```
Microsoft Windows [versão 10.0.22631.6060]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Windows\System32>cd c:\Users\mathe\Downloads

c:\Users\mathe\Downloads>ssh -i "Linux-2021.1.pem" ec2-user@ec2-54-224-94-1.compute-1.amazonaws.com
The authenticity of host 'ec2-54-224-94-1.compute-1.amazonaws.com (54.224.94.1)' can't be established.
ED25519 key fingerprint is SHA256:ktVxVre8EMmzsFuZLIevMkVJS85+0fW4nOkP5UdmSC4.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-54-224-94-1.compute-1.amazonaws.com' (ED25519) to the list of known hosts.
   ,     #_
   ~\_  ####_          Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
[ec2-user@ip-172-31-22-146 ~]$ "sudo yum install docker":
-bash: "sudo: command not found
[ec2-user@ip-172-31-22-146 ~]$ sudo yum install docker
Amazon Linux 2023 Kernel Livepatch repository              277 kB/s |  29 kB     00:00
Dependencies resolved.
```

```
[ec2-user@ip-172-31-22-146 ~]$ "sudo yum install docker":
-bash: "sudo: command not found
[ec2-user@ip-172-31-22-146 ~]$ sudo yum install docker
Amazon Linux 2023 Kernel Livepatch repository                    277 kB/s |  29 kB     00:00
Dependencies resolved.
================================================================================================= Package
rchitecture        Version                  Repository             Size
=================================================================================================Installing:
 docker                     x86_64           25.0.13-1.amzn2023.0.2      amazonlinux        46 M
Installing dependencies:
 container-selinux          noarch           4:2.242.0-1.amzn2023        amazonlinux        58 k
 containerd                 x86_64           2.1.4-1.amzn2023.0.2        amazonlinux        23 M
 iptables-libs              x86_64           1.8.8-3.amzn2023.0.2        amazonlinux       401 k
 iptables-nft               x86_64           1.8.8-3.amzn2023.0.2        amazonlinux       183 k
 libcgroup                  x86_64           3.0-1.amzn2023.0.1          amazonlinux        75 k
 libnetfilter_conntrack     x86_64           1.0.8-2.amzn2023.0.2        amazonlinux        58 k
 libnfnetlink               x86_64           1.0.1-19.amzn2023.0.2       amazonlinux        30 k
 libnftnl                   x86_64           1.2.2-2.amzn2023.0.2        amazonlinux        84 k
 pigz                       x86_64           2.5-1.amzn2023.0.3          amazonlinux        83 k
 runc                       x86_64           1.3.3-2.amzn2023.0.1        amazonlinux       3.9 M

Transaction Summary
=================================================================================================Install  11 Packages

Total download size: 74 M
Installed size: 280 M
Is this ok [y/N]: _
```

```
=================================================================================================Install  11 Packages
Total download size: 74 M
Installed size: 280 M
Is this ok [y/N]: y
Downloading Packages:
(1/11): container-selinux-2.242.0-1.amzn2023.noarch.rpm              1.5 MB/s |  58 kB     00:00
(2/11): iptables-libs-1.8.8-3.amzn2023.0.2.x86_64.rpm                10 MB/s | 401 kB     00:00
(3/11): iptables-nft-1.8.8-3.amzn2023.0.2.x86_64.rpm                4.3 MB/s | 183 kB     00:00
(4/11): libcgroup-3.0-1.amzn2023.0.1.x86_64.rpm                     2.3 MB/s |  75 kB     00:00
(5/11): libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64.rpm      2.1 MB/s |  58 kB     00:00
(6/11): libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64.rpm               1.4 MB/s |  30 kB     00:00
(7/11): libnftnl-1.2.2-2.amzn2023.0.2.x86_64.rpm                    3.2 MB/s |  84 kB     00:00
(8/11): pigz-2.5-1.amzn2023.0.3.x86_64.rpm                          2.8 MB/s |  83 kB     00:00
(9/11): runc-1.3.3-2.amzn2023.0.1.x86_64.rpm                         25 MB/s | 3.9 MB     00:00
(10/11): containerd-2.1.4-1.amzn2023.0.2.x86_64.rpm                  35 MB/s |  23 MB     00:00
(11/11): docker-25.0.13-1.amzn2023.0.2.x86_64.rpm                    47 MB/s |  46 MB     00:00
-------------------------------------------------------------------------------------------------
Total                                                               73 MB/s |  74 MB     00:01
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing        :                                                                        1/1
  Installing       : runc-1.3.3-2.amzn2023.0.1.x86_64                                       1/11
  Installing       : containerd-2.1.4-1.amzn2023.0.2.x86_64                                 2/11
  Running scriptlet: containerd-2.1.4-1.amzn2023.0.2.x86_64                                 2/11
  Installing       : pigz-2.5-1.amzn2023.0.3.x86_64                                         3/11
  Installing       : libnftnl-1.2.2-2.amzn2023.0.2.x86_64                                   4/11
  Installing       : libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64                              5/11
  Installing       : libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64                     6/11
  Installing       : iptables-libs-1.8.8-3.amzn2023.0.2.x86_64                              7/11
  Installing       : iptables-nft-1.8.8-3.amzn2023.0.2.x86_64                               8/11
  Running scriptlet: iptables-nft-1.8.8-3.amzn2023.0.2.x86_64                               8/11
  Installing       : libcgroup-3.0-1.amzn2023.0.1.x86_64                                    9/11
  Running scriptlet: container-selinux-4:2.242.0-1.amzn2023.noarch                         10/11
  Installing       : container-selinux-4:2.242.0-1.amzn2023.noarch                         10/11
  Running scriptlet: container-selinux-4:2.242.0-1.amzn2023.noarch                         10/11
```

```
  Running scriptlet: container-selinux-4:2.242.0-1.amzn2023.noarch                         11/11
  Running scriptlet: docker-25.0.13-1.amzn2023.0.2.x86_64                                   11/11
  Verifying        : container-selinux-4:2.242.0-1.amzn2023.noarch                          1/11
  Verifying        : containerd-2.1.4-1.amzn2023.0.2.x86_64                                  2/11
  Verifying        : docker-25.0.13-1.amzn2023.0.2.x86_64                                    3/11
  Verifying        : iptables-libs-1.8.8-3.amzn2023.0.2.x86_64                               4/11
  Verifying        : iptables-nft-1.8.8-3.amzn2023.0.2.x86_64                                5/11
  Verifying        : libcgroup-3.0-1.amzn2023.0.1.x86_64                                     6/11
  Verifying        : libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64                      7/11
  Verifying        : libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64                               8/11
  Verifying        : libnftnl-1.2.2-2.amzn2023.0.2.x86_64                                    9/11
  Verifying        : pigz-2.5-1.amzn2023.0.3.x86_64                                         10/11
  Verifying        : runc-1.3.3-2.amzn2023.0.1.x86_64                                       11/11

nstalled:
  container-selinux-4:2.242.0-1.amzn2023.noarch      containerd-2.1.4-1.amzn2023.0.2.x86_64      docker-25.0.13-1.amzn2023.0.2.x86_64
  iptables-libs-1.8.8-3.amzn2023.0.2.x86_64          iptables-nft-1.8.8-3.amzn2023.0.2.x86_64    libcgroup-3.0-1.amzn2023.0.1.x86_64
  libnetfilter_conntrack-1.0.8-2.amzn2023.0.2.x86_64 libnfnetlink-1.0.1-19.amzn2023.0.2.x86_64   libnftnl-1.2.2-2.amzn2023.0.2.x86_64
  pigz-2.5-1.amzn2023.0.3.x86_64                      runc-1.3.3-2.amzn2023.0.1.x86_64

omplete!
ec2-user@ip-172-31-22-146 ~]$ sudo service docker start
edirecting to /bin/systemctl start docker.service
ec2-user@ip-172-31-22-146 ~]$
```

```
Storage Driver: overlay2
 Backing Filesystem: xfs
 Supports d_type: true
 Using metacopy: false
 Native Overlay Diff: true
 userxattr: false
Logging Driver: json-file
Cgroup Driver: systemd
Cgroup Version: 2
Plugins:
 Volume: local
 Network: bridge host ipvlan macvlan null overlay
 Log: awslogs fluentd gcplogs gelf journald json-file local splunk syslog
Swarm: inactive
Runtimes: io.containerd.runc.v2 runc
Default Runtime: runc
Init Binary: docker-init
containerd version: 75cb2b7193e4e490e9fbdc236c0e811ccaba3376
runc version: d842d7719497cc3b774fd71620278ac9e17710e0
init version: de40ad0
Security Options:
 seccomp
  Profile: builtin
 cgroupns
Kernel Version: 6.1.158-178.288.amzn2023.x86_64
Operating System: Amazon Linux 2023.9.20251117
OSType: linux
Architecture: x86_64
CPUs: 1
Total Memory: 949.4MiB
Name: ip-172-31-22-146.ec2.internal
ID: 69448f81-54ba-44ea-a0f1-ad4d0669c2dc
Docker Root Dir: /var/lib/docker
Debug Mode: false
Experimental: false
Insecure Registries:
 127.0.0.0/8
Live Restore Enabled: false

[ec2-user@ip-172-31-22-146 ~]$
```

```
[ec2-user@ip-172-31-22-146 ~]$ sudo yum install python3-pip
Last metadata expiration check: 0:03:06 ago on Thu Nov 27 23:02:59 2025.
Dependencies resolved.
================================================================================================================================
 Package                    Architecture        Version                      Repository              Size
================================================================================================================================
Installing:
 python3-pip                noarch              21.3.1-2.amzn2023.0.14       amazonlinux             1.8 M
Installing weak dependencies:
 libxcrypt-compat           x86_64              4.4.33-7.amzn2023            amazonlinux             92 k

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                                    2.2 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!
[ec2-user@ip-172-31-22-146 ~]$
```

```
ec2-user@ip-172-31-22-146:~
Last metadata expiration check: 0:03:40 ago on Thu Nov 27 23:02:59 2025.
No match for argument: flask
Error: Unable to find a match: flask
[ec2-user@ip-172-31-22-146 ~]$ sudo pip3 install flask
Collecting flask
  Downloading flask-3.1.2-py3-none-any.whl (103 kB)
     |                                | 103 kB 21.6 MB/s
Collecting jinja2>=3.1.2
  Downloading jinja2-3.1.6-py3-none-any.whl (134 kB)
     |                                | 134 kB 55.8 MB/s
Collecting click>=8.1.3
  Downloading click-8.1.8-py3-none-any.whl (98 kB)
     |                                | 98 kB 10.6 MB/s
Collecting werkzeug>=3.1.0
  Downloading werkzeug-3.1.3-py3-none-any.whl (224 kB)
     |                                | 224 kB 57.4 MB/s
Collecting importlib-metadata>=3.6.0
  Downloading importlib_metadata-8.7.0-py3-none-any.whl (27 kB)
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 blinker>=1.9.0
  Downloading blinker-1.9.0-py3-none-any.whl (8.5 kB)
Collecting itsdangerous>=2.2.0
  Downloading itsdangerous-2.2.0-py3-none-any.whl (16 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, flask
  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 markupsafe-3.0.3 werkzeug-3.1.3 zipp-3.23.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
[ec2-user@ip-172-31-22-146 ~]$
```

```
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
[ec2-user@ip-172-31-22-146 ~]$ sudo pip3 install gunicorn
Collecting gunicorn
  Downloading gunicorn-23.0.0-py3-none-any.whl (85 kB)
     |                                | 85 kB 5.3 MB/s
Collecting packaging
  Downloading packaging-25.0-py3-none-any.whl (66 kB)
     |                                | 66 kB 8.0 MB/s
Installing collected packages: packaging, gunicorn
Successfully installed gunicorn-23.0.0 packaging-25.0
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv
[ec2-user@ip-172-31-22-146 ~]$
```

```
[ec2-user@ip-172-31-22-146 ~]$ mkdir projetos
[ec2-user@ip-172-31-22-146 ~]$ cd projetos
[ec2-user@ip-172-31-22-146 projetos]$ mkdir api
[ec2-user@ip-172-31-22-146 projetos]$ cd api
[ec2-user@ip-172-31-22-146 api]$
```

```
ec2-user@ip-172-31-22-146:~/projetos/api
  GNU nano 8.3                                    main.py
from flask import Flask
app = Flask(__name__)
@app.route('/api', methods=['GET'])
def handler():
return 'Esta é a nossa API', 200
if __name__ == "__main__":
app.run(host="0.0.0.0", port=int("5000"), debug=True)



                                          [ Wrote 8 lines ]
^C Help      ^O Write Out   ^F Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo    M-A Set Mark    M-] To Bracket
^X Exit      ^R Read File   ^\ Replace    ^U Paste      ^J Justify    ^/ Go To Line M-E Redo    M-6 Copy       ^B Where Was
```

```
ec2-user@ip-172-31-22-146:~/projetos/api                                          —  □  X

  GNU nano 8.3                              requirements.txt
attrs==20.3.0
aws-cfn-bootstrap==2.0
awscli==2.30.4
awscrt==0.27.6
Babel==2.9.1
blinker==1.9.0
cffi==1.14.5
chardet==4.0.0
chevron==0.13.1
click==8.1.8
cloud-init==22.2.2
colorama==0.4.4
configobj==5.0.6
cryptography==36.0.1
dbus-python==1.2.18
distro==1.5.0
docutils==0.16
ec2-hibinit-agent==1.0.8
Flask==3.1.2
gpg==1.23.2
gunicorn==23.0.0
idna==2.10
importlib_metadata==8.7.0
itsdangerous==2.2.0
Jinja2==3.1.6
jmespath==0.10.0
jsonpatch==1.21
jsonpointer==2.0
jsonschema==3.2.0
libcomps==0.1.20
lockfile==0.12.2
MarkupSafe==3.0.3
netifaces==0.10.6
oauthlib==3.0.2
packaging==25.0
ply==3.11
                              [ Read 61 lines ]
^C Help      ^O Write Out  ^F Where Is  ^K Cut     ^T Execute   ^C Location    M-U Undo   M-A Set Mark    M-] To Bracket
^X Exit      ^R Read File  ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line  M-E Redo   M-6 Copy        ^B Where Was
```

```
[ec2-user@ip-172-31-22-146 ~]$ mkdir projetos
[ec2-user@ip-172-31-22-146 ~]$ cd projetos
[ec2-user@ip-172-31-22-146 projetos]$ mkdir api
[ec2-user@ip-172-31-22-146 projetos]$ cd api
[ec2-user@ip-172-31-22-146 api]$ nano main.py
[ec2-user@ip-172-31-22-146 api]$ sudo pip3 freeze > requirements.txt
[ec2-user@ip-172-31-22-146 api]$ "nano
-bash: "nano: command not found
[ec2-user@ip-172-31-22-146 api]$ nano requirements.txt
[ec2-user@ip-172-31-22-146 api]$
```

```
ec2-user@ip-172-31-22-146:~/projetos/api                                          —  □  X

  GNU nano 8.3                              requirements.txt
click==8.1.8
docutils==0.16
Flask==3.1.2
gunicorn==23.0.0
importlib_metadata==8.7.0
itsdangerous==2.2.0
Jinja2==3.1.6
lockfile==0.12.2
MarkupSafe==3.0.3
PySocks==1.7.1
python-daemon==2.3.0
Werkzeug==3.1.3
zipp==3.23.0




                              [ Wrote 14 lines ]
^C Help      ^O Write Out  ^F Where Is  ^K Cut     ^T Execute   ^C Location    M-U Undo   M-A Set Mark    M-] To Bracket
^X Exit      ^R Read File  ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line  M-E Redo   M-6 Copy        ^B Where Was
```

```
pyrsistent==0.17.3
pyserial==3.4
PySocks==1.7.1
python-daemon==2.3.0
python-dateutil==2.8.1
pytz==2022.7.1
PyYAML==5.4.1
release-notification==1.2
requests==2.25.1
rpm==4.16.1.3
ruamel.yaml==0.16.6
ruamel.yaml.clib==0.1.2
selinux==3.4
sepolicy==3.4
setools==4.4.1
six==1.15.0
support-info==1.0
systemd-python==235
urllib3==1.25.10
wcwidth==0.2.5
Werkzeug==3.1.3
zipp==3.23.0
[ec2-user@ip-172-31-22-146 api]$ nano main.py
[ec2-user@ip-172-31-22-146 api]$ nano requirements.txt
[ec2-user@ip-172-31-22-146 api]$ cat requirements.txt

click==8.1.8
docutils==0.16
Flask==3.1.2
gunicorn==23.0.0
importlib_metadata==8.7.0
itsdangerous==2.2.0
Jinja2==3.1.6
lockfile==0.12.2
MarkupSafe==3.0.3
PySocks==1.7.1
python-daemon==2.3.0
Werkzeug==3.1.3
zipp==3.23.0
[ec2-user@ip-172-31-22-146 api]$
```

```
zipp==3.23.0
[ec2-user@ip-172-31-22-146 api]$ nano dockerfile
[ec2-user@ip-172-31-22-146 api]$ sudo docker build --tag my-api .
[+] Building 30.3s (9/9) FINISHED                                                docker:default
 => [internal] load build definition from dockerfile                                       0.0s
 => => transferring dockerfile: 157B                                                       0.0s
 => [internal] load metadata for docker.io/library/python:3                                0.3s
 => [internal] load .dockerignore                                                          0.0s
 => => transferring context: 2B                                                            0.0s
 => [internal] load build context                                                          0.0s
 => => transferring context: 897B                                                          0.0s
 => [1/4] FROM docker.io/library/python:3@sha256:edf643343f03f6470f965860ea0aafe84aeaaaa==11c4be83960fca92dce26dd   23.3s
 => => resolve docker.io/library/python:3@sha256:edf643343f03f6470f965860ea0aafe84eddadaeaee11c4bc83960fca92dce26dd  0.0s
 => => sha256:da0cc0443340c3891406bd206b0d0d405cb657b6c572d078d6322fd036cdc005 2.32kB / 2.32kB                     0.0s
 => => sha256:cae06064cf442b101fce300ace75b359b6167ea2578ba440b367ba79cd4b26798 22.61MB / 23.61MB                  0.8s
 => => sha256:ff2a6a607b6ca78177a4cacb70dd133cbe73b9746f030763bdb4401f6b1f04c 67.76MB / 97.76MB                    2.0s
 => => sha256:edf64334bf65f9a702301860aeeefe0bedaeaee11c4bc83960fca92dce26dd 10.95MB / 10.95MB                     0.0s
 => => sha256:910d90f0a0d6b5b7490336830206ff283faecfd68334508972d4522150100dbd5d 6.49kB / 6.49kB                   0.0s
 => => sha256:32c00f1dfec79b21f07f7f1a01ad5e0dc5ad20fb6f396da1b5b08f8311b6dcb592 49.29MB / 49.29MB                 3.0s
 => => sha256:7ca0a3faff70845159c32bfb3545435a201d3bd04f91a0c408f0e98f0e09add5 235.98MB / 235.59MB                3.0s
 => => sha256:b5694cfea2ce04d438b9447e169070440f0d2310zc05d455ed0c549ecb31102 6.08MB / 6.08MB                     1.1s
 => => extracting sha256:32c00f1dfec79b21f07f7f1ae3ad5e0dc5ed20fb0f396da1b5b08f8311b6dcb592                        4.3s
 => => sha256:d7d8d7b0a70a00040505b1e4b13453dc20685ae4ac83bfb21a2dbef511e9986 20.22MB / 20.22MB                   1.0s
 => => sha256:59415e0a0cb12c5af0c0c1c31800f045a306b509b087d1ba0ca5a24c4c1159d3 250B / 150B                        2.0s
 => => extracting sha256:cae06064cf442b101fce300ace75b359b6167ea2578ba440b367ba79cd4b26798                        1.1s
 => => extracting sha256:ff2a6a607b6ca78177a4cacb70dd133cbe73b9746f030763bdb4401f6b1f04c                          3.5s
 => => extracting sha256:7ca0a3faff70845159c32bfb3545435a201d3bd04f91a0c408f0e98f0e09add5                        10.7s
 => => extracting sha256:b5694cfea2ce04d438b9447e169070440f0d2310zc05d455ed0c549ecb31102                          0.4s
 => => extracting sha256:d7d8d7b0a70a00040505b1e4b13453dc20685ae4ac83bfb21a2dbef511e9986                          1.1s
 => => extracting sha256:59415e0a0cb12c5af0c0c1c31800f045a306b509b087d1ba0ca5a24c4c1159d3                         0.0s
 => [2/4] COPY . /work                                                                     0.1s
 => [3/4] WORKDIR /work                                                                    0.1s
 => [4/4] RUN pip install --no-cache-dir -r requirements.txt                               6.0s
 => exporting to image                                                                     0.4s
 => => exporting layers                                                                    0.4s
 => => writing image sha256:9c44aa1891a5bf306519f7da316a91a01bf4390b6433ff5223d07160bca0bdf134                      0.0s
 => => naming to docker.io/library/my-api                                                  0.0s
[ec2-user@ip-172-31-22-146 api]$
```

```
 => => writing image sha256:fe14aa1863e5bf30d5107da316a91a03bfd199b6433ff5223d77100ce6b9f134
 => => naming to docker.io/library/my-api
[ec2-user@ip-172-31-22-146 api]$ sudo docker run --name main -p 5000:5000 my-api
[2025-11-27 23:24:32 +0000] [7] [INFO] Starting gunicorn 23.0.0
[2025-11-27 23:24:32 +0000] [7] [INFO] Listening at: http://0.0.0.0:5000 (7)
[2025-11-27 23:24:32 +0000] [7] [INFO] Using worker: sync
[2025-11-27 23:24:32 +0000] [8] [INFO] Booting worker with pid: 8
[2025-11-27 23:24:32 +0000] [8] [ERROR] Exception in worker process
Traceback (most recent call last):
  File "/usr/local/lib/python3.14/site-packages/gunicorn/arbiter.py", line 608, in spawn_worker
    worker.init_process()
    ~~~~~~~~~~~~~~~~~~~~^^
  File "/usr/local/lib/python3.14/site-packages/gunicorn/workers/base.py", line 135, in init_process
    self.load_wsgi()
    ~~~~~~~~~~~~~~~^^
  File "/usr/local/lib/python3.14/site-packages/gunicorn/workers/base.py", line 147, in load_wsgi
    self.wsgi = self.app.wsgi()
                ~~~~~~~~~~~~~^^
  File "/usr/local/lib/python3.14/site-packages/gunicorn/app/base.py", line 66, in wsgi
    self.callable = self.load()
                    ~~~~~~~~~^^
  File "/usr/local/lib/python3.14/site-packages/gunicorn/app/wsgiapp.py", line 57, in load
    return self.load_wsgiapp()
           ~~~~~~~~~~~~~~~~~^^
  File "/usr/local/lib/python3.14/site-packages/gunicorn/app/wsgiapp.py", line 47, in load_wsgiapp
    return util.import_app(self.app_uri)
           ~~~~~~~~~~~~~~~^^^^^^^^^^^^^^
  File "/usr/local/lib/python3.14/site-packages/gunicorn/util.py", line 370, in import_app
    mod = importlib.import_module(module)
  File "/usr/local/lib/python3.14/importlib/__init__.py", line 88, in import_module
    return _bootstrap._gcd_import(name[level:], package, level)
           ~~~~~~~~~~~~~~~~~~~~~~~^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "<frozen importlib._bootstrap>", line 1398, in _gcd_import
  File "<frozen importlib._bootstrap>", line 1371, in _find_and_load
  File "<frozen importlib._bootstrap>", line 1342, in _find_and_load_unlocked
  File "<frozen importlib._bootstrap>", line 938, in _load_unlocked
  File "<frozen importlib._bootstrap_external>", line 758, in exec_module
  File "<frozen importlib._bootstrap_external>", line 896, in get_code
  File "<frozen importlib._bootstrap_external>", line 826, in source_to_code
  File "<frozen importlib._bootstrap>", line 491, in _call_with_frames_removed
```

```
  File "/work/main.py", line 5
    return 'Esta é a nossa API', 200
    ^^^^^^
IndentationError: expected an indented block after function definition on line 4
[2025-11-27 23:24:32 +0000] [8] [INFO] Worker exiting (pid: 8)
[2025-11-27 23:24:32 +0000] [7] [ERROR] Worker (pid:8) exited with code 3
[2025-11-27 23:24:32 +0000] [7] [ERROR] Shutting down: Master
[2025-11-27 23:24:32 +0000] [7] [ERROR] Reason: Worker failed to boot.
[ec2-user@ip-172-31-22-146 api]$
```

```
ec2-user@ip-172-31-22-146 api]$ sudo docker ps -a
ONTAINER ID    IMAGE      COMMAND    CREATED    STATUS    PORTS      NAMES
ec2-user@ip-172-31-22-146 api]$ sudo docker run --name main -p 5000:5000 my-api
2025-11-27 23:46:08 +0000] [7] [INFO] Starting gunicorn 23.0.0
2025-11-27 23:46:08 +0000] [7] [INFO] Listening at: http://0.0.0.0:5000 (7)
2025-11-27 23:46:08 +0000] [7] [INFO] Using worker: sync
2025-11-27 23:46:08 +0000] [8] [INFO] Booting worker with pid: 8
2025-11-27 23:46:08 +0000] [9] [INFO] Booting worker with pid: 9
```

Esta é a nossa API