



docker

docker-compose.yml

• We need 3 support services to run MTurk

• Normally complex to configure, tedious to manage

• But Don't make this much easier!

• All 3 available Docker Hub ready-to-run images

- `docker-compose`: build, start and stop entire setup with a single command

• Configure full application in 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
```

my_experiment/
└─ exp/
 └─ data/

• `docker-compose build, start and stop` entire setup with a

singled out

Container 1: psiTurk server



exp/

L

data/

my experience



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