# AWS

## How to access the planning machine through the terminal

* ssh -i /Users/esadot/.ssh/energy\_backend\_key.pem [ubuntu@ec2-3-127-11-59.eu-central-1.compute.amazonaws.com](mailto:ubuntu@ec2-3-127-11-59.eu-central-1.compute.amazonaws.com)

No need to change to a specific folder to start, stop and see services.

## How to run / stop / know the frontend server

* sudo systemctl start frontend
* sudo systemctl stop frontend
* sudo systemctl status frontend

## How to run / stop the backend server

* sudo systemctl start backend
* sudo systemctl stop backend
* sudo systemctl status backend

The frontend and backend have been installed to run automatically, via systemd, so they start automatically when the server is running, but you could disable the frontend and backend server automatic execution, respectively, with the commands:

* sudo systemctl disable frontend
* sudo systemctl disable backend

You can reenable the frontend and backend, respectively, with the commands:

* sudo systemctl enable frontend
* sudo systemctl enable backend

## Service files used:

The service files installed for the backend and frontend services are shown below:

### Front-end (/etc/systemd/system/frontend.service):

# I needed to install xsel

[Unit]

Description=Front-end

After=network.target

[Service]

ExecStart=/usr/bin/node /usr/bin/serve -s build

User=ubuntu

WorkingDirectory=/home/ubuntu/v045\_ec2/applications/simulation/code/frontend/dashboard-version\_0.2.0 2

KillMode=process

KillSignal=SIGTERM

TimeoutStopSec=5min

[Install]

WantedBy=multi-user.target

### Backend (/etc/systemd/system/backend.service):

[Unit]

Description=Back-end

After=network.target

[Service]

ExecStart=/home/ubuntu/v045\_ec2/applications/simulation/code/backend/django\_02/my\_env/bin/python -m uvicorn django\_02.asgi:application --host 0.0.0.0

User=ubuntu

WorkingDirectory=/home/ubuntu/v045\_ec2/applications/simulation/code/backend/django\_02

KillMode=process

KillSignal=SIGTERM

TimeoutStopSec=5min

[Install]

WantedBy=multi-user.target

Debugging:

For debugging, you should stop the frontend and backend server first, with the command:

sudo systemctl stop frontend backend

# Local machine

## How to run / stop the frontend server

* <specify the command to run the frontend server>
* <specify the command to stop the frontend server>
* <specify the command to know if the frontend server is up and running>

## How to run / stop the backend server

* <specify the command to run the backend server>
* <specify the command to stop the backend server>
* <specify the command to know if the backend server is up and running>

Do we need to change something to allow the planning application to run locally? or should I simply download all the code and run it?