



# HyperCycle Workshop

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# Overview

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

The background of the slide is composed of large, overlapping geometric shapes. In the top-left corner, there are two shades of green triangles. The bottom-left corner is a large light blue triangle. The remaining area is a light cream or off-white color.

Access your AWS Instance

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1. Get your .pem file and your ip address (user ubuntu)

- ▶ `cd /Downloads!`
- ▶ `mv key-filename.pem /.ssh!`
- ▶ `chmod 400 key-filename.pem!`

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- ▶ `mv key-filename.pem ~/.ssh!`
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## 2. Add entry in .ssh/config (MacOS & Linux)

- ▶ Host servername  
    Hostname your.instance.ip.address  
    User ubuntu  
    IdentityFile ~/.ssh/key-filename.pem

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2. Add entry in .ssh/config (MacOS & Linux)

- ▶ Host servername

- Hostname your.instance.ip.address

- User ubuntu

- IdentityFile ~/.ssh/key-filename.pem

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

The background features a white central area with green geometric shapes in the top-left and light blue shapes in the bottom-left, separated by diagonal lines.

## Set Up Greeting AIM

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## 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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- ▶ Note the process number so you can stop it later (`sudo kill process-number`)

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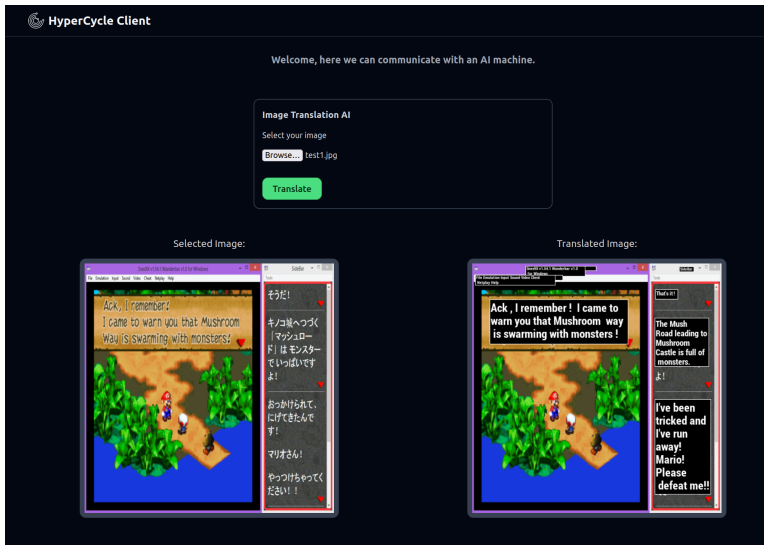
- ▶ `python3 ./app/main.py &`
- ▶ Note the process number so you can stop it later (`sudo kill process-number`)

## 3. Enter ip-address:8000/greet in a browser window

The background features a large white triangle pointing towards the top-left corner. The remaining areas are filled with solid colors: a medium green triangle in the top-left and a light blue triangle in the bottom-left.

# Frontend Demo

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## Set Up Greeting Frontend

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- ▶ (Ubuntu) `sudo apt-get install curl`
- ▶ `curl -fsSL https://deb.nodesource.com/setup_16.x | sudo -E bash - &&\`
- ▶ `sudo apt-get install nodejs`
- ▶ `npm install -global yarn`

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- ▶ note or change the app port
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## 4. View in webpage

- ▶ `http://localhost:5172`

Thank You!