

NIMAP INFOTECH PVT LTD

The background features a faint, light gray line chart with several data points and connecting lines. The chart is overlaid on a light gray background. At the bottom of the image, there is a horizontal band of a wooden floor texture, composed of vertical wooden planks. A solid red horizontal line is positioned below the company name, extending across most of the width of the image.

2455

183.102

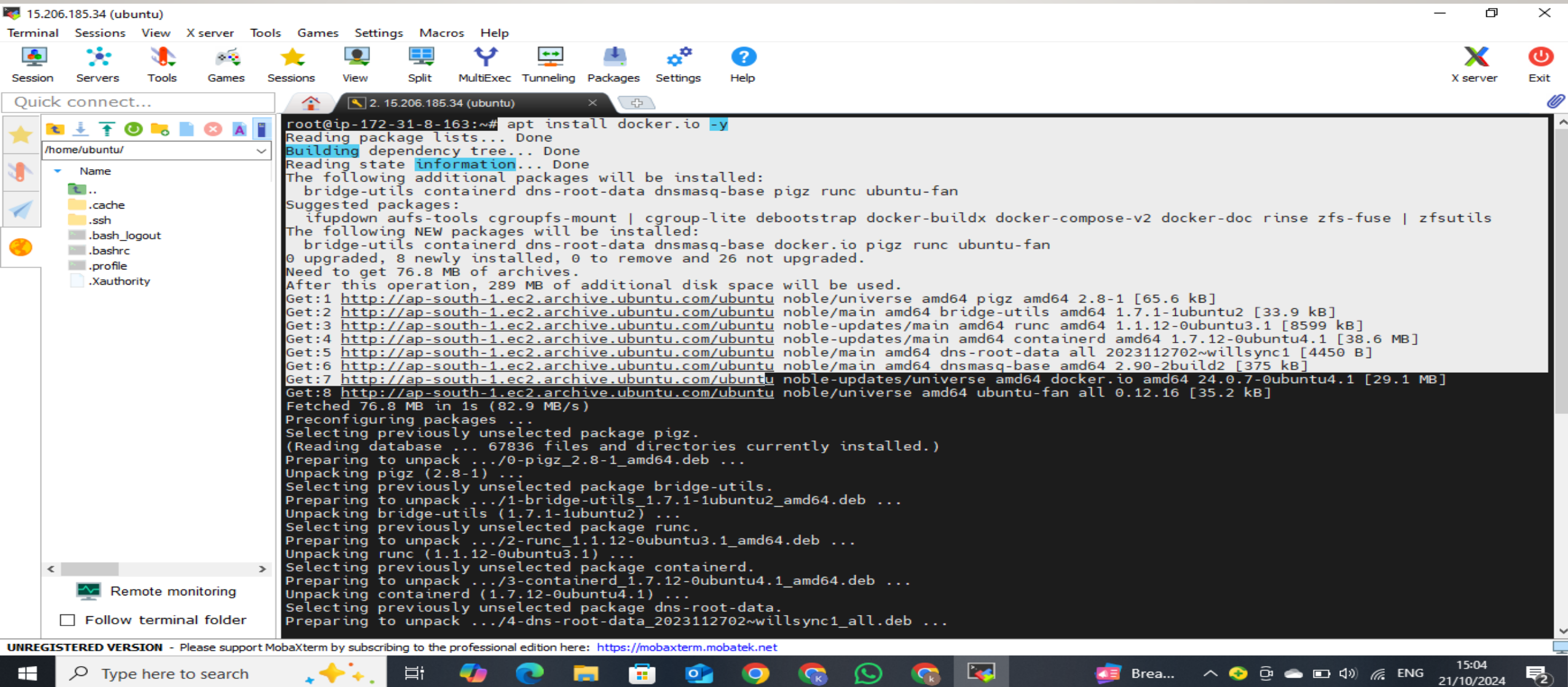
154.178

First updated the packages

```
ubuntu@ip-172-31-8-163:~$ sudo -i
root@ip-172-31-8-163:~# apt update -y
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:5 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:9 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:10 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:11 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:12 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:13 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [597 kB]
Get:14 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [146 kB]
Get:15 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [114 kB]
Get:16 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [10.2 kB]
Get:17 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [705 kB]
Get:18 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [209 kB]
Get:19 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [306 kB]
Get:20 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [19.8 kB]
Get:21 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [388 kB]
Get:22 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [74.8 kB]
Get:23 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:24 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.7 kB]
Get:25 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3820 B]
Get:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [552 B]
Get:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.6 kB]
Get:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.8 kB]
Get:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [21.1 kB]
Get:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [1104 B]
Get:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212 B]
Get:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [116 B]
Get:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
```

Install Docker on Ubuntu

```
apt install docker.io -y
```



15.206.185.34 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/ubuntu/

Name

- ..
- .cache
- .ssh
- .bash_logout
- .bashrc
- .profile
- .Xauthority

Remote monitoring

☐ Follow terminal folder

```
root@ip-172-31-8-163:~# apt install docker.io -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  bridge-utils containerd dns-root-data dnsmasq-base pigz runc ubuntu-fan
Suggested packages:
  ifupdown aufs-tools cgroupfs-mount | cgroup-lite debootstrap docker-buildx docker-compose-v2 docker-doc rinse zfs-fuse | zfsutils
The following NEW packages will be installed:
  bridge-utils containerd dns-root-data dnsmasq-base docker.io pigz runc ubuntu-fan
0 upgraded, 8 newly installed, 0 to remove and 26 not upgraded.
Need to get 76.8 MB of archives.
After this operation, 289 MB of additional disk space will be used.
Get:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 pigz amd64 2.8-1 [65.6 kB]
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 bridge-utils amd64 1.7.1-1ubuntu2 [33.9 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 runc amd64 1.1.12-0ubuntu3.1 [8599 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 containerd amd64 1.7.12-0ubuntu4.1 [38.6 MB]
Get:5 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 dns-root-data all 2023112702~willsync1 [4450 B]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 dnsmasq-base amd64 2.90-2build2 [375 kB]
Get:7 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 docker.io amd64 24.0.7-0ubuntu4.1 [29.1 MB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 ubuntu-fan all 0.12.16 [35.2 kB]
Fetched 76.8 MB in 1s (82.9 MB/s)
Preconfiguring packages ...
Selecting previously unselected package pigz.
(Reading database ... 67836 files and directories currently installed.)
Preparing to unpack .../0-pigz_2.8-1_amd64.deb ...
Unpacking pigz (2.8-1) ...
Selecting previously unselected package bridge-utils.
Preparing to unpack .../1-bridge-utils_1.7.1-1ubuntu2_amd64.deb ...
Unpacking bridge-utils (1.7.1-1ubuntu2) ...
Selecting previously unselected package runc.
Preparing to unpack .../2-runc_1.1.12-0ubuntu3.1_amd64.deb ...
Unpacking runc (1.1.12-0ubuntu3.1) ...
Selecting previously unselected package containerd.
Preparing to unpack .../3-containerd_1.7.12-0ubuntu4.1_amd64.deb ...
Unpacking containerd (1.7.12-0ubuntu4.1) ...
Selecting previously unselected package dns-root-data.
Preparing to unpack .../4-dns-root-data_2023112702~willsync1_all.deb ...
```

UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

Take a github link and clone it

The screenshot shows the MobaXterm application window. The title bar indicates the connection is to 15.206.185.34 (ubuntu). The menu bar includes Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, and Help. The toolbar contains icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, and Help. On the right side, there are buttons for X server and Exit. The left sidebar shows a 'Quick connect...' search bar and a file tree for /home/ubuntu/. The main terminal window displays the following commands and output:

```
root@ip-172-31-8-163:~# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
root@ip-172-31-8-163:~# git clone https://github.com/RohitPatil18/docker-fastapi-test
Cloning into 'docker-fastapi-test'...
remote: Enumerating objects: 19, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 19 (delta 3), reused 2 (delta 2), pack-reused 13 (from 1)
Receiving objects: 100% (19/19), done.
Resolving deltas: 100% (4/4), done.
root@ip-172-31-8-163:~#
```

At the bottom of the window, there is a footer for the 'UNREGISTERED VERSION' of MobaXterm, with a link to the professional edition: <https://mobaxterm.mobatek.net>. The Windows taskbar at the very bottom shows the search bar, task view, and several open applications, along with system tray icons for temperature, network, and time (15:04 on 21/10/2024).

Install Docker Compose

```
DOCKER_CONFIG=${DOCKER_CONFIG:-$HOME/.docker}mkdir -p $DOCKER_CONFIG/cli-pluginscurl -SL https://github.com/docker/compose/releases/download/v2.24.0/docker-compose-linux-x86_64 -o $DOCKER_CONFIG/cli-plugins/docker-compose
```

```
chmod +x $DOCKER_CONFIG/cli-plugins/docker-compose
```

The screenshot shows a MobaXterm session with a terminal window connected to a remote host at 15.206.185.34 (ubuntu). The terminal output shows the following commands and results:

```
root@ip-172-31-8-163:~# ls
root@ip-172-31-8-163:~# docker-fastapi-test snap
root@ip-172-31-8-163:~# DOCKER_CONFIG=${DOCKER_CONFIG:-$HOME/.docker}
root@ip-172-31-8-163:~# mkdir -p $DOCKER_CONFIG/cli-plugins
root@ip-172-31-8-163:~# curl -SL https://github.com/docker/compose/releases/download/v2.24.0/docker-compose-linux-x86_64 -o $DOCKER_CONFIG/cli-plugins/docker-compose
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left     Speed
  0     0    0     0    0     0      0      0  --:--:-- --:--:-- --:--:--    0
100 58.1M 100 58.1M    0     0 20.5M      0  0:00:02  0:00:02 --:--:-- 39.0M
root@ip-172-31-8-163:~# chmod +x $DOCKER_CONFIG/cli-plugins/docker-compose
root@ip-172-31-8-163:~# docker compose version
Docker Compose version v2.24.0
root@ip-172-31-8-163:~#
```

The MobaXterm interface includes a top menu bar (Terminal, Sessions, View, X server, Tools, Games, Settings, Macros, Help), a toolbar with icons for Session, Servers, Tools, Games, Sessions, View, Split, MultiExec, Tunneling, Packages, Settings, and Help, and a sidebar with a 'Quick connect...' search bar and a file explorer showing the local file system structure. The bottom status bar indicates 'UNREGISTERED VERSION' and provides a link to the professional edition.

Created a Dockerfile

15.206.185.34 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/ubuntu/

Name

- ..
- .cache
- .ssh
- .bash_logout
- .bashrc
- .profile
- .Xauthority

Remote monitoring

☐ Follow terminal folder

```
root@ip-172-31-8-163:~/docker-fastapi-test# ls
Dockerfile  README.md  app  docker-compose.yml  requirements.txt
root@ip-172-31-8-163:~/docker-fastapi-test# cat Dockerfile
# Use the official Python image from the Docker Hub
FROM python:3.9

# Set the working directory in the container
WORKDIR /app

# Copy the requirements file and install dependencies
COPY requirements.txt ./
RUN pip install --no-cache-dir -r requirements.txt

# Copy the rest of the application code
COPY app .

# Expose the port the app runs on
EXPOSE 8000

# Command to run the application
CMD ["uvicorn", "app.main:app", "--host", "0.0.0.0", "--port", "8000", "--reload"]

root@ip-172-31-8-163:~/docker-fastapi-test# vi Dockerfile
root@ip-172-31-8-163:~/docker-fastapi-test# docker compose up --build
[+] Building 1.5s (10/10) FINISHED
=> [fastapi internal] load build definition from Dockerfile
=> == transferring dockerfile: 520B
=> [fastapi internal] load .dockerignore
=> == transferring context: 2B
=> [fastapi internal] load metadata for docker.io/library/python:3.9
=> [fastapi 1/5] FROM docker.io/library/python:3.9@sha256:ed8b9dd4e9f89c111f4bdb85a55f8c9f0e22796a298449380b15f627d9914095
=> [fastapi internal] load build context
=> == transferring context: 3.60kB
=> CACHED [fastapi 2/5] WORKDIR /app
=> CACHED [fastapi 3/5] COPY requirements.txt ./
=> CACHED [fastapi 4/5] RUN pip install --no-cache-dir -r requirements.txt
=> [fastapi 5/5] COPY app .
=> [fastapi] exporting to image
```

docker:default

	0.0s
	0.0s
	0.0s
	0.0s
	1.4s
	0.0s
	0.0s
	0.0s
	0.0s
	0.0s
	0.0s
	0.0s

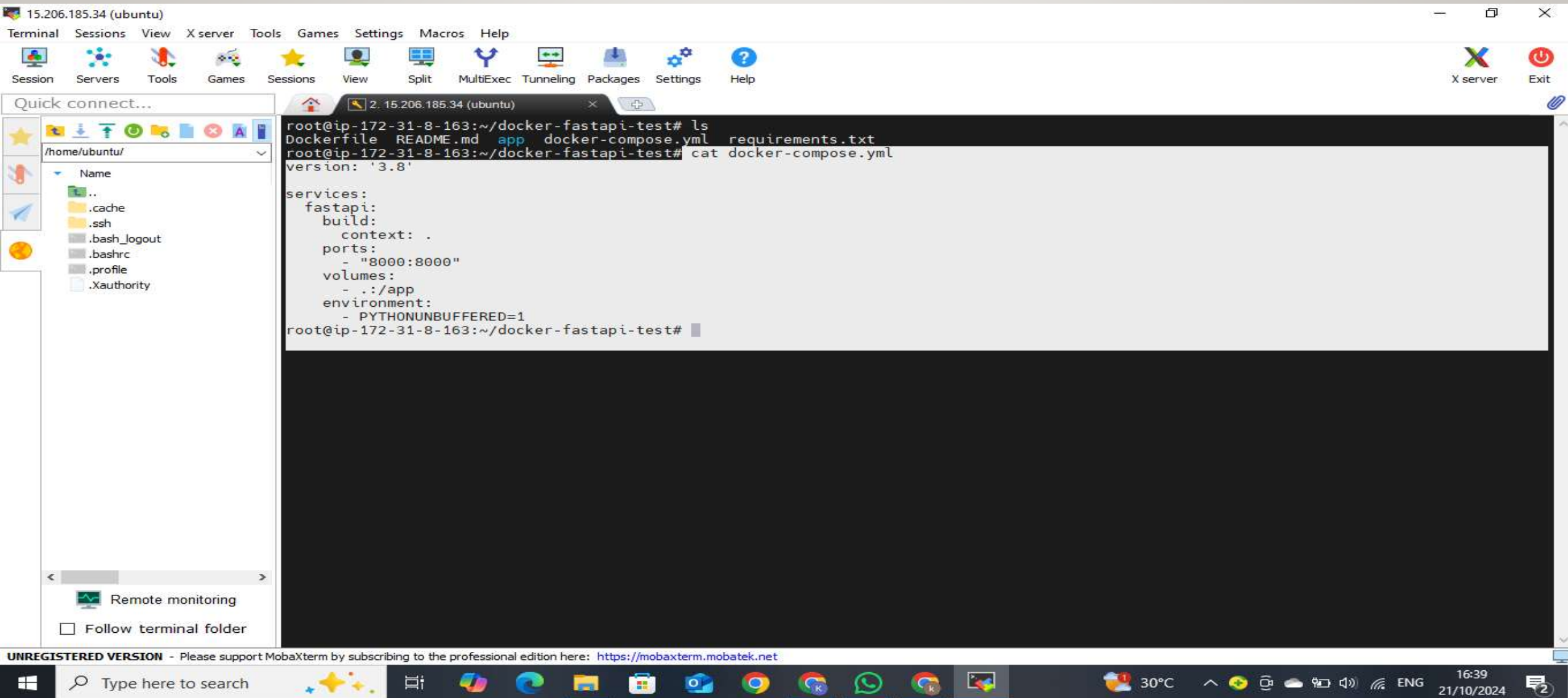
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

Type here to search

30°C

16:39 21/10/2024

Created Docker-compose.yml File



15.206.185.34 (ubuntu)

Terminal Sessions View X server Tools Games Settings Macros Help

Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help

Quick connect...

/home/ubuntu/

Name

- ..
- .cache
- .ssh
- .bash_logout
- .bashrc
- .profile
- .Xauthority

Remote monitoring

☐ Follow terminal folder

```
root@ip-172-31-8-163:~/docker-fastapi-test# ls
Dockerfile  README.md  app  docker-compose.yml  requirements.txt
root@ip-172-31-8-163:~/docker-fastapi-test# cat docker-compose.yml
version: '3.8'

services:
  fastapi:
    build:
      context: .
    ports:
      - "8000:8000"
    volumes:
      - ./app
    environment:
      - PYTHONUNBUFFERED=1
root@ip-172-31-8-163:~/docker-fastapi-test#
```

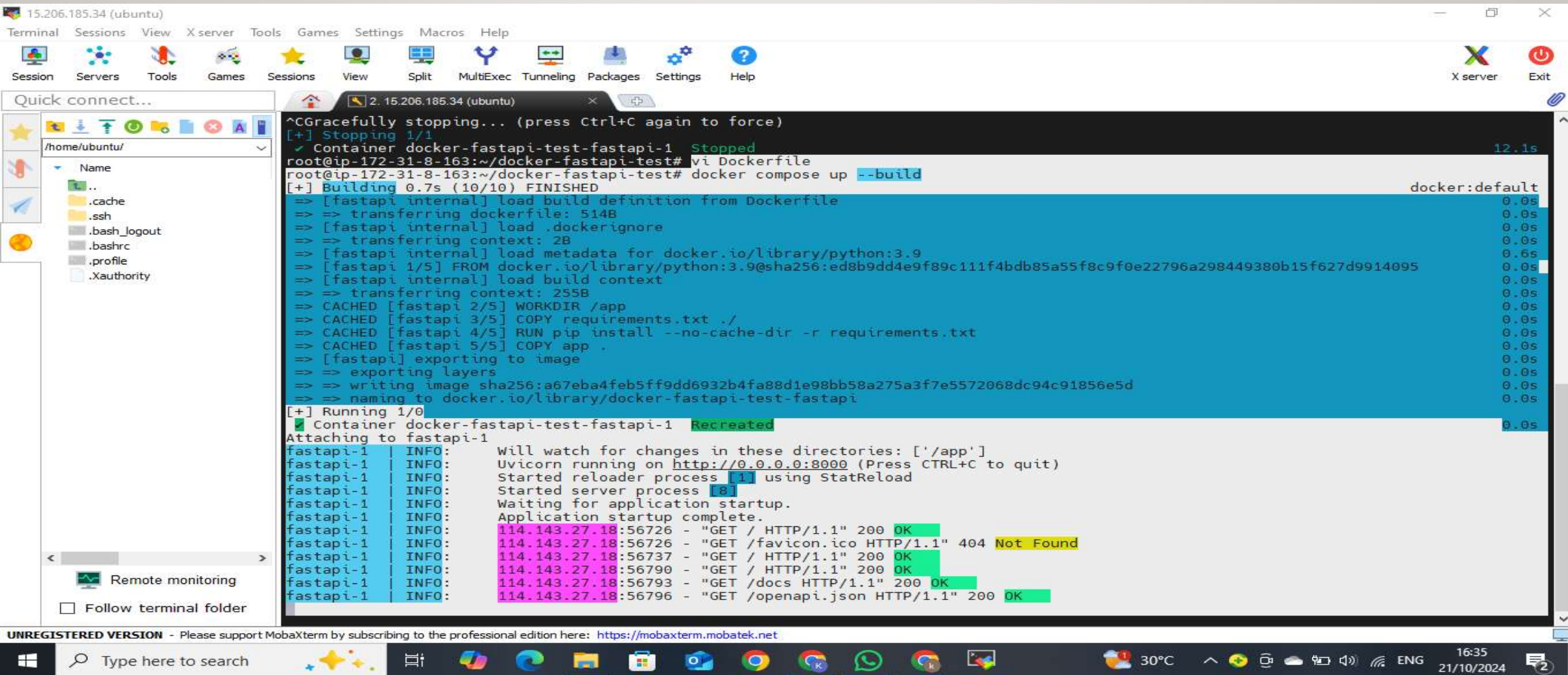
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: <https://mobaxterm.mobatek.net>

Type here to search

30°C 16:39 21/10/2024

Run docker-compose using command

“docker compose up --build



The screenshot shows a MobaXterm terminal window with the following content:

```
15.206.185.34 (ubuntu)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
/home/ubuntu/
Name
..
.cache
.ssh
.bash_logout
.bashrc
.profile
.Xauthority
Remote monitoring
Follow terminal folder

^CGracefully stopping... (press Ctrl+C again to force)
[+] Stopping 1/1
✓ Container docker-fastapi-test-fastapi-1 Stopped
root@ip-172-31-8-163:~/docker-fastapi-test# vi Dockerfile
root@ip-172-31-8-163:~/docker-fastapi-test# docker compose up --build
[+] Building 0.7s (10/10) FINISHED
=> [fastapi internal] load build definition from Dockerfile
=> => transferring dockerfile: 514B
=> [fastapi internal] load .dockerignore
=> => transferring context: 2B
=> [fastapi internal] load metadata for docker.io/library/python:3.9
=> [fastapi 1/5] FROM docker.io/library/python:3.9@sha256:ed8b9dd4e9f89c111f4bdb85a55f8c9f0e22796a298449380b15f627d9914095
=> [fastapi internal] load build context
=> => transferring context: 255B
=> CACHED [fastapi 2/5] WORKDIR /app
=> CACHED [fastapi 3/5] COPY requirements.txt ./
=> CACHED [fastapi 4/5] RUN pip install --no-cache-dir -r requirements.txt
=> CACHED [fastapi 5/5] COPY app .
=> [fastapi] exporting to image
=> => exporting layers
=> => writing image sha256:a67eba4feb5ff9dd6932b4fa88d1e98bb58a275a3f7e5572068dc94c91856e5d
=> => naming to docker.io/library/docker-fastapi-test-fastapi
[+] Running 1/0
✓ Container docker-fastapi-test-fastapi-1 Recreated
Attaching to fastapi-1
fastapi-1 | INFO: Will watch for changes in these directories: ['/app']
fastapi-1 | INFO: Uvicorn running on http://0.0.0.0:8000 (Press CTRL+C to quit)
fastapi-1 | INFO: Started reload process [1] using StatReload
fastapi-1 | INFO: Started server process [8]
fastapi-1 | INFO: Waiting for application startup.
fastapi-1 | INFO: Application startup complete.
fastapi-1 | INFO: 114.143.27.18:56726 - "GET / HTTP/1.1" 200 OK
fastapi-1 | INFO: 114.143.27.18:56726 - "GET /favicon.ico HTTP/1.1" 404 Not Found
fastapi-1 | INFO: 114.143.27.18:56737 - "GET / HTTP/1.1" 200 OK
fastapi-1 | INFO: 114.143.27.18:56790 - "GET / HTTP/1.1" 200 OK
fastapi-1 | INFO: 114.143.27.18:56793 - "GET /docs HTTP/1.1" 200 OK
fastapi-1 | INFO: 114.143.27.18:56796 - "GET /openapi.json HTTP/1.1" 200 OK
```

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Taken a public ip of instance

aws

Services

Search

[Alt+S]

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations

Images

AMIs

AMI Catalog

Successfully initiated termination (deletion) of i-07cbb2f11791473ba

Instances (1/2)

Info

Last updated about 2 hours ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
<input type="checkbox"/>	Nimap_Infotech	i-07cbb2f11791473ba	Terminated	t2.micro	-	View alarms	ap-south-1
<input checked="" type="checkbox"/>	Nimap_info	i-08b1d458df6682376	Running	t2.micro	Initializing	View alarms	ap-south-1

i-08b1d458df6682376 (Nimap_info)

Instance summary

Info

Instance ID

i-08b1d458df6682376 (Nimap_info)

IPv6 address

-

Public IPv4 address

15.206.185.34 | open address

Instance state

Running

Private IPv4 addresses

172.31.8.163

Public IPv4 DNS

ec2-15-206-185-34.ap-south-1.compute.amazonaws.com

CloudShell

Feedback

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Privacy

Terms

Cookie preferences

Type here to search

30°C

16:40

21/10/2024

Run on port 8000



```
{"message": "Hello from FastAPI ;)"}
```



FastAPI 0.1.0 OAS3

/openapi.json

default ^

GET	/ Index	^
GET	/users Get Users	^
POST	/users User Create	^

Schemas ^

BaseResponse >

HTTPValidationError >

THANK YOU