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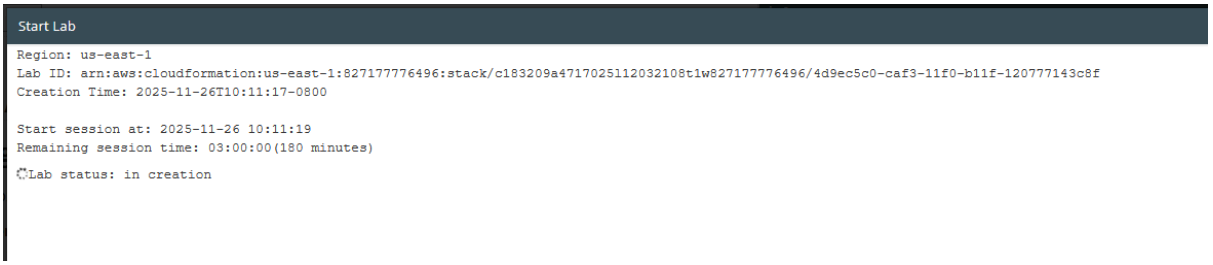
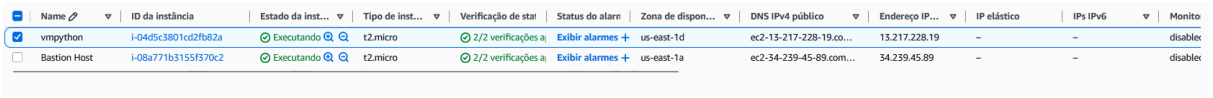
RA: 324155609

1) Iniciando o Lab:

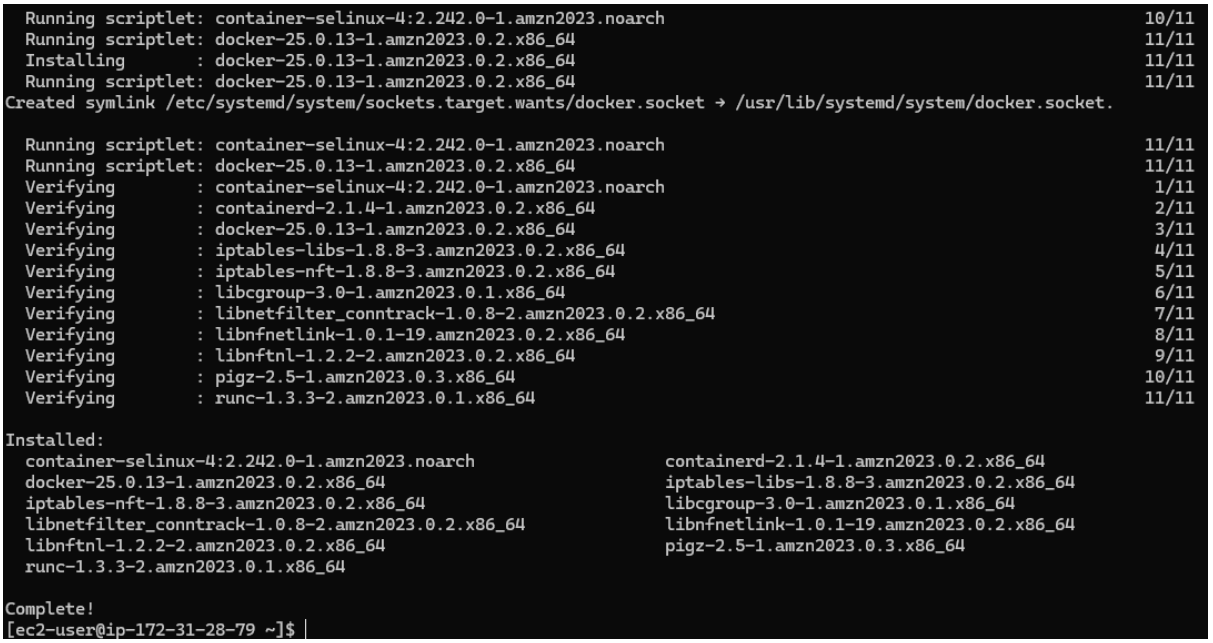


2) Criando nova instância:



3) Conectado na instância:

4) Docker instalado:



5) Startando o docker:

```
[ec2-user@ip-172-31-28-79 ~]$ sudo service docker start
Redirecting to /bin/systemctl start docker.service
[ec2-user@ip-172-31-28-79 ~]$
```

6) Instalando python e frameworks:

```
Transaction Summary
================================================================================
Install  2 Packages

Total download size: 1.9 M
Installed size: 11 M
Is this ok [y/N]: y
Downloading Packages:
(1/2): libxcrypt-compat-4.4.33-7.amzn2023.x86_64.rpm          1.9 MB/s |  92 kB     00:00
(2/2): python3-pip-21.3.1-2.amzn2023.0.14.noarch.rpm           22 MB/s | 1.8 MB     00:00
--------------------------------------------------------------------------------
Total                                                          17 MB/s | 1.9 MB     00:00
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                        1/1
  Installing       : libxcrypt-compat-4.4.33-7.amzn2023.x86_64              1/2
  Installing       : python3-pip-21.3.1-2.amzn2023.0.14.noarch              2/2
  Running scriptlet: python3-pip-21.3.1-2.amzn2023.0.14.noarch              2/2
  Verifying        : libxcrypt-compat-4.4.33-7.amzn2023.x86_64              1/2
  Verifying        : python3-pip-21.3.1-2.amzn2023.0.14.noarch              2/2

Installed:
  libxcrypt-compat-4.4.33-7.amzn2023.x86_64
  python3-pip-21.3.1-2.amzn2023.0.14.noarch

Complete!
```

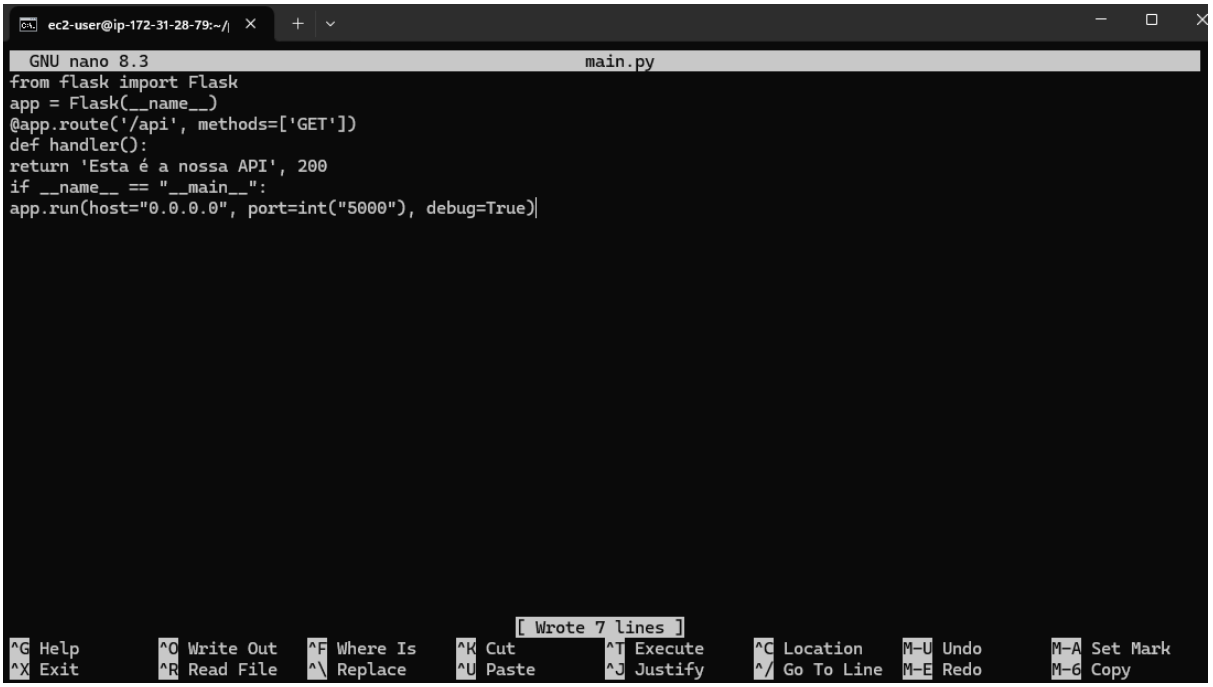
```
Collecting markupsafe>=2.1.1
  Downloading markupsafe-3.0.3-cp39-cp39-manylinux2014_x86_64.manylinux_2_17_x86_64.manylinux_2_28_x86_64.whl (20 kB)
Collecting werkzeug>=3.1.0
  Downloading werkzeug-3.1.3-py3-none-any.whl (224 kB)
     |████████████████████████████████| 224 kB 61.1 MB/s
Collecting itsdangerous>=2.2.0
  Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
Collecting click>=8.1.3
  Downloading click-8.1.8-py3-none-any.whl (98 kB)
     |████████████████████████████████| 98 kB 13.0 MB/s
Collecting importlib-metadata>=3.6.0
  Downloading importlib_metadata-8.7.0-py3-none-any.whl (27 kB)
Collecting blinker>=1.9.0
  Downloading blinker-1.9.0-py3-none-any.whl (8.5 kB)
Collecting zipp>=3.20
  Downloading zipp-3.23.0-py3-none-any.whl (10 kB)
Installing collected packages: zipp, markupsafe, werkzeug, jinja2, itsdangerous, importlib-metadata, click, blinker, fla
sk
  Attempting uninstall: markupsafe
    Found existing installation: MarkupSafe 1.1.1
    Uninstalling MarkupSafe-1.1.1:
      Successfully uninstalled MarkupSafe-1.1.1
  Attempting uninstall: jinja2
    Found existing installation: Jinja2 2.11.3
    Uninstalling Jinja2-2.11.3:
      Successfully uninstalled Jinja2-2.11.3
Successfully installed blinker-1.9.0 click-8.1.8 flask-3.1.2 importlib-metadata-8.7.0 itsdangerous-2.2.0 jinja2-3.1.6 ma
rkupsafe-3.0.3 werkzeug-3.1.3 zipp-3.23.0
```

```
[ec2-user@ip-172-31-28-79 ~]$ sudo pip3 install gunicorn
Collecting gunicorn
  Downloading gunicorn-23.0.0-py3-none-any.whl (85 kB)
     |████████████████████████████████| 85 kB 5.7 MB/s
Collecting packaging
  Downloading packaging-25.0-py3-none-any.whl (66 kB)
     |████████████████████████████████| 66 kB 8.9 MB/s
Installing collected packages: packaging, gunicorn
Successfully installed gunicorn-23.0.0 packaging-25.0
```

7) Criação do diretório API:

```
[ec2-user@ip-172-31-28-79 ~]$ mkdir projetos
[ec2-user@ip-172-31-28-79 ~]$ cd projetos
[ec2-user@ip-172-31-28-79 projetos]$ mkdir api
[ec2-user@ip-172-31-28-79 projetos]$ cd api
[ec2-user@ip-172-31-28-79 api]$
```

8) Colando e salvando o código em main.py:



9) Modificando o requiriments.txt:

10) Criado o arquivo dockerfile:

11) Concluido a build do docker:

12) Executando container: