



**Behavioral experiments in Docker**

Running siTurk through Docker

• 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

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

singled out












**Container 1: psiTurk server**

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

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restart: unless-stopped

adminer:

container\_name: my-experiment-adminer

image: adminer:latest

ports:

- 127.0.0.1:8080:8080