

eoAPI

The Earth Observation API

eo What?

A FULL Earth Observation API in one command line?

eo What?

A FULL Earth Observation API in *Maybe two!* command line?

eo What?

A FULL Earth Observation API in four command line

State of the art components

Metadata store



State of the art components

Raster Service



State of the art components

Vector Service



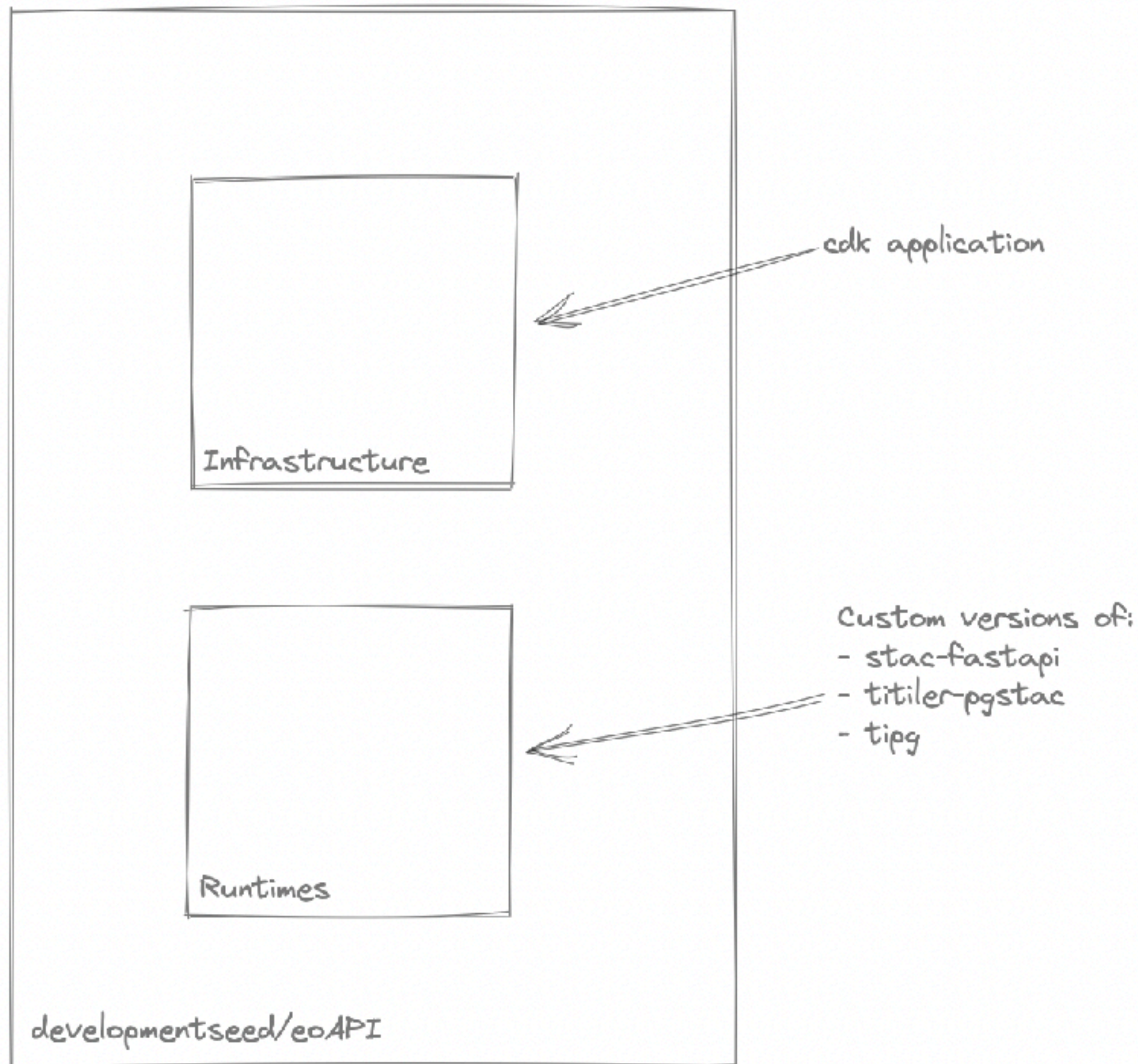
State of the art components

Metadata Service

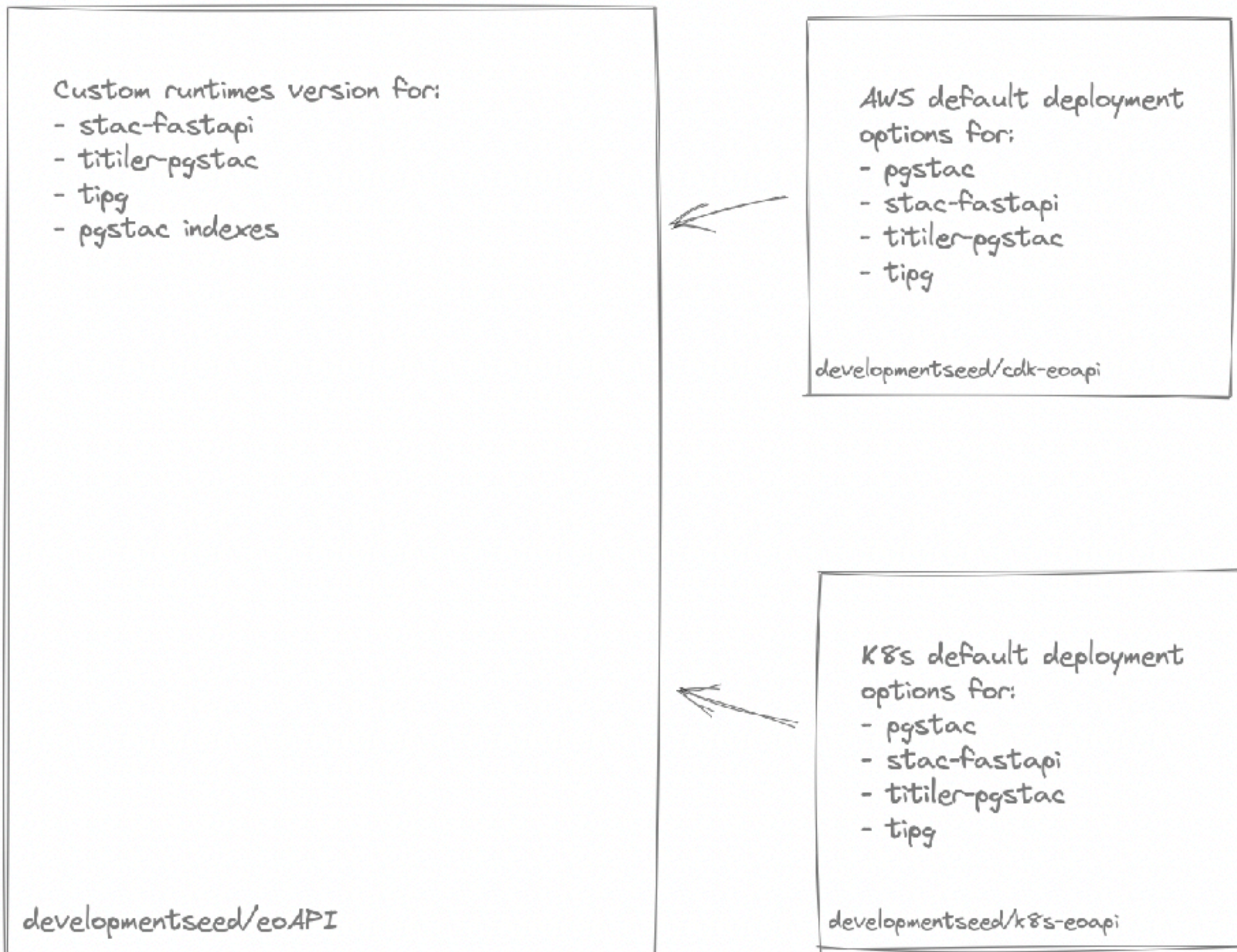


Infrastructure and Custom Runtimes

Current state



Proposed



Deployment

```
git clone https://github.com/developmentseed/eoapi.git && cd eoapi
```

```
# Install CDK python requirements
```

```
python -m pip install -r infrastructure/aws/requirements-cdk.txt
```

```
# Install Node module
```

```
npm --prefix infrastructure/aws install
```

```
# Bootstrap CDK - Optional
```

```
CDK_EOAPI_STAGE=staging \
```

```
CDK_EOAPI_DB_PGSTACK_VERSION=0.7.1 \
```

```
npm --prefix infrastructure/aws run cdk -- bootstrap
```

```
# Deploy stack
```

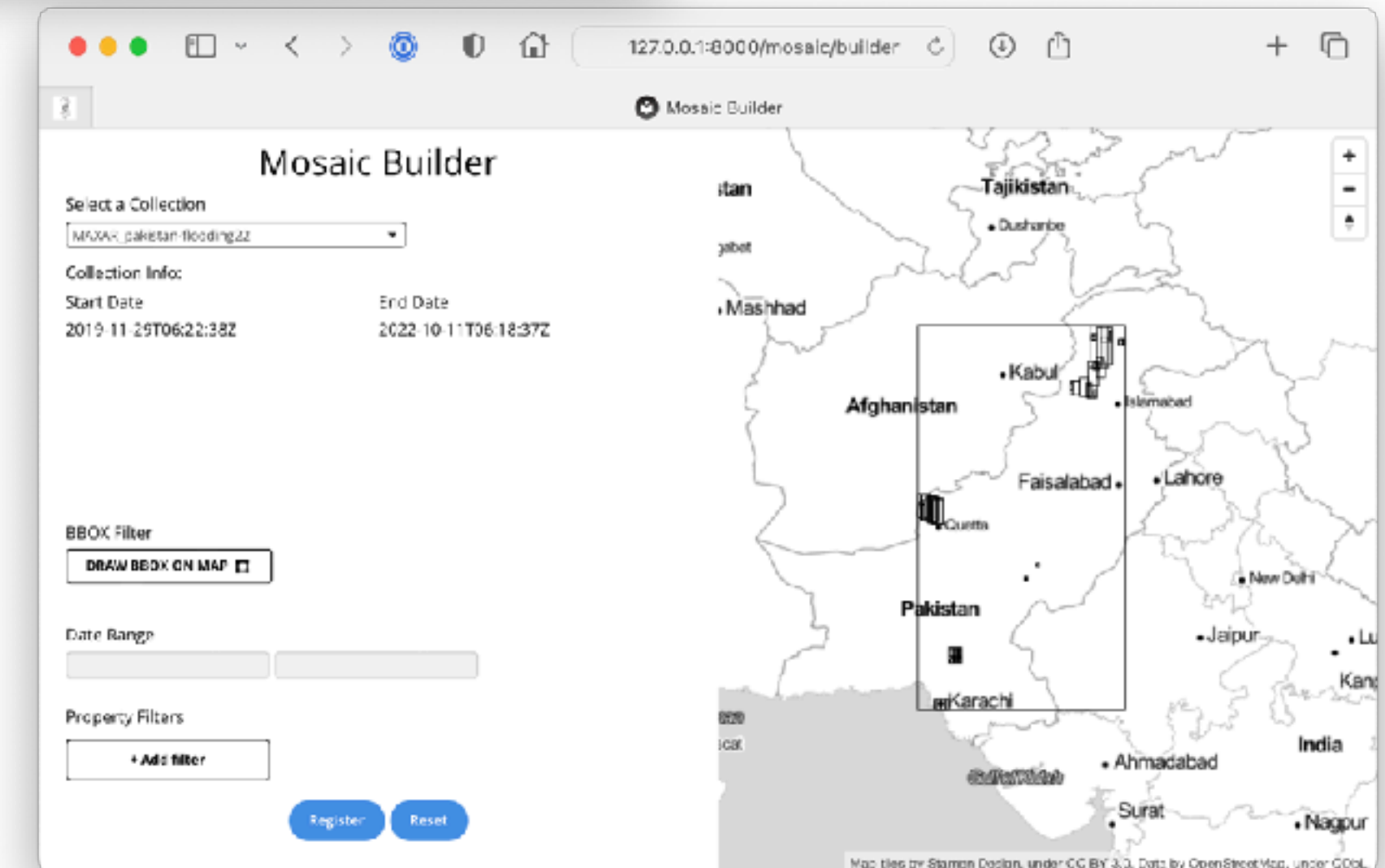
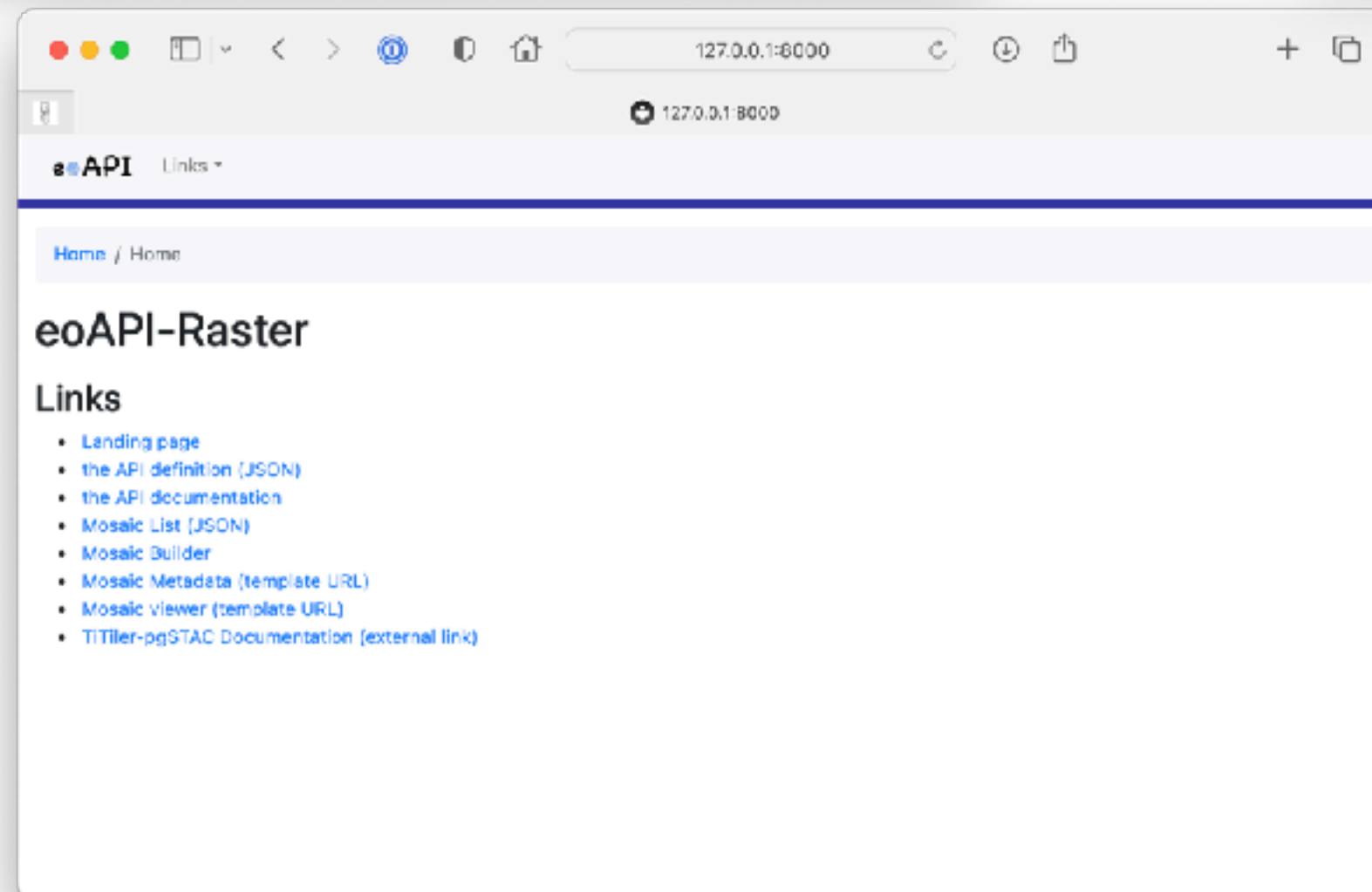
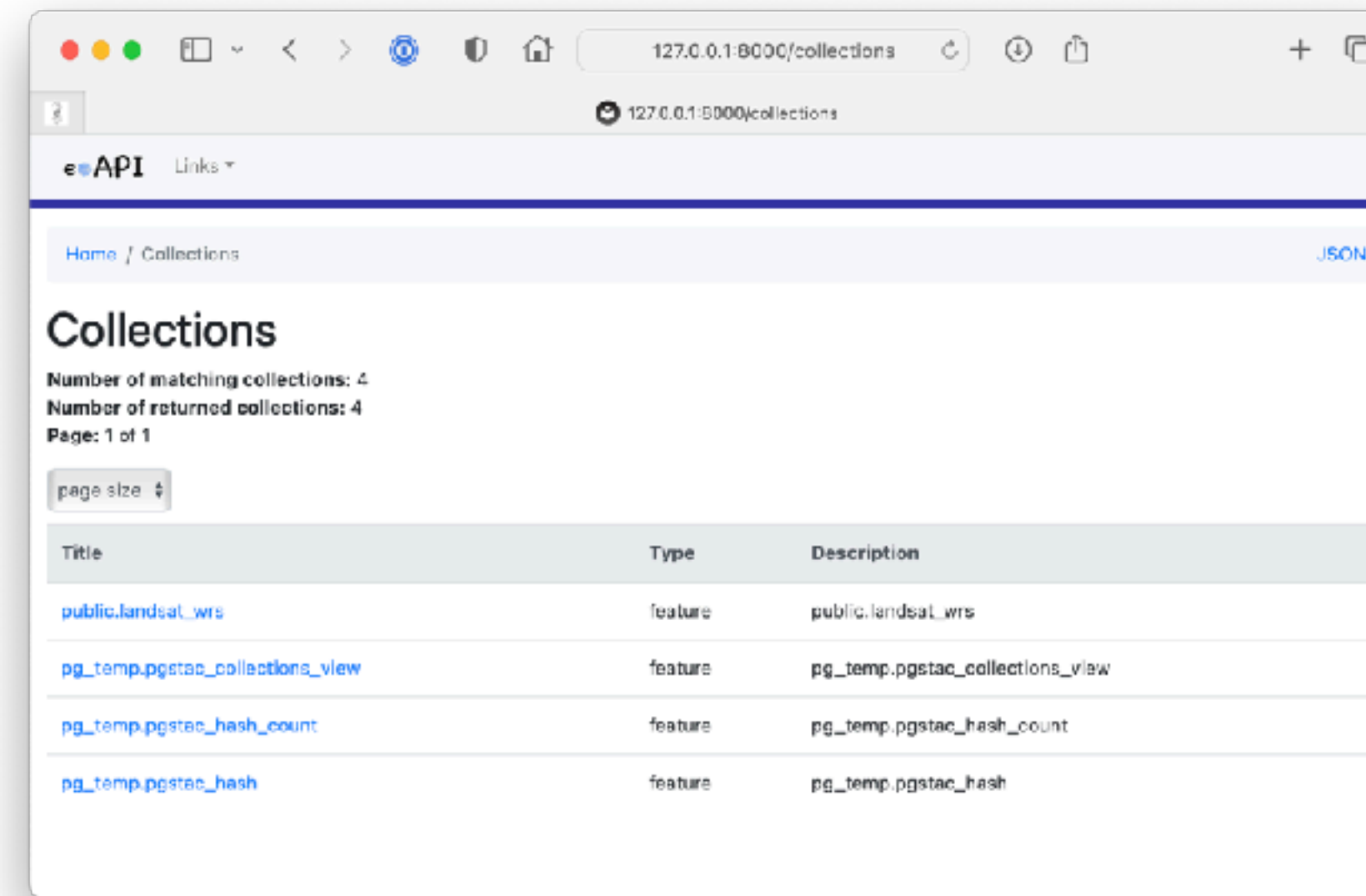
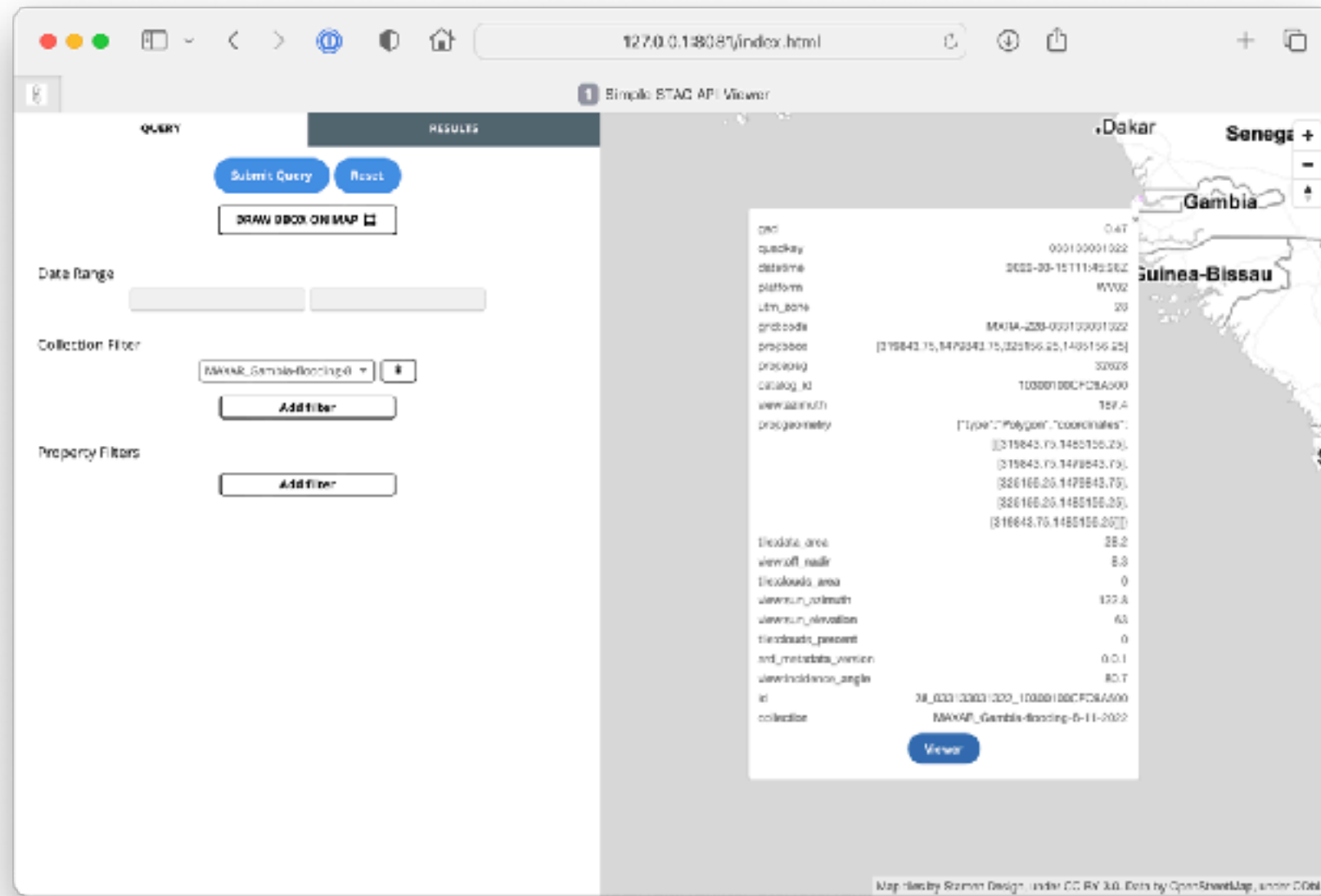
```
CDK_EOAPI_STAGE=staging \
```

```
CDK_EOAPI_DB_PGSTACK_VERSION=0.7.1 \
```

```
npm --prefix infrastructure/aws run cdk -- deploy eoAPI-staging
```

<https://developmentseed.org/eoAPI/deployment/>

Infrastructure and Custom Runtimes





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

<https://github.com/developmentseed/k8s-eoAPI>*

<https://github.com/developmentseed/cdk-eoAPI>*

*Work-in-progress

TiPg: a Simple and Fast OGC Features and Tiles API for PostGIS.

2023-06-28, 15:00-15:30 Mirusha



Ping Me!



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@cogeotiff
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Join the team & make a better planet.
<https://developmentseed.org/careers>