Docker

Dockerfile:

**# syntax=docker/dockerfile:1**

**FROM python:3**

**ENV PYTHONDONTWRITEBYTECODE=1**

**ENV PYTHONUNBUFFERED=1**

**WORKDIR /code**

**COPY requirements.txt /code/**

**RUN pip install -r requirements.txt**

**COPY . /code/**

requirements.txt:

**Django>=3.0,<4.0**

**psycopg2>=2.8**

docker-compose.yml:

**version: "3.9"**

**services:**

**db:**

**image: postgres**

**volumes:**

**- ./data/db:/var/lib/postgresql/data**

**environment:**

**- POSTGRES\_DB=postgres**

**- POSTGRES\_USER=postgres**

**- POSTGRES\_PASSWORD=postgres**

**web:**

**build: .**

**command: python manage.py runserver 0.0.0.0:8000**

**volumes:**

**- .:/code**

**ports:**

**- "8000:8000"**

**environment:**

**- POSTGRES\_NAME=postgres**

**- POSTGRES\_USER=postgres**

**- POSTGRES\_PASSWORD=postgres**

**depends\_on:**

**- db**

**sudo docker-compose run web django-admin startproject composeexample .**

**ls -l**

settings.py:

**DATABASES = {**

**'default': {**

**'ENGINE': 'django.db.backends.postgresql',**

**'NAME': os.environ.get('POSTGRES\_NAME'),**

**'USER': os.environ.get('POSTGRES\_USER'),**

**'PASSWORD': os.environ.get('POSTGRES\_PASSWORD'),**

**'HOST': 'db',**

**'PORT': 5432,**

**}**

**}**

**docker-compose up**

<https://docs.docker.com/samples/django/>