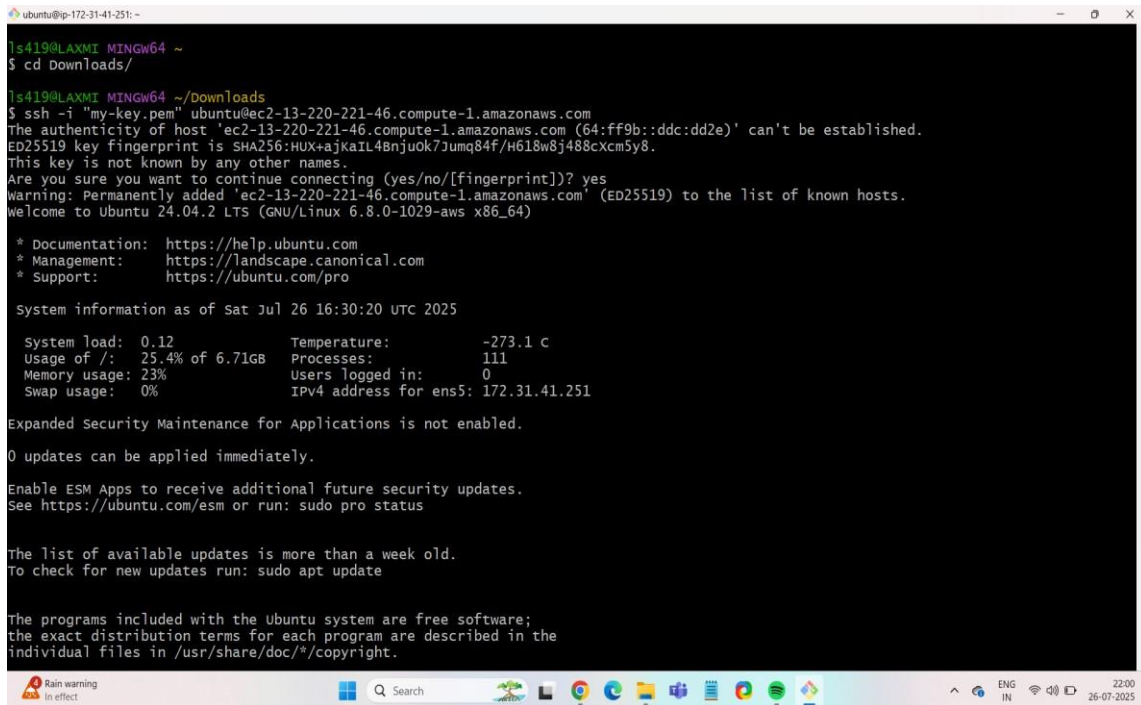


Name: Laxmi Swami

Topic: Docker Compose

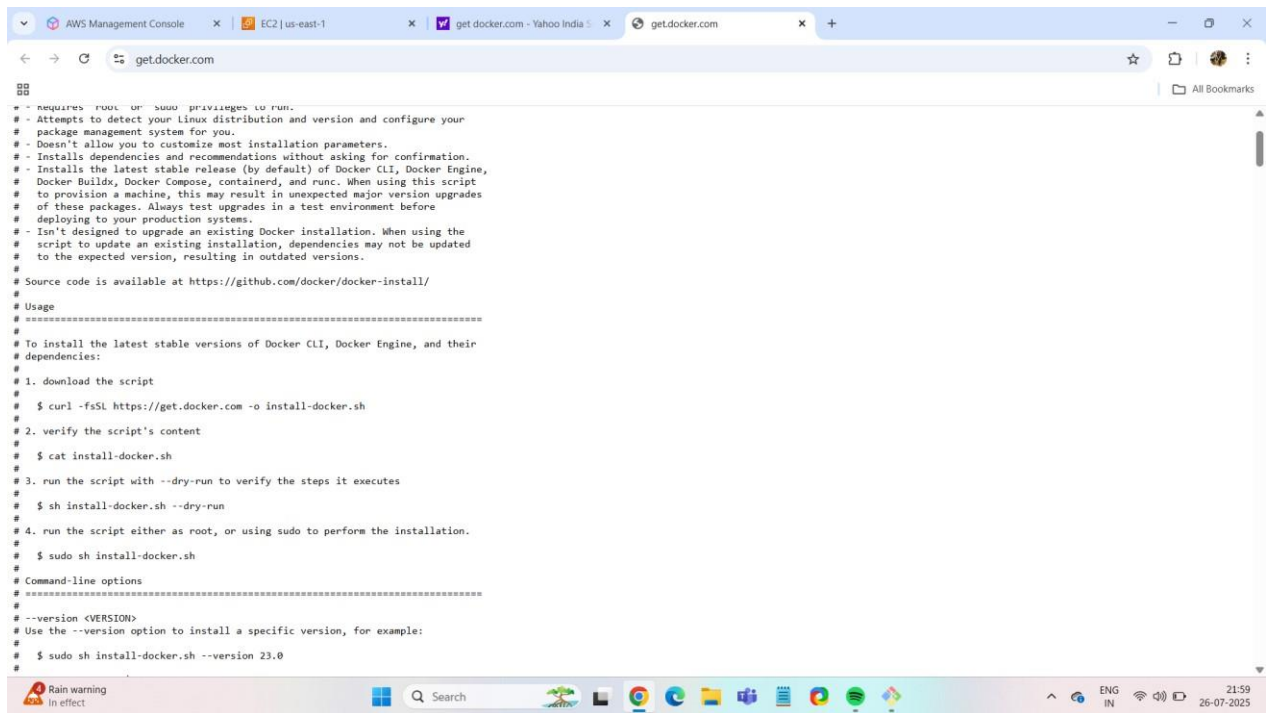
- launch ec2 instance with ubuntu os :



The screenshot shows a Windows terminal window titled 'ubuntu@ip-172-31-41-251:~'. The user is logged in as 'ls419@LAXMI MINGW64 ~'. They navigate to the 'Downloads' directory and attempt to SSH into an Ubuntu EC2 instance using a key named 'my-key.pem'. The terminal output shows the SSH command, the host's authenticity warning, and the user's confirmation to proceed. It also displays system information for Ubuntu 24.04.2 LTS, including system load, memory usage, and temperature. The terminal window is overlaid on a Windows desktop with a taskbar at the bottom showing various application icons and system status indicators.

```
ubuntu@ip-172-31-41-251:~  
ls419@LAXMI MINGW64 ~  
$ cd Downloads/  
ls419@LAXMI MINGW64 ~/Downloads  
$ ssh -i "my-key.pem" ubuntu@ec2-13-220-221-46.compute-1.amazonaws.com  
The authenticity of host 'ec2-13-220-221-46.compute-1.amazonaws.com (64:ff9b::ddc:dd2e)' can't be established.  
ED25519 key fingerprint is SHA256:HUX+ajkaiL48njuok7Jumq84f/H618w8j488cXcm5y8.  
This key is not known by any other names.  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added 'ec2-13-220-221-46.compute-1.amazonaws.com' (ED25519) to the list of known hosts.  
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1029-aws x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/pro  
  
System information as of Sat Jul 26 16:30:20 UTC 2025  
  
System load:  0.12           Temperature:   -273.1 C  
Usage of /:   25.4% of 6.71GB Processes:     111  
Memory usage: 23%           Users logged in: 0  
Swap usage:   0%            IPv4 address for ens5: 172.31.41.251  
  
Expanded Security Maintenance for Applications is not enabled.  
  
0 updates can be applied immediately.  
  
Enable ESM Apps to receive additional future security updates.  
See https://ubuntu.com/esm or run: sudo pro status  
  
The list of available updates is more than a week old.  
To check for new updates run: sudo apt update  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.
```

- Go to browser search get docker.com
- Copy command for install docker:
- You can also use this command for install: apt install docker.io



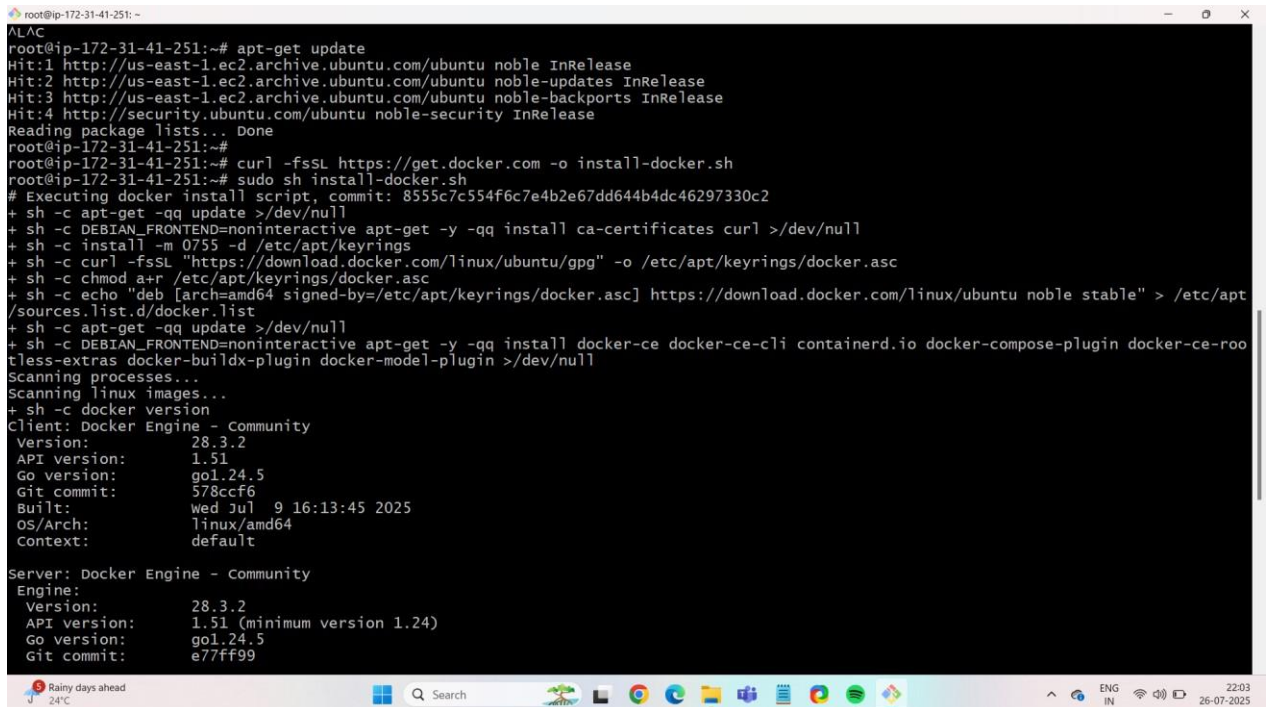
The screenshot shows a web browser window with the URL `get.docker.com`. The page content is a text-based installation script for Docker. The script includes instructions on how to install Docker on various Linux distributions, including Ubuntu, CentOS, and Fedora. It also provides information on how to update Docker and how to use the `--version` option to install a specific version of Docker.

```
## requires root or sudo privileges to run.
## Attempts to detect your Linux distribution and version and configure your
## package management system for you.
## Doesn't allow you to customize most installation parameters.
## Installs dependencies and recommendations without asking for confirmation.
## Installs the latest stable release (by default) of Docker CLI, Docker Engine,
## Docker Buildx, Docker Compose, containerd, and runc. When using this script
## to provision a machine, this may result in unexpected major version upgrades
## of these packages. Always test upgrades in a test environment before
## deploying to your production systems.
## Isn't designed to upgrade an existing Docker installation. When using the
## script to update an existing installation, dependencies may not be updated
## to the expected version, resulting in outdated versions.
##
## Source code is available at https://github.com/docker/docker-install/
##
## Usage
## =====
##
## To install the latest stable versions of Docker CLI, Docker Engine, and their
## dependencies:
##
## 1. download the script
##
## $ curl -fsSL https://get.docker.com -o install-docker.sh
##
## 2. verify the script's content
##
## $ cat install-docker.sh
##
## 3. run the script with --dry-run to verify the steps it executes
##
## $ sh install-docker.sh --dry-run
##
## 4. run the script either as root, or using sudo to perform the installation.
##
## $ sudo sh install-docker.sh
##
## Command-line options
## =====
##
## --version <VERSION>
## Use the --version option to install a specific version, for example:
##
## $ sudo sh install-docker.sh --version 23.0
```

Curl -fssl <https://get.docker.com> -o install-docker.sh

Sudo sh install-docker.sh

Docker -v : 28.3.2



The screenshot shows a terminal window with the following commands and output:

```
root@ip-172-31-41-251:~
ALAC
root@ip-172-31-41-251:~# apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu noble-security InRelease
Reading package lists... Done
root@ip-172-31-41-251:~# curl -fssl https://get.docker.com -o install-docker.sh
root@ip-172-31-41-251:~# sudo sh install-docker.sh
# Executing docker install script, commit: 8555c7c554f6c7e4b2e67dd644b4dc46297330c2
+ sh -c apt-get -qq update >/dev/null
+ sh -c DEBIAN_FRONTEND=noninteractive apt-get -y -qq install ca-certificates curl >/dev/null
+ sh -c install -m 0755 -d /etc/apt/keyrings
+ sh -c curl -fssl "https://download.docker.com/linux/ubuntu/gpg" -o /etc/apt/keyrings/docker.asc
+ sh -c chmod a+r /etc/apt/keyrings/docker.asc
+ sh -c echo "deb [arch=amd64 signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu noble stable" > /etc/apt/sources.list.d/docker.list
+ sh -c apt-get -qq update >/dev/null
+ sh -c DEBIAN_FRONTEND=noninteractive apt-get -y -qq install docker-ce docker-ce-cli containerd.io docker-compose-plugin docker-ce-rootless-extras docker-buildx-plugin docker-model-plugin >/dev/null
Scanning processes...
Scanning linux images...
+ sh -c docker version
Client: Docker Engine - Community
Version: 28.3.2
API version: 1.51
Go version: go1.24.5
Git commit: 578ccf6
Built: wed Jul 9 16:13:45 2025
OS/Arch: linux/amd64
Context: default

Server: Docker Engine - Community
Engine:
Version: 28.3.2
API version: 1.51 (minimum version 1.24)
Go version: go1.24.5
Git commit: e77ff99
```

```
root@ip-172-31-41-251:~#
Version:      28.3.2
API version:  1.51 (minimum version 1.24)
Go version:   go1.24.5
Git commit:   e77ff99
Built:        wed Jul 9 16:13:45 2025
OS/Arch:      linux/amd64
Experimental: false
containerd:
  Version:    1.7.27
  GitCommit:  05044ec0a9a75232cad458027ca83437aae3f4da
runc:
  Version:    1.2.5
  GitCommit:  v1.2.5-0-g59923ef
docker-init:
  Version:    0.19.0
  GitCommit:  de40ad0

=====

To run Docker as a non-privileged user, consider setting up the
Docker daemon in rootless mode for your user:

    dockerd-rootless-setuptool.sh install

Visit https://docs.docker.com/go/rootless/ to learn about rootless mode.

To run the Docker daemon as a fully privileged service, but granting non-root
users access, refer to https://docs.docker.com/go/daemon-access/

WARNING: Access to the remote API on a privileged Docker daemon is equivalent
to root access on the host. Refer to the 'Docker daemon attack surface'
documentation for details: https://docs.docker.com/go/attack-surface/

=====

root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#

=====

To run Docker as a non-privileged user, consider setting up the
Docker daemon in rootless mode for your user:

    dockerd-rootless-setuptool.sh install

Visit https://docs.docker.com/go/rootless/ to learn about rootless mode.

To run the Docker daemon as a fully privileged service, but granting non-root
users access, refer to https://docs.docker.com/go/daemon-access/

WARNING: Access to the remote API on a privileged Docker daemon is equivalent
to root access on the host. Refer to the 'Docker daemon attack surface'
documentation for details: https://docs.docker.com/go/attack-surface/

=====

root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~# docker -v
Docker version 28.3.2, build 578ccf6
root@ip-172-31-41-251:~#
```

For show image : docker images

For show container : docker ps

```
root@ip-172-31-41-251: ~
docker-init:
  version:      0.19.0
  gitCommit:    de40ad0

=====

To run Docker as a non-privileged user, consider setting up the
Docker daemon in rootless mode for your user:

  dockerd-rootless-setuptool.sh install

Visit https://docs.docker.com/go/rootless/ to learn about rootless mode.

To run the Docker daemon as a fully privileged service, but granting non-root
users access, refer to https://docs.docker.com/go/daemon-access/

WARNING: Access to the remote API on a privileged Docker daemon is equivalent
to root access on the host. Refer to the 'Docker daemon attack surface'
documentation for details: https://docs.docker.com/go/attack-surface/

=====

root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~# docker -v
Docker version 28.3.2, build 578ccf6
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
root@ip-172-31-41-251:~# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
root@ip-172-31-41-251:~#
```

- Create one directory : mkdir aws
- Go in that directory: cd aws

```
root@ip-172-31-41-251: ~/aws
root@ip-172-31-41-251:~# mkdir aws
root@ip-172-31-41-251:~# cd aws
root@ip-172-31-41-251:~/aws# ls
root@ip-172-31-41-251:~/aws# |
```

- Go to browser search digitalocean docker on ubuntu
- And copy the command for installing docker compose

Networking updates: multi-cloud connectivity, BYOIP and Reserved IPv6. Learn more →

Blog Docs Get Support Contact Sales

DigitalOcean Products Solutions Developers Partners Pricing Log in Sign up

Tutorials Questions Product Docs Cloud Chats Search Community

Table of contents

- Prerequisites
- Step 1 Installing Docker Compose
- Step 2 Setting Up a dockercompose.yml File
- Step 3 Running Docker Compose
- Step 4 Getting Familiar with Docker Compose Commands
- Common Errors and Debugging

To verify that the installation was successful, you can run:

```
$ docker-compose --version
```

You'll see output similar to this:

```
docker-compose version 1.29.2, build 5becea4c
```

This site uses cookies and related technologies, as described in our privacy policy, for purposes that may include site operation, analytics, enhanced user experience, or advertising. You may choose to consent to our use of these technologies, or manage your own preferences. Please visit our [cookie policy](#) for more information.

AGREE & PROCEED MANAGE CHOICES

24°C Light rain Search ENG IN 22:13 26-07-2023

Docker compose version : 1.29.2

```
root@ip-172-31-41-251: ~/aws# sudo curl -L "https://github.com/docker/compose/releases/download/1.29.2/docker-compose-$(uname -s)-$(uname -m)" -o /usr/local/bin/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 12.1M 100 12.1M    0     0  92.9M      0  --:--:-- --:--:-- --:--:--  92.9M
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# sudo chmod +x /usr/local/bin/docker-compose
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# docker-compose --version
docker-compose version 1.29.2, build 5becea4c
root@ip-172-31-41-251: ~/aws#
```

24°C Light rain Search ENG IN 22:13 26-07-2023

- Create one yaml file and add some container/images in that file • Vi docker-compose.yaml
- And save file : esc+:wq!


```
root@ip-172-31-41-251: ~/aws
614225424baf: Pull complete
e4b0ce2a63a0: Pull complete
aa244c246889: Pull complete
3ad73792eb2e: Pull complete
5987442f4c60: Pull complete
24679b88893a: Pull complete
344697a4c5f7: Pull complete
121e57d7341e: Pull complete
267bcff90bee: Pull complete
4f4fb700ef54: Pull complete
f355b328a187: Pull complete
63fbfe6658a0: Pull complete
6e37832ca901: Pull complete
ff3f5a2dff1d: Pull complete
d0385d65b3b3: Pull complete
d13e4c4ec6b7: Pull complete
5b8317739a8b: Pull complete
102400a54cff: Pull complete
02df3e5a454f: Pull complete
Digest: sha256:5b9bbf43537ea03ec12ec2adb28e706e20c75b1b5c9f85fd9ebd20b8e3d2cfe0
Status: Downloaded newer image for wordpress:latest
Pulling mytomee (tomee:)...
latest: Pulling from library/tomee
32f112e3802c: Pull complete
5f7b2271b86b: Pull complete
138f724658fd: Pull complete
10103ffc9741: Pull complete
cd9c703bfa7f: Pull complete
ea7dd6b53138: Pull complete
4f4fb700ef54: Pull complete
b39261f4114a: Pull complete
f973abb35ede: Pull complete
731c4a6ad768: Pull complete
Digest: sha256:1bc1658cb582571368b985e4c983cd024d0a3bc8d2cad2a4c6d0fe1235855570
Status: Downloaded newer image for tomee:latest
Creating aws_mytomee_1 ... done
Creating aws_mydb_1 ... done
Creating aws_mysite_1 ... done
root@ip-172-31-41-251:~/aws#
```

```
root@ip-172-31-41-251: ~/aws
02df3e5a454f: Pull complete
Digest: sha256:5b9bbf43537ea03ec12ec2adb28e706e20c75b1b5c9f85fd9ebd20b8e3d2cfe0
Status: Downloaded newer image for wordpress:latest
Pulling mytomee (tomee:)...
latest: Pulling from library/tomee
32f112e3802c: Pull complete
5f7b2271b86b: Pull complete
138f724658fd: Pull complete
10103ffc9741: Pull complete
cd9c703bfa7f: Pull complete
ea7dd6b53138: Pull complete
4f4fb700ef54: Pull complete
b39261f4114a: Pull complete
f973abb35ede: Pull complete
731c4a6ad768: Pull complete
Digest: sha256:1bc1658cb582571368b985e4c983cd024d0a3bc8d2cad2a4c6d0fe1235855570
Status: Downloaded newer image for tomee:latest
Creating aws_mytomee_1 ... done
Creating aws_mydb_1 ... done
Creating aws_mysite_1 ... done
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
wordpress latest 25f690fa7ac7 10 days ago 703MB
tomee latest eecd6969e40f 4 weeks ago 368MB
mysql 5 5107333e08a8 19 months ago 501MB
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAME
c666ac85add0 wordpress "docker-entrypoint.s..." 15 seconds ago Up 14 seconds 0.0.0.0:7070->80/tcp, [::]:7070->80/tcp aws_
4b7c11e11611 mysql:5 "docker-entrypoint.s..." 16 seconds ago Up 15 seconds 3306/tcp, 33060/tcp aws_
mydb_1
4ee2cb729d49 tomee "/__cacert_entrypoin..." 16 seconds ago Up 15 seconds 0.0.0.0:6161->8080/tcp, [::]:6161->8080/tcp aws_
mytomee_1
root@ip-172-31-41-251:~/aws#
```

Go to instance copy public ip and hit :

Output:

The first screenshot shows a web browser window with the URL `13.220.221.46:7070/wp-admin/setup-config.php`. The page displays the WordPress logo and a language selection dropdown menu. The dropdown is open, showing a list of languages including English (United States), Afrikaans, Azərbaycan dili, and others. A 'Continue' button is visible at the bottom of the dropdown.

The second screenshot shows a web browser window with the URL `13.220.221.46:5151`. The page is the Apache Tomcat (TomEE)/10.1.42 (10.1.0) welcome page. It features a green banner with the text 'If you're seeing this, you've successfully installed Tomcat. Congratulations!'. Below the banner, there are links for 'Recommended Reading' (Security Considerations How-To, Manager Application How-To, Clustering/Session Replication How-To) and buttons for 'Server Status', 'Manager App', and 'Host Manager'. The page also includes a 'Developer Quick Start' section with links to Tomcat Setup, Realms & AAA, Examples, and Servlet Specifications. At the bottom, there are sections for 'Managing Tomcat', 'Documentation', and 'Getting Help'.

Stop docker compose : docker-compose stop

```
root@ip-172-31-41-251: ~/aws
root@ip-172-31-41-251:~/aws# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                               NAME
c666ac85add0   wordpress "docker-entrypoint.s..." 31 seconds ago Up 31 seconds 0.0.0.0:7070->80/tcp, [::]:7070->80/tcp  aws_
4b7c11e11611   mysql:5    "docker-entrypoint.s..." 32 seconds ago Up 31 seconds 3306/tcp, 33060/tcp                 aws_
4ee2cb729d49   tomee      "/__cacert_entrypoin..." 32 seconds ago Up 31 seconds 0.0.0.0:6161->8080/tcp, [::]:6161->8080/tcp  aws_
mytomee_1
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
wordpress     latest   25f690fa7ac7  10 days ago   703MB
tomee         latest   eecd6969e40f  4 weeks ago   368MB
mysql         5        5107333e08a8  19 months ago 501MB
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker-compose stop
Stopping aws_mysite_1 ... done
Stopping aws_mydb_1 ... done
Stopping aws_mytomee_1 ... done
root@ip-172-31-41-251:~/aws#
```

- Delete multiple container at a time:
- `Docker rm -f $(docker ps -aq)`

```
root@ip-172-31-41-251: ~/aws
root@ip-172-31-41-251:~/aws# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS                               NAME
c666ac85add0   wordpress "docker-entrypoint.s..." 31 seconds ago Up 31 seconds 0.0.0.0:7070->80/tcp, [::]:7070->80/tcp  aws_
4b7c11e11611   mysql:5    "docker-entrypoint.s..." 32 seconds ago Up 31 seconds 3306/tcp, 33060/tcp                 aws_
4ee2cb729d49   tomee      "/__cacert_entrypoin..." 32 seconds ago Up 31 seconds 0.0.0.0:6161->8080/tcp, [::]:6161->8080/tcp  aws_
mytomee_1
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
wordpress     latest   25f690fa7ac7  10 days ago   703MB
tomee         latest   eecd6969e40f  4 weeks ago   368MB
mysql         5        5107333e08a8  19 months ago 501MB
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker-compose stop
Stopping aws_mysite_1 ... done
Stopping aws_mydb_1 ... done
Stopping aws_mytomee_1 ... done
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS       NAMES
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
wordpress     latest   25f690fa7ac7  10 days ago   703MB
tomee         latest   eecd6969e40f  4 weeks ago   368MB
mysql         5        5107333e08a8  19 months ago 501MB
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker rm -f $(docker ps -aq)
c666ac85add0
4b7c11e11611
4ee2cb729d49
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
```

Delete multiple image :

`Docker rmi -f $(docker images -q)`

```
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
wordpress     latest    25f690fa7ac7   10 days ago    703MB
tomree        latest    eec6d969e40f   4 weeks ago    368MB
mysql         5         5107333e08a8   19 months ago  501MB
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# docker-compose stop
Stopping aws_mysite_1 ... done
Stopping aws_mydb_1 ... done
Stopping aws_mytomree_1 ... done
root@ip-172-31-41-251: ~/aws# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS   NAMES
root@ip-172-31-41-251: ~/aws# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
wordpress     latest    25f690fa7ac7   10 days ago    703MB
tomree        latest    eec6d969e40f   4 weeks ago    368MB
mysql         5         5107333e08a8   19 months ago  501MB
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# docker rm -f $(docker ps -aq)
c666ac85add0
4b7c11e11611
4ee2cb729d49
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# docker rmi $(docker images -q)
Untagged: wordpress:latest
Deleted: sha256:25f690fa7ac70d9528d72c2fd1d50765481398e474b466f0d72bfff77192a550b
Deleted: sha256:760b401f813287b3966823e213e6ff3d0cf41c761603464b9580b1efbc1cd43d
Deleted: sha256:ccbfc5739b5458d1947567fc77d2a14b9a6f724a35468f16c2ed0ece66a8cb0e
Deleted: sha256:9ba28b6bb70c4c478cfb7d0b51b081011d67354f4aff11229d5890b5197da86b
Deleted: sha256:62f79f303a4309f8524ff9159add39a8181187321d32d511a77ae1c90ffa5dcd
Deleted: sha256:596cb8e29dfd887efb8afb58ec3938335aaaa3d1c136f59ac70ebef2f2eb7dc5
Deleted: sha256:08f30c7fd4e35cde5684b15e3b561005818bc435ab6bf8baa1854b3d88b39908
Deleted: sha256:9b75bfa603661fece4c92fb71c4c97fef8a71349025ae0045736cd4dbc531928
Deleted: sha256:a522b634fccb9016f1832309e6e791afed7b58119c87bab56e6078f993894826
Deleted: sha256:426d379bd31acb38507989870b32a5963bf639a307e75b2e30cd5d52a33ab00
```

Delete docker-compose.yaml file also

```
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws# rm -f docker-compose.yaml
root@ip-172-31-41-251: ~/aws#
root@ip-172-31-41-251: ~/aws#
```

- Vi docker-compose.yaml file And add some contain:

```
root@ip-172-31-41-251: ~/aws
services:
  web:
    image: php:7.4-apache
    ports:
      - "80:80"

  db:
    image: mysql:5.7
    environment:
      MYSQL_ROOT_PASSWORD: rootpassword
      MYSQL_DATABASE: mydb
      MYSQL_USER: laxmi
      MYSQL_PASSWORD: swami15
    ports:
      - "3306:3306"

  phpmyadmin:
    image: phpmyadmin/phpmyadmin
    environment:
      PMA_HOST: db
      MYSQL_ROOT_PASSWORD: rootpassword
    ports:
      - "8080:80"

  db2:
    image: tomeetomee
    ports:
      - "5151:8080"

  mysite:
    image: wordpress
    ports:
      - "7070:80"

-- INSERT --
```

Cat docker-compose.yml:

```
root@ip-172-31-41-251: ~/aws# vi docker-compose.yml
root@ip-172-31-41-251: ~/aws# cat docker-compose.yml
version: '3.8'

services:
  web:
    image: php:7.4-apache
    ports:
      - "80:80"

  db:
    image: mysql:5.7
    environment:
      MYSQL_ROOT_PASSWORD: rootpassword
      MYSQL_DATABASE: mydb
      MYSQL_USER: laxmi
      MYSQL_PASSWORD: swami15
    ports:
      - "3306:3306"

  phpmyadmin:
    image: phpmyadmin/phpmyadmin
    environment:
      PMA_HOST: db
      MYSQL_ROOT_PASSWORD: rootpassword
    ports:
      - "8080:80"

  db2:
    image: tomeetomee
    ports:
      - "5151:8080"

  mysite:
    image: wordpress
    ports:
      - "7070:80"

root@ip-172-31-41-251: ~/aws#
```

Run docker-compose : docker-compose up -d

```
root@ip-172-31-41-251: ~/aws
mysite:
  image: wordpress
  ports:
    - "7070:80"

root@ip-172-31-41-251:~/aws# ^C
root@ip-172-31-41-251:~/aws# vi docker-compose.yml
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker-compose up -d
ERROR: The compose file './docker-compose.yml' is invalid because:
services.phpmyadmin.ports contains an invalid type, it should be an array
root@ip-172-31-41-251:~/aws# vi docker-compose.yml
root@ip-172-31-41-251:~/aws# docker-compose up -d
Pulling web (php:7.4-apache)...
7.4-apache: Pulling from library/php
a603fa5e3b41: Pull complete
c428f1a49423: Pull complete
156740b07ef8: Pull complete
fb5a4c8af82f: Pull complete
25f85b498fd5: Pull complete
9b233e420ac7: Pull complete
fe42347c4ecf: Pull complete
d14eb2ed1e17: Pull complete
66d98f73acb6: Pull complete
d2c43c5efbc8: Pull complete
ab590b48ea47: Pull complete
80692ae2d067: Pull complete
05e465aaa99a: Pull complete
Digest: sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e0ca6d
Status: Downloaded newer image for php:7.4-apache
Pulling db (mysql:5.7)...
5.7: Pulling from library/mysql
20e4dcae4c69: Pull complete
1c56c3d4ce74: Pull complete
e9f03a1c24ce: Pull complete
68c3898c2015: Pull complete
6b95a940e7b6: Pull complete
90986bb8de6e: Pull complete

root@ip-172-31-41-251:~/aws# docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
wordpress            latest              25f690fa7ac7       10 days ago        703MB
tomee                 latest              eecd6969e40f       4 weeks ago        368MB
phpmyadmin/phpmyadmin latest              0276a66ce322       6 months ago       571MB
mysql                 5.7                 5107333e08a8       19 months ago      501MB
php                   7.4-apache         20a3732f422b       2 years ago        453MB

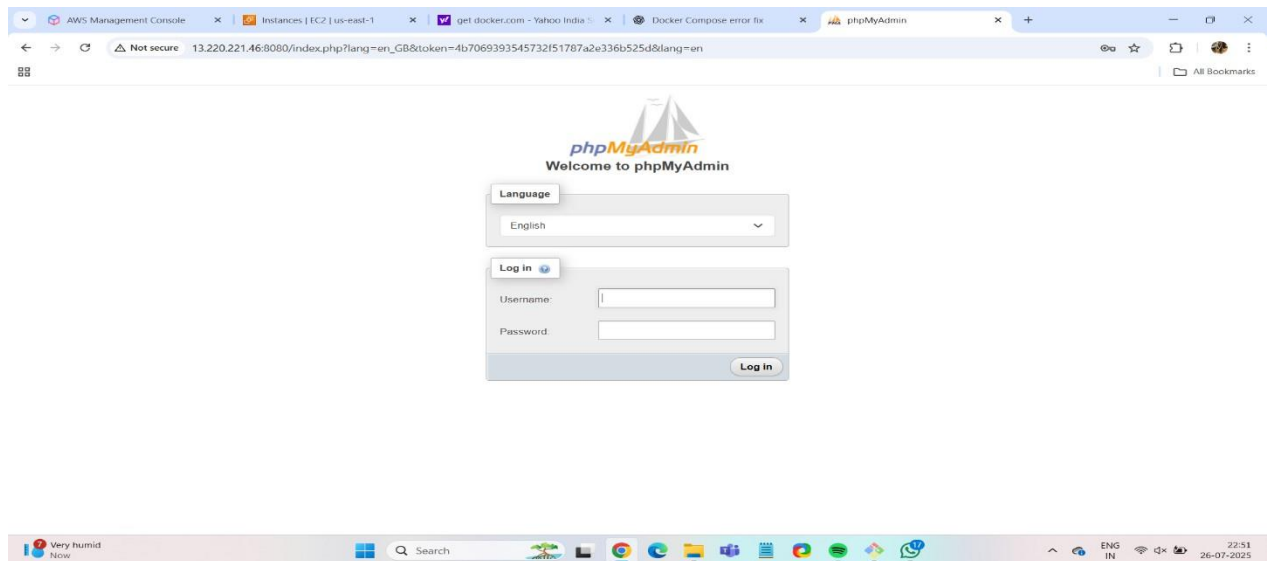
root@ip-172-31-41-251:~/aws# docker ps
CONTAINER ID   IMAGE                  COMMAND                  CREATED             STATUS             PORTS
f7dc590ecd5a   mysql:5.7              "docker-entrypoint.s..." 2 minutes ago       Up 2 minutes       0.0.0.0:3306->3306/tcp, [::]:3306->3306/tcp
92b88126c02a   tomee                  "/__cacert_entrypoi..." 2 minutes ago       Up 2 minutes       0.0.0.0:5151->8080/tcp, [::]:5151->8080/tcp
29f34292796b   php:7.4-apache         "docker-php-entrypoi..." 2 minutes ago       Up 2 minutes       0.0.0.0:80->80/tcp, [::]:80->80/tcp
35a8316fda67   phpmyadmin/phpmyadmin "/docker-entrypoint.s..." 2 minutes ago       Up 2 minutes       0.0.0.0:8080->80/tcp, [::]:8080->80/tcp
6582988aa6d9   wordpress               "docker-entrypoint.s..." 2 minutes ago       Up 2 minutes       0.0.0.0:7070->80/tcp, [::]:7070->80/tcp
```

Give permission for phpadmin : `chmod 777 docker-compose.yml`


```
root@ip-172-31-41-251: ~/aws
mysql 5.7 5107333e08a8 19 months ago 501MB
php 7.4-apache 20a3732f422b 2 years ago 453MB
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
f7dc590ecdffa  mysql:5.7                          "docker-entrypoint.s..." 2 minutes ago  Up 2 minutes  0.0.0.0:3306->3306/tcp, [::]:3306->3306/
92b88126c02a   aws_db_1                            "/__cacert_entrypoi..." 2 minutes ago  Up 2 minutes  0.0.0.0:5151->8080/tcp, [::]:5151->8080/
29f34292796b   aws_db2_1                           "docker-php-entrypoi..." 2 minutes ago  Up 2 minutes  0.0.0.0:80->80/tcp, [::]:80->80/tcp
35a8316fda67   phpmyadmin/phpmyadmin              "/docker-entrypoint..." 2 minutes ago  Up 2 minutes  0.0.0.0:8080->80/tcp, [::]:8080->80/tcp
6582988aa6d9   wordpress                          "docker-entrypoint.s..." 2 minutes ago  Up 2 minutes  0.0.0.0:7070->80/tcp, [::]:7070->80/tcp
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# chmod 777 0276a66ce322
chmod: cannot access '0276a66ce322': No such file or directory
root@ip-172-31-41-251:~/aws# vi docker-compose.yaml
root@ip-172-31-41-251:~/aws# docker-compose up -d
WARNING: Found orphan containers (aws_mysite_1) for this project. If you removed or renamed this service in your compose file, you can
run this command with the --remove-orphans flag to clean it up.
aws_db2_1 is up-to-date
aws_web_1 is up-to-date
aws_phpmyadmin_1 is up-to-date
aws_db_1 is up-to-date
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws#
root@ip-172-31-41-251:~/aws# chmod 777 docker-compose.yaml
root@ip-172-31-41-251:~/aws# cat docker-compose.yaml
version: '3.8'

services:
  web:
    image: php:7.4-apache
    ports:
      - "80:80"
```

Go to instance and copy public ip and hit



AWS Management Console | Instances | EC2 | us-east-1 | get.docker.com - Yahoo India | Docker Compose error fix | 13.220.221.46:8080 / db | phpMyAdmin

Not secure 13.220.221.46:8080/index.php?route=

phpMyAdmin

Recent Favorites

information_schema mydb

General settings

Change password

Server connection collation: utf8mb4_unicode_ci

More settings

Appearance settings

Language: English

Theme: pmahomme View all

Database server

- Server: db via TCP/IP
- Server type: MySQL
- Server connection: SSL is not being used
- Server version: 5.7.44 - MySQL Community Server (GPL)
- Protocol version: 10
- User: laxmi@172.18.0.5
- Server charset: cp1252 West European (latin1)

Web server

- Apache/2.4.62 (Debian)
- Database client version: libmysql - mysqld 8.2.27
- PHP extension: mysqli curl mbstring sodium
- PHP version: 8.2.27

phpMyAdmin

- Version information: 5.2.2
- Documentation
- Official Homepage
- Contribute
- Get support

Console

Rain to stop In about 1.5 hours

Search

ENG IN 22:52 26-07-2025

AWS Management Console | Instances | EC2 | us-east-1 | get.docker.com - Yahoo India | Docker Compose error fix | WordPress - Setup Configuration

Not secure 13.220.221.46:7070/wp-admin/setup-config.php

WordPress

English (United States)

Afrikaans

አማርኛ

Aragonés

العربية

العربية المغربية

অসমীয়া

گۆنئی آذربایجان

Azərbaycan dili

Беларуская мова

Български

বাংলা

ବିହାରୀ

Bosanski

Català

Cebuano

Čeština

Cymraeg

Dansk

Deutsch (Schweiz)

Deutsch

Continue

NZ - SA Game score

Search

ENG IN 22:47 26-07-2025

