

```
version: '3'
```

```
services:
```

```
  psiturk:
```

```
    container_name: my-experiment
```

```
    build: .
```

```
    volumes:
```

```
      - ./exp:/exp
```

```
    tty: true
```

```
    stdin_open: true
```

```
    restart: unless-stopped
```

```
  nginx:
```

```
    container_name: my-experiment-nginx
```

```
    image: nginx:latest
```

```
    ports:
```

```
      - 80:80
```

```
    volumes:
```

```
      - ./exp:/var/www/exp:ro
```

```
      - ./default.conf:/etc/nginx/conf.d/default.conf
```

```
    restart: unless-stopped
```

```
  db:
```

```
    container_name: my-experiment-db
```

```
    image: mysql:5.7
```

```
    volumes:
```

```
      - ./data/db:/var/lib/mysql
```

```
    environment:
```

```
      MYSQL_ROOT_PASSWORD: mypassword
```

```
      MYSQL_DATABASE: participants
```

```
      MYSQL_USER: paxton
```

```
      MYSQL_PASSWORD: psiturk
```

```
    restart: unless-stopped
```

```
  adminer:
```

```
    container_name: my-experiment-adminer
```

```
    image: adminer:latest
```

```
    ports:
```

```
      - 127.0.0.1:8080:8080
```

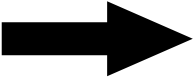
• Pull the index: What's in the Docker Hub

• Map host port 80 to container port 80

- create two mount points:

• hostexpdirectory ➡ NGINX web robot

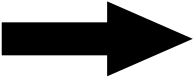
• NGINX config file ➡ expected location





Container 2: NGINX

(reverse proxy server for load balancing)





Behavioral experiments in Docker

docker-compose.yml

(greater concurrency than default SQLite DB)

Container 3: MySQL database

Container 2: NGINX

(reverse proxy server for load balancing)

