

Creado por:

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Docker Compose

Crear multiples servicios de una sola vez

Creamos una carpeta de proyecto donde tendremos la carpeta app y el archivo Dockerfile:

In []:

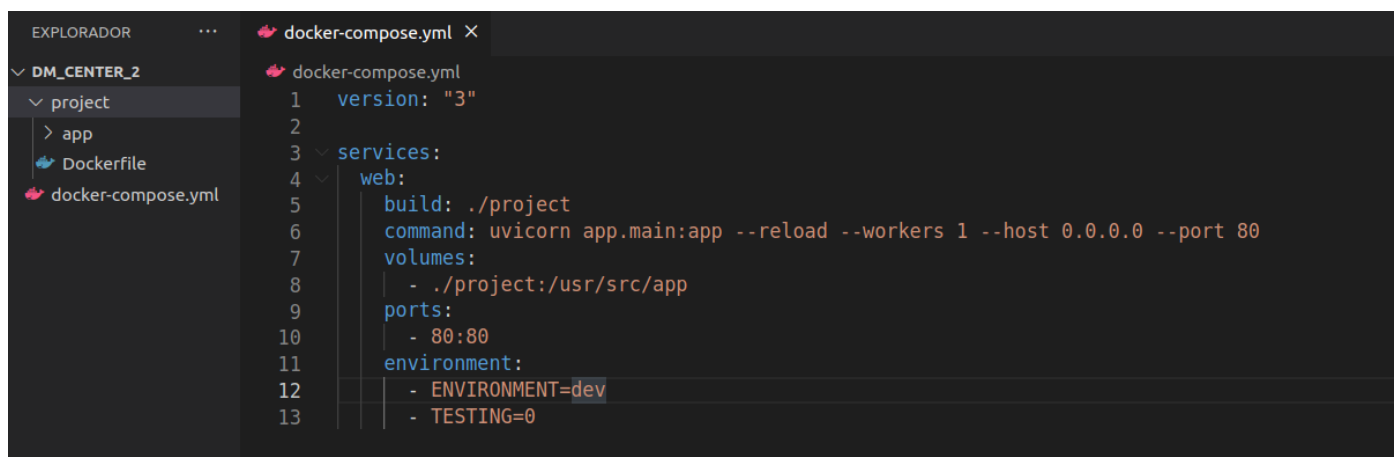
```
|DM_Center
|  |Project
|  |  |app
|  |    |main.py
|  |    |models.py
|  |  |Dockerfile
```

Creamos el archivo docer-compose.yml:

In []:

```
version: "3"

services:
  web:
    build: ./project
    command: uvicorn app.main:app --reload --workers 1 --host 0.0.0.0 --port 80
    volumes:
      - ./project:/usr/src/app
    ports:
      - 80:80
    environment:
      - ENVIRONMENT=dev
      - TESTING=0
```



Ejucutamos para construir la imagen con:

- docker-compose build

```

isabel@isabel-SVE1512E1EW:~/FEI_projects/DM_Center_2$ docker-compose build
Building web
Step 1/5 : FROM python:3.8
3.8: Pulling from library/python
f606d8928ed3: Pull complete
47db815c6a45: Pull complete
bf4849400000: Pull complete
a572f7a256d3: Pull complete
8f7d05258955: Pull complete
7110f04115ae: Pull complete
e06ef06dbaac: Pull complete
da646a36a161: Pull complete
845557d01003: Pull complete
Digest: sha256:041a09359fda61a2b58cec5201560646b66e05137ce2af1cab9ceec920279b53
Status: Downloaded newer image for python:3.8
--> 34fed916a9ea
Step 2/5 : RUN pip install fastapi uvicorn[standard]
--> Running in ad7cb626ec06
Collecting fastapi
  Downloading fastapi-0.85.0-py3-none-any.whl (55 kB)
    _____ 55.3/55.3 KB 465.1 kB/s eta 0:00:00
Collecting uvicorn[standard]
  Downloading uvicorn-0.18.3-py3-none-any.whl (57 kB)
    _____ 57.4/57.4 KB 557.6 kB/s eta 0:00:00
Collecting pydantic!=1.7,!<1.7.1,!<1.7.2,!<1.7.3,!<1.8,!<1.8.1,<2.0.0,>=1.6.2
  Downloading pydantic-1.10.2-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (13.6 MB)
    _____ 13.6/13.6 MB 4.0 MB/s eta 0:00:00
Collecting starlette==0.20.4
  Downloading starlette-0.20.4-py3-none-any.whl (63 kB)
    _____ 63.6/63.6 KB 3.3 MB/s eta 0:00:00
Collecting typing-extensions>=3.10.0
  Downloading typing_extensions-4.4.0-py3-none-any.whl (26 kB)
Collecting anyio<5,>=3.4.0
  Downloading anyio-3.6.1-py3-none-any.whl (80 kB)
    _____ 80.6/80.6 KB 3.9 MB/s eta 0:00:00
Collecting h11>=0.8
  Downloading h11-0.14.0-py3-none-any.whl (58 kB)
    _____ 58.3/58.3 KB 4.2 MB/s eta 0:00:00
Collecting click>=7.0
  Downloading click-8.1.3-py3-none-any.whl (96 kB)
    _____ 96.6/96.6 KB 6.7 MB/s eta 0:00:00
Collecting python-dotenv>=0.13
  Downloading python_dotenv-0.21.0-py3-none-any.whl (18 kB)
Collecting pyyaml>=5.1
  Downloading PyYAML-6.0.1-cp38-cp38-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (755 kB)
    _____ 755.0/755.0 kB 11.0 MB/s eta 0:00:00

```

para ejecutar la aplicación ponemos:

- docker-compose up

```

isabel@isabel-SVE1512E1EW:~/FEI_projects/DM_Center_2$ docker-compose up
Creating network "dm_center_2_default" with the default driver
Creating dm_center_2_web_1 ... done
Attaching to dm_center_2_web_1
web_1 | INFO:      Will watch for changes in these directories: ['/']
web_1 | INFO:      Uvicorn running on http://0.0.0.0:80 (Press CTRL+C to quit)
web_1 | INFO:      Started reloader process [1] using WatchFiles
web_1 | INFO:      Started server process [7]
web_1 | INFO:      Waiting for application startup.
web_1 | INFO:      Application startup complete.
web_1 | INFO:      172.19.0.1:55416 - "GET /docs HTTP/1.1" 200 OK
web_1 | email-validator not installed, email fields will be treated as str.
web_1 | To install, run: pip install email-validator
web_1 | INFO:      172.19.0.1:55416 - "GET /api/v0.1/openapi.json HTTP/1.1" 200 OK

```

Para poner en segundo plano es:

- `docker-compose up -d`

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