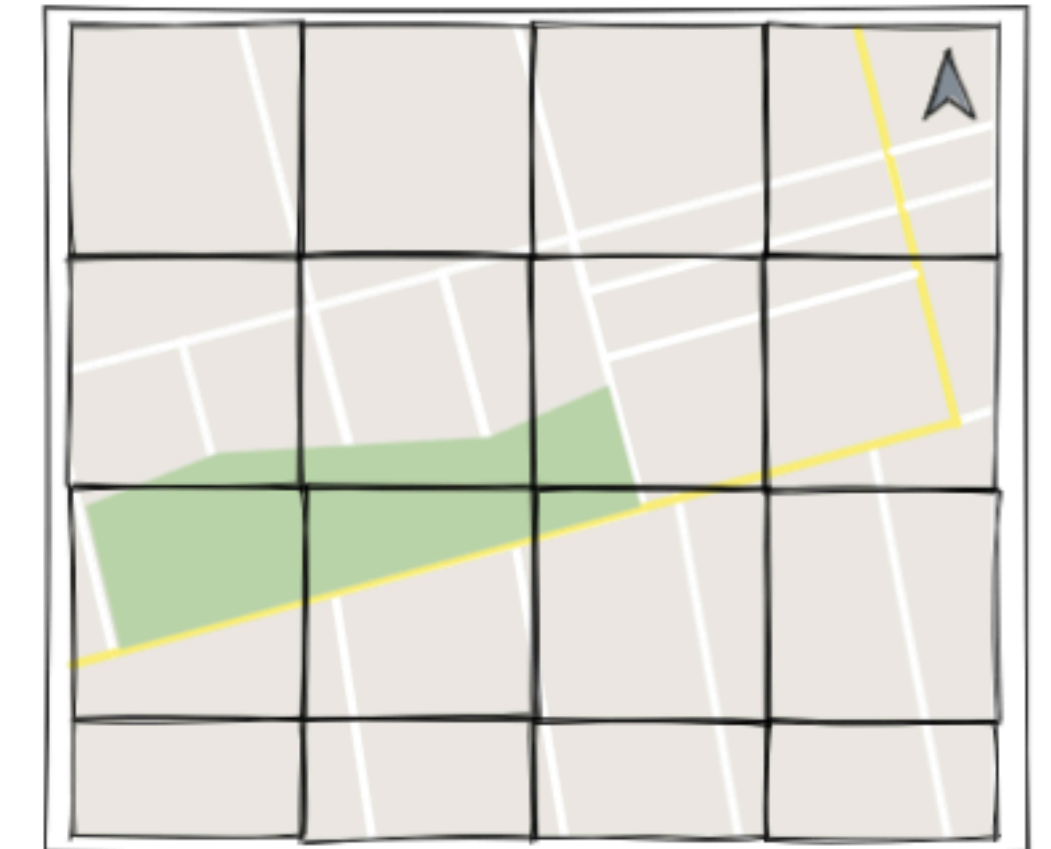
```
{
  "type": "FeatureCollection",
  "features": [
    {
      "id": "item1",
      "bbox": [1, 2, 3, 4],
      "assets": [
        {
          "href": "http://urltoasset.io",
          "type": "image"
        }
      ]
    }
  ]
}
```



TiTiler.PgSTAC
API

GET -> /tiles/{searchid}/{z}/{x}/{y}?assets={asset1...}

Map Client



Demo

eoAPI

Earth Observation API (STAC + dynamic Raster)

<https://github.com/developmentseed/eoAPI>

Ping Me!



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