









 cocoindex-io / cocoindex



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 georgeh0 chore: bump cocoindex dependency version (#984) ✓

cab0cce · 6 hours ago



Name	Name	Last commit date
 ..		
 files	ops: add pre-commit and hooks f...	3 months ago
 .dockerignore	Added new fastapi_server_docker...	4 months ago
 .env	chore: set PYTORCH_ENABLE_MPS_FA...	3 weeks ago
 README.md	ops: add pre-commit and hooks f...	3 months ago
 compose.yaml	simplify the fast api example & u...	4 months ago
 dockerfile	simplify the fast api example & u...	4 months ago
 main.py	example: switch from storages to...	3 months ago
 requirements.txt	chore: bump cocoindex depende...	6 hours ago

README.md



Run docker container with a simple query endpoint via fastapi

In this example, we will build index for text embedding from local markdown files, and provide a simple query endpoint via fastapi. We provide a simple docker container using docker compose to build pgvector17 along with a simple python fastapi script

We appreciate a star ★ at [CocoIndex Github](https://github.com/cocoindex-io/cocoindex) if this is helpful.

Run locally without docker

In the `.env` file, use local Postgres URL

```
# For local testing
COCOINDEX_DATABASE_URL=postgres://cocoindex:cocoindex@localhost/cocoindex
```



- Install dependencies:

```
pip install -e .
```



- Setup:

```
cocoindex setup main.py
```



- Update index:

```
cocoindex update main.py
```



- Run:

```
uvicorn main:fastapi_app --reload --host 0.0.0.0 --port 8000
```



Query the endpoint

```
```bash
curl "http://localhost:8000/search?q=model&limit=3"
```
```



Run Docker

In the `.env` file, use Docker Postgres URL

```
COCOINDEX_DATABASE_URL=postgres://cocoindex:cocoindex@coco_db:5436/cocoindex
```



Build the docker container via:

```
docker compose up --build
```



Test the endpoint:

```
curl "http://0.0.0.0:8080/search?q=model&limit=3"
```

