







# HyperCycle Workshop

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Blockhack 2023

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#### Overview

- 1. Access your AWS Instance
- 2. Set Up Greeting AIM
- 3. Frontend Demo
- 4. Set Up Greeting Frontend

- ► Required resources to run the examples are available at https://github.com/hypercycle-development/hypercycle-blockhack-2023
- ➤ To run the examples without an AWS instance on a local Ubuntu install (either native or in a VM), skip this section and all remote OS commands (ssh and scp/pscp) in section 2 (Set Up Greeting AIM)
  - ► In this case start with the sudo apt install command in section 2 and use localhost as your ip-address

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  - chmod 400 key-filename.pem

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  - ► Host servername

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Hostname your.instance.ip.address
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User ubuntu

IdentityFile ~/.ssh/key-filename.pem

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- 3. SSH in, update your instance and reboot
  - ssh servername OR ssh -i ~/.ssh.key-filename.pem ubuntu@ip-address
  - sudo apt update sudo apt upgrade
  - sudo reboot

- 1. Copy greeting\_aim tarball to your instance
  - ► (MacOS & Linux) scp greeting\_aim.tar.xz servername:
  - (Windows)

```
pscp -scp -i path-to-pem-file greeting_aim.tar.xz ubuntu@ip_address:
```

- https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html
- ssh servername OR ssh -i path-to-pem-file ubuntu@ip-address
- sudo apt install python3-pip
- tar -xvf greeting\_aim.tar.xz
- cd greeting\_aim
- pip install -r requirements.txt

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- 2. Run your service as a background process
  - python3 ./app/main.py &
  - ▶ Note the process number so you can stop it later (sudo kill process-number)

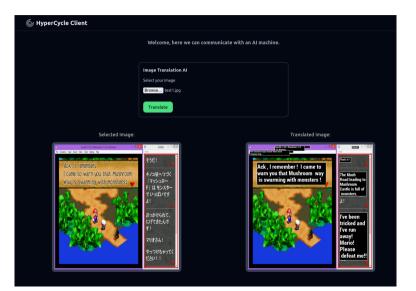
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- 3. Enter ip-address: 4000/greet in a browser window

## Frontend Demo

#### Frontend Demo



#### 1. Install nodejs and yarn

- ► (Ubuntu) sudo apt-get install curl
- ▶ url -fsSL https://deb.nodesource.com/setup\_16.x | sudo -E bash &&\
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- 3. Start UI service
  - yarn dev
- 4. View in webpage
  - http://localhost:5172

# Thank You!