**cml in AWS EC2**

เช็คอัพเดท

ubuntu@ip-172-31-43-140:~$ sudo apt-get update

Hit:1 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease

Hit:2 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease

Hit:3 http://ap-southeast-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease

Reading package lists... Done

ถ้ายังไม่มีโปรเจ็คให้โคนมาจาก Git

ubuntu@ip-172-31-43-140:~$ git clone https://github.com/MSukpirom/DemoProject.git

ถ้ามีแล้วจะขึ้นแบบนี้

fatal: destination path 'DemoProject' already exists and is not an empty directory.

เช็คข้างในโปรเจ็ค

ubuntu@ip-172-31-43-140:~$ ls -lrt

total 16

-rw-rw-r-- 1 ubuntu ubuntu 612 Mar 22 15:28 index.html

drwxrwxr-x 7 ubuntu www-data 4096 Mar 26 05:10 Pconnectacc

-rw------- 1 root root 349 Mar 26 06:32 nano.34058.save

drwxrwxr-x 4 ubuntu ubuntu 4096 Mar 26 08:41 DemoProject

เราจะทำโปรเจ็ค DemoProject

ubuntu@ip-172-31-43-140:~$ cd DemoProject

เช็คข้างใน DemoProject

ubuntu@ip-172-31-43-140:~/DemoProject$ ls -lrt

total 4

drwxrwxr-x 5 ubuntu ubuntu 4096 Mar 26 08:41 mu\_web

เข้าไปในโปรเจ็ค

ubuntu@ip-172-31-43-140:~/DemoProject$ cd mu\_web

เช็คอีกครั้ง

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ ls -lrt

total 148

-rw-rw-r-- 1 ubuntu ubuntu 135168 Mar 26 08:41 db.sqlite3

-rw-rw-r-- 1 ubuntu ubuntu 663 Mar 26 08:41 manage.py

drwxrwxr-x 3 ubuntu ubuntu 4096 Mar 26 08:41 Setting

drwxrwxr-x 5 ubuntu ubuntu 4096 Mar 26 08:41 blog

drwxrwxr-x 5 ubuntu ubuntu 4096 Mar 26 08:41 env

เช็คว่าได้ติดตั้ง Django และ python ยัง?

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ sudo apt install python3-pip -y

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

python3-pip is already the newest version (22.0.2+dfsg-1ubuntu0.4).

0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.

เช็ค list

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ pip list

Package Version

------------------- ----------------

asgiref 3.8.1

attrs 21.2.0

Automat 20.2.0

Babel 2.8.0

bcrypt 3.2.0

blinker 1.4

certifi 2020.6.20

chardet 4.0.0

click 8.0.3

cloud-init 23.4.4

colorama 0.4.4

command-not-found 0.3

configobj 5.0.6

constantly 15.1.0

crispy-bootstrap4 2024.1

cryptography 3.4.8

dbus-python 1.2.18

distro 1.7.0

distro-info 1.1+ubuntu0.2

Django 5.0.3

django-crispy-forms 2.1

ec2-hibinit-agent 1.0.0

hibagent 1.0.1

httplib2 0.20.2

hyperlink 21.0.0

idna 3.3

importlib-metadata 4.6.4

incremental 21.3.0

jeepney 0.7.1

Jinja2 3.0.3

jsonpatch 1.32

jsonpointer 2.0

jsonschema 3.2.0

keyring 23.5.0

launchpadlib 1.10.16

lazr.restfulclient 0.14.4

lazr.uri 1.0.6

MarkupSafe 2.0.1

more-itertools 8.10.0

netifaces 0.11.0

oauthlib 3.2.0

pexpect 4.8.0

pip 22.0.2

ptyprocess 0.7.0

pyasn1 0.4.8

pyasn1-modules 0.2.1

PyGObject 3.42.1

PyHamcrest 2.0.2

PyJWT 2.3.0

pyOpenSSL 21.0.0

pyparsing 2.4.7

pyrsistent 0.18.1

pyserial 3.5

python-apt 2.4.0+ubuntu3

python-debian 0.1.43+ubuntu1.1

python-magic 0.4.24

pytz 2022.1

PyYAML 5.4.1

requests 2.25.1

SecretStorage 3.3.1

service-identity 18.1.0

setuptools 59.6.0

six 1.16.0

sos 4.5.6

sqlparse 0.4.4

ssh-import-id 5.11

systemd-python 234

Twisted 22.1.0

typing\_extensions 4.10.0

ubuntu-pro-client 8001

ufw 0.36.1

unattended-upgrades 0.1

urllib3 1.26.5

wadllib 1.3.6

wheel 0.37.1

zipp 1.0.0

zope.interface 5.4.0

python3 manage.py makemigrations

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ python3 manage.py makemigrations

No changes detected

python3 manage.py migrate

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ python3 manage.py migrate

Operations to perform:

Apply all migrations: admin, auth, blog, contenttypes, sessions

Running migrations:

No migrations to apply.

สร้าง python3 manage.py createsuperuser

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ python3 manage.py createsuperuser

Username (leave blank to use 'ubuntu'): cartoon

Error: That username is already taken.

Username (leave blank to use 'ubuntu'): cartoon2

Email address: montirasukpirom@gmail.com

Password: Toon2113

Password (again): Toon2113

Superuser created successfully.

Run server ปกติ 127.0.0.1:8000

ubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ python3 manage.py runserver

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

March 26, 2024 - 09:33:43

Django version 5.0.3, using settings 'Setting.settings'

Starting development server at http://127.0.0.1:8000/

Quit the server with CONTROL-C.

เปลี่ยน ip server 0.0.0.0:8000

ต้องไปตั้งที่ aws ec2 ตรง Security groups อนุญาตให้ใช้ ip 0.0.0.0

^Cubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ python3 manage.py runserver 0.0.0.0:8000

Watching for file changes with StatReloader

Performing system checks...

System check identified no issues (0 silenced).

March 26, 2024 - 09:34:43

Django version 5.0.3, using settings 'Setting.settings'

Starting development server at http://0.0.0.0:8000/

Quit the server with CONTROL-C.

เปิด Brownser '52.77.67.123:8000'

ต้อง Allow host ใน Project setting.py ด้วย

Invalid HTTP\_HOST header: '52.77.67.123:8000'. You may need to add '52.77.67.123' to ALLOWED\_HOSTS.

Traceback (most recent call last):

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/core/handlers/exception.py", line 55, in inner

response = get\_response(request)

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/utils/deprecation.py", line 133, in \_\_call\_\_

response = self.process\_request(request)

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/middleware/common.py", line 48, in process\_request

host = request.get\_host()

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/http/request.py", line 151, in get\_host

raise DisallowedHost(msg)

django.core.exceptions.DisallowedHost: Invalid HTTP\_HOST header: '52.77.67.123:8000'. You may need to add '52.77.67.123' to ALLOWED\_HOSTS.

Bad Request: /

[26/Mar/2024 09:35:08] "GET / HTTP/1.1" 400 62904

Invalid HTTP\_HOST header: '52.77.67.123:8000'. You may need to add '52.77.67.123' to ALLOWED\_HOSTS.

Traceback (most recent call last):

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/core/handlers/exception.py", line 55, in inner

response = get\_response(request)

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/utils/deprecation.py", line 133, in \_\_call\_\_

response = self.process\_request(request)

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/middleware/common.py", line 48, in process\_request

host = request.get\_host()

File "/home/ubuntu/.local/lib/python3.10/site-packages/django/http/request.py", line 151, in get\_host

raise DisallowedHost(msg)

django.core.exceptions.DisallowedHost: Invalid HTTP\_HOST header: '52.77.67.123:8000'. You may need to add '52.77.67.123' to ALLOWED\_HOSTS.

Bad Request: /favicon.ico

[26/Mar/2024 09:35:08] "GET /favicon.ico HTTP/1.1" 400 62879

/home/ubuntu/DemoProject/mu\_web/Setting/settings.py changed, reloading.

Watching for file changes with StatReloader

Performing system checks...

อันนี้คือได้

[26/Mar/2024 09:39:41] "GET / HTTP/1.1" 200 475

[26/Mar/2024 09:39:41] "GET /static/blog/styles.css HTTP/1.1" 404 1807

[26/Mar/2024 09:39:42] "GET / HTTP/1.1" 200 475

[26/Mar/2024 09:39:42] "GET /static/blog/styles.css HTTP/1.1" 404 1807

[26/Mar/2024 09:39:45] "GET / HTTP/1.1" 200 475

[26/Mar/2024 09:39:45] "GET /static/blog/styles.css HTTP/1.1" 404 1807

[26/Mar/2024 09:40:10] "GET / HTTP/1.1" 200 475

[26/Mar/2024 09:40:10] "GET /static/blog/styles.css HTTP/1.1" 404 1807

[26/Mar/2024 09:40:40] "GET / HTTP/1.1" 200 475

[26/Mar/2024 09:40:41] "GET /static/blog/styles.css HTTP/1.1" 404 1807

[26/Mar/2024 09:44:09] "GET / HTTP/1.1" 200 475

[26/Mar/2024 09:44:09] "GET /static/blog/styles.css HTTP/1.1" 404 1807

ปิด aws ec2 server

^Cubuntu@ip-172-31-43-140:~/DemoProject/mu\_web$ exit

logout