

Part 2

[slide 10]

(you can copy the files from part 1 to another folder, and start from there)

Let's build a web app.

Go to <http://flask.pocoo.org/>!

```
$ pip install Flask
```

Change app.py to:

```
from flask import Flask
app = Flask(__name__)
```

```
@app.route("/")
def hello():
    return "Hello World!"
```

```
app.run(host="0.0.0.0", debug=True)
```

Run the app and check <http://0.0.0.0:5000/>:

```
$ python app.py
```

Remove the sleeper from docker-compose.yml:

```
version: "3"
services:
  app:
    build: .
```

Run `docker-compose up --build` and check <http://0.0.0.0:5000/>.

It doesn't work. Why?

We need to expose and publish the container's port 5000 to the host (our machine):

```
version: "3"
services:
  app:
    build: .
    ports:
      - "3333:5000"
```

The above publishes container's port 5000 on host's port 3333.

Run `docker-compose up` and <http://0.0.0.0:3333/>.