
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:

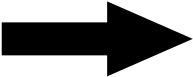
- 127.0.0.1:8080:8080

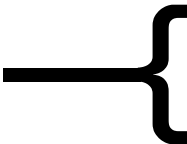
o Build context

- Mount the host directory `exp` to `/exp` in the container

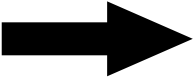
- Allocate a pseudo-TTY and send stdin to the container (so we can run an interactive shell)

- If the container fails for some reason, restart it unless we explicitly stoppped it.






Container 1: psiTurk server





Behavioral experiments in Docker

docker-compose.yml


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

• Mount the host directory `xp` to `/exp` in the

container (we can run an interactive shell)

• Allocate a pseud-TTY and send it to the


• If the container fails for the reason, restart it

unless we explicitly stop it.

containter

(reverse proxy server for load balancing)

Container 2: NGINX



```
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
```