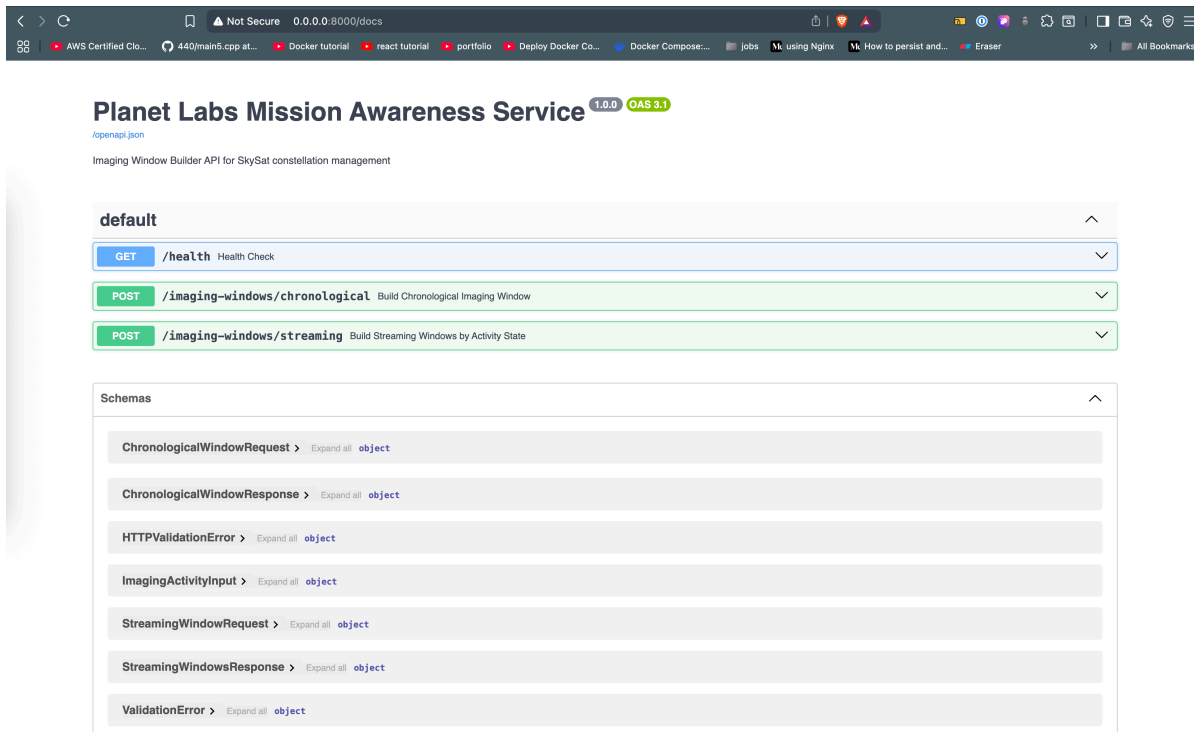


Planet Labs Mission Awareness Service

Proof of execution

1. Using CLI

```
~/honey_project
make run
python scripts/run_server.py
INFO: Will watch for changes in these directories: ['/Users/abhishekmanyam/honey_project']
INFO: Uvicorn running on http://0.0.0.0:8000 (Press CTRL+C to quit)
INFO: Started reloader process [67506] using WatchFiles
INFO: Started server process [67547]
INFO: Waiting for application startup.
INFO: Application startup complete.
```



default

GET /health Health Check

POST /imaging-windows/chronological Build Chronological Imaging Window

Sorts imaging activities chronologically by start time for basic customer visibility

Parameters

No parameters

Request body required

application/json

```
{
  "activities": [
    {
      "satellite_hw_id": "s112",
      "start_time": "2024-07-12T01:03:49Z",
      "end_time": "2024-07-12T01:04:08Z"
    },
    {
      "satellite_hw_id": "s112",
      "start_time": "2024-07-12T00:34:05Z",
      "end_time": "2024-07-12T00:34:08Z"
    },
    {
      "satellite_hw_id": "s112",
      "start_time": "2024-07-12T01:12:18Z",
      "end_time": "2024-07-12T01:12:28Z"
    },
    {
      "satellite_hw_id": "s112"
    }
  ]
}
```

Execute

Responses

Code	Description	Links
200	Successful Response	No links

Media type

Request URL

http://0.0.0.0:8000/imaging-windows/chronological

Server response

Code	Details
200	<p>Response body</p> <pre>{ "window": [{ "satellite_hw_id": "s112", "start_time": "2024-07-12T00:34:05Z", "end_time": "2024-07-12T00:34:08Z" }, { "satellite_hw_id": "s112", "start_time": "2024-07-12T00:34:58Z", "end_time": "2024-07-12T00:35:20Z" }, { "satellite_hw_id": "s112", "start_time": "2024-07-12T00:37:58Z", "end_time": "2024-07-12T00:38:20Z" }, { "satellite_hw_id": "s112", "start_time": "2024-07-12T00:48:58Z", "end_time": "2024-07-12T00:49:20Z" }, { "satellite_hw_id": "s112", "start_time": "2024-07-12T01:03:49Z" }] }</pre> <p>Response headers</p> <pre>content-length: 798 content-type: application/json date: Wed, 09 Jul 2025 20:43:05 GMT server: uvicorn</pre>

Responses

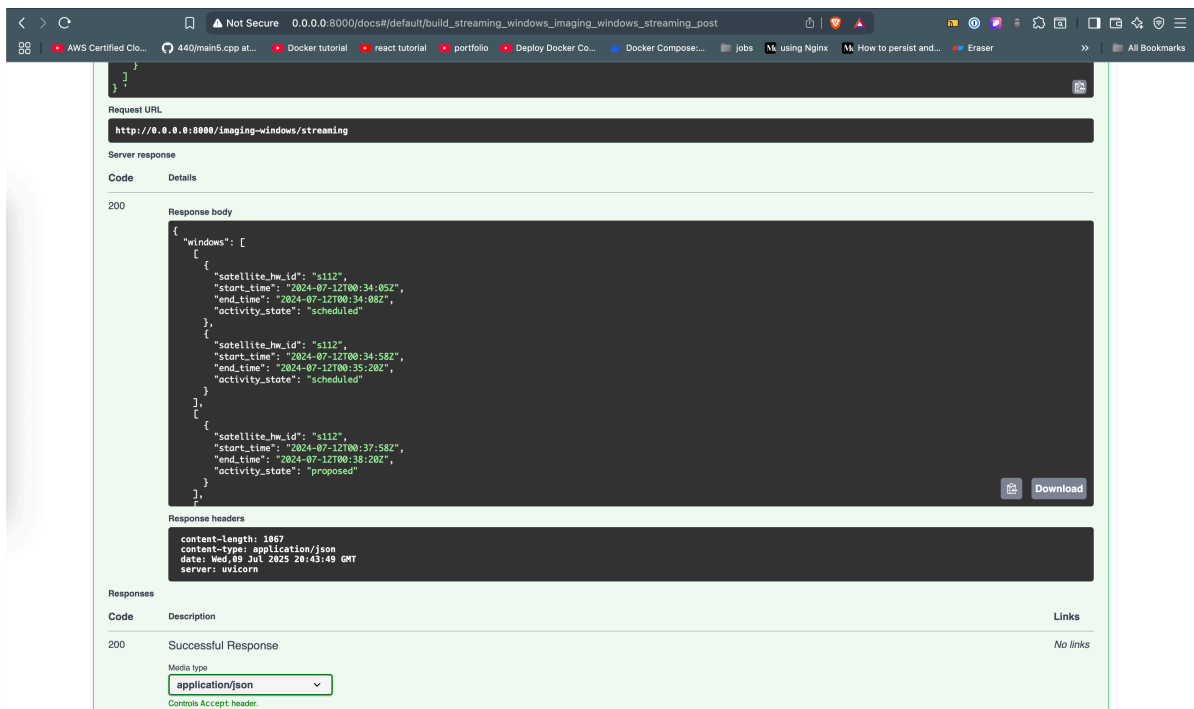
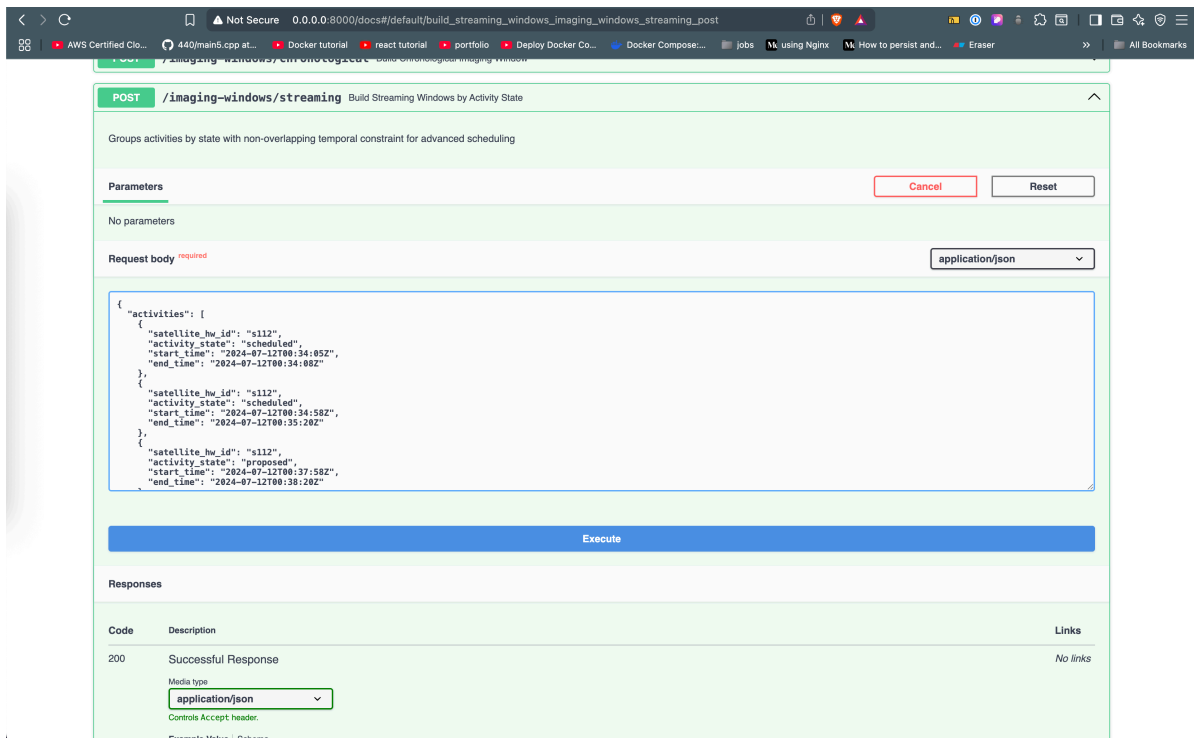
Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

Example Value Schema

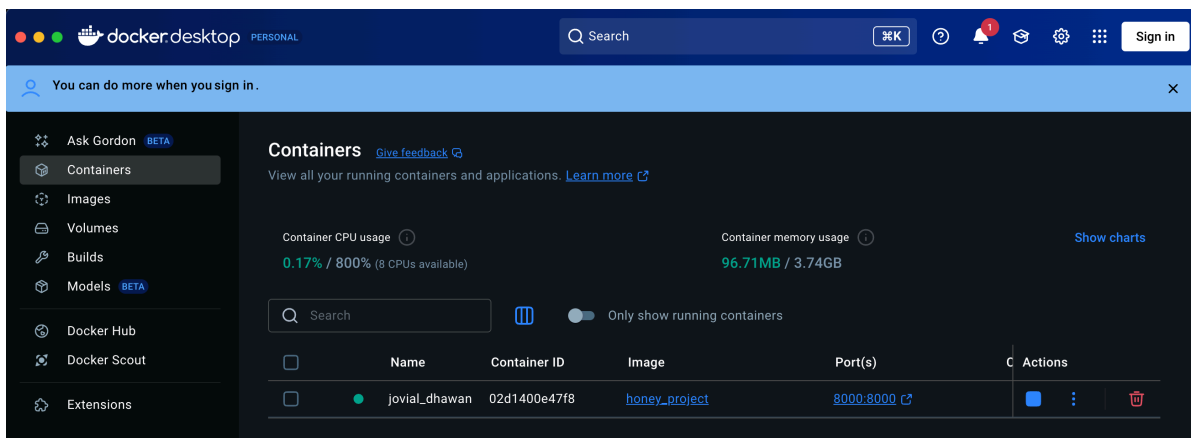


2. Using Docker

```
Problems Output Debug Console Terminal Ports
~/honey_project
docker build -t honey_project .
[+] Building 1.4s (15/15) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 1.24kB
=> WARN: FromAsCasing: 'as' and 'FROM' keywords' casing do not match (line 2)
=> WARN: FromAsCasing: 'as' and 'FROM' keywords' casing do not match (line 25)
=> [internal] load metadata for docker.io/library/python:3.11-slim
=> [internal] load .dockerignore
=> transferring context: 578B
=> [base 1/4] FROM docker.io/library/python:3.11-slim@sha256:139020233ccc412efe4c8135b0efe1c7569dc8b28ddd88bddb109b764f8977e30
=> resolve docker.io/library/python:3.11-slim@sha256:139020233ccc412efe4c8135b0efe1c7569dc8b28ddd88bddb109b764f8977e30
=> [internal] load build context
=> transferring context: 19.51kB
=> CACHED [base 2/4] WORKDIR /app
=> CACHED [base 3/4] RUN apt-get update && apt-get install -y --no-install-recommends curl gcc && rm -rf /var/lib/apt/lists
=> CACHED [base 4/4] RUN groupadd --gid 1000 appuser && useradd --uid 1000 --gid appuser --shell /bin/bash --create-home appuser
=> CACHED [production 1/6] COPY requirements.txt .
=> CACHED [production 2/6] RUN pip install --no-cache-dir --upgrade pip && pip install --no-cache-dir -r requirements.txt
=> [production 3/6] COPY src/ ./src/
=> [production 4/6] COPY data/ ./data/
=> [production 5/6] COPY scripts/ ./scripts/
=> [production 6/6] RUN chown -R appuser:appuser /app
=> exporting to image
=> exporting layers
=> exporting manifest sha256:54f91f23b8e4e76aa9baee2a21a253f3c3b96cc37fb2efc0607dd69ddcde412
=> exporting config sha256:41314d2d778c5d5adda09e6e0a9701c5f778e1002f0d2ab1e0f04127410d8469
=> exporting attestation manifest sha256:87c9feff12c947393a74926a9f9ea622bbeb44d58c9cf30b5ddc0a22e151848c
=> exporting manifest list sha256:580124f275ed05f777d24c5435366ccbd5044f1a6a4b3d5f6055d2b6fc54a
=> naming to docker.io/library/honey_project:latest
=> unpacking to docker.io/library/honey_project:latest

2 warnings found (use docker --debug to expand):
- FromAsCasing: 'as' and 'FROM' keywords' casing do not match (line 2)
- FromAsCasing: 'as' and 'FROM' keywords' casing do not match (line 25)
```

```
docker run -p 8000:8000 honey_project
INFO: Will watch for changes in these directories: ['/app']
INFO: Uvicorn running on http://0.0.0.0:8000 (Press CTRL+C to quit)
INFO: Started reloader process [1] using WatchFiles
INFO: Started server process [8]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: 127.0.0.1:36786 - "GET /health HTTP/1.1" 200 OK
```



localhost:8000/docs

Planet Labs Mission Awareness Service 1.0.0 OAS 3.1

openapi.json

Imaging Window Builder API for SkySat constellation management

default

GET /health Health Check

POST /imaging-windows/chronological Build Chronological Imaging Window

POST /imaging-windows/streaming Build Streaming Windows by Activity State

Schemas

ChronologicalWindowRequest > Expand all object

ChronologicalWindowResponse > Expand all object

Planet Labs Mission Awareness Service

5