

**Name :- Laxmi Swami**

## **Topic :- Dockerfile**

Launch an ec2 instance create a dockerfile and run various command also push images from local to dockerhub.

```
root@ip-172-31-81-63: ~
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro

System information as of Tue Jul 29 16:47:13 UTC 2025

System load: 0.04          Processes: 111
Usage of /: 32.2% of 7.57GB Users logged in: 0
Memory usage: 27%          IPv4 address for ens5: 172.31.81.63
Swap usage: 0%

* Ubuntu Pro delivers the most comprehensive open source security and
  compliance features.

https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

88 updates can be applied immediately.
69 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

New release '24.04.2 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Jul 29 16:41:34 2025 from 157.32.159.26
ubuntu@ip-172-31-81-63:~$
ubuntu@ip-172-31-81-63:~$ sudo su -
root@ip-172-31-81-63:~# apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:5 https://download.docker.com/linux/ubuntu jammy InRelease
Reading package lists... Done
root@ip-172-31-81-63:~#

Server: Docker Engine - Community
Engine:
  Version: 28.3.3
  API version: 1.51 (minimum version 1.24)
  Go version: go1.24.5
  Git commit: bea959c
  Built: Fri Jul 25 11:34:04 2025
  OS/Arch: linux/amd64
  Experimental: false
containerd:
  Version: 1.7.27
  GitCommit: 05044ec0a9a75232cad458027ca83437aee3f4da
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-172-31-81-63:~/aws1# docker -v
Docker version 28.3.3, build 980b856
root@ip-172-31-81-63:~/aws1#
```

Go to [getdocker.com](https://get.docker.com) and copy the link for install docker:

```
root@ip-172-31-81-63: ~/aws1
Hit:$ https://download.docker.com/linux/ubuntu jammy InRelease
Reading package lists... Done
root@ip-172-31-81-63:~#
root@ip-172-31-81-63:~# mkdir aws1
root@ip-172-31-81-63:~#
root@ip-172-31-81-63:~# cd aws1
root@ip-172-31-81-63:~/aws1# curl -fSSL https://get.docker.com -o install-docker.sh
root@ip-172-31-81-63:~/aws1# sudo sh install-docker.sh
# Executing docker install script, commit: 8555c7c554f6c7e4b2e67dd644b4dc46297330c2
Warning: the "docker" command appears to already exist on this system.

If you already have Docker installed, this script can cause trouble, which is
why we're displaying this warning and provide the opportunity to cancel the
installation.

If you installed the current Docker package using this script and are using it
again to update Docker, you can ignore this message, but be aware that the
script resets any custom changes in the deb and rpm repo configuration
files to match the parameters passed to the script.

You may press Ctrl+C now to abort this script.
+ sleep 20
+ 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 jammy stable" > /etc/apt/sources.l
ist.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-extr
as docker-buildx-plugin docker-model-plugin >/dev/null
+ sh -c docker version
Client: Docker Engine - Community
Version: 28.3.3
API version: 1.51
Go version: go1.24.5
Git commit: 980b856
Built: Fri Jul 25 11:34:04 2025
OS/Arch: linux/amd64
```

Docker version : 28.3.3

And pull nginx image :docker pull nginx

```
root@ip-172-31-81-63: ~/aws1
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-setupool.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-172-31-81-63:~/aws1# docker -v
Docker version 28.3.3, build 980b856
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker pull nginx
Using default tag: latest
latest: pulling from library/nginx
59e22667830b: Pull complete
140da4f89dcb: Extracting [=====>] 27.98MB/43.97MB
96e47e70491e: Download complete
2ef442a3816e: Download complete
4b1e45a9989f: Download complete
1d9f51194194: Download complete
f30ffbee4c54: Download complete
```

Use **docker images** for display all images in local



```
root@ip-172-31-81-63: ~/aws1
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# vi dockerfile
root@ip-172-31-81-63:~/aws1# cat dockerfile
FROM ubuntu
MAINTAINER laxmi
CMD ["date"]

root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker build -t ubuntu .
[*] Building 2.4s (5/5) FINISHED
=> [internal] load build definition from dockerfile
=> => transferring dockerfile: 80B
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/1] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061
=> resolve docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061
=> sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061 6.69kB / 6.69kB
=> sha256:4f1db91d9560cf107b5832c0761364ec64f46777aa4ec637cca3008f287c975e 424B / 424B
=> sha256:65ae7a6f3544bd2d2b6d19b13bfc64752d776bc92c510f874188bf404d205a3 2.30kB / 2.30kB
=> sha256:32f112e3802cadcab3543160f4d2aa607b3cc1c62140d57b4f5441384f40e927 29.72MB / 29.72MB
=> extracting sha256:32f112e3802cadcab3543160f4d2aa607b3cc1c62140d57b4f5441384f40e927
=> exporting to image
=> => exporting layers
=> writing image sha256:59c8c8caa501bb02256fdef80db6719469a13dc59740ca4d104682fca5930651
=> naming to docker.io/library/ubuntu

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-81-63:~/aws1# docker run --name con1 -it ubuntu
Tue Jul 29 16:58:35 UTC 2025
root@ip-172-31-81-63:~/aws1#

root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# vi dockerfile
root@ip-172-31-81-63:~/aws1# cat dockerfile
FROM ubuntu
MAINTAINER laxmi
CMD ["date"]

root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker build -t ubuntu .
[*] Building 2.4s (5/5) FINISHED
=> [internal] load build definition from dockerfile
=> => transferring dockerfile: 80B
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/1] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061
=> resolve docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061
=> sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061 6.69kB / 6.69kB
=> sha256:4f1db91d9560cf107b5832c0761364ec64f46777aa4ec637cca3008f287c975e 424B / 424B
=> sha256:65ae7a6f3544bd2d2b6d19b13bfc64752d776bc92c510f874188bf404d205a3 2.30kB / 2.30kB
=> sha256:32f112e3802cadcab3543160f4d2aa607b3cc1c62140d57b4f5441384f40e927 29.72MB / 29.72MB
=> extracting sha256:32f112e3802cadcab3543160f4d2aa607b3cc1c62140d57b4f5441384f40e927
=> exporting to image
=> => exporting layers
=> writing image sha256:59c8c8caa501bb02256fdef80db6719469a13dc59740ca4d104682fca5930651
=> naming to docker.io/library/ubuntu

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-81-63:~/aws1# docker run --name con1 -it ubuntu
Tue Jul 29 16:58:35 UTC 2025
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
root@ip-172-31-81-63:~/aws1# docker ps -a
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
d752c1e4e14d   ubuntu   "date"    21 seconds ago   Exited (0) 19 seconds ago
root@ip-172-31-81-63:~/aws1#
```

Vi dockerfile:

FROM ubuntu

MAINTAINER Laxmi

CMD ["date"]

CMD ["ls", "-la"] : list out all







```
root@ip-172-31-81-63: ~/aws1
RUN apt install git -y

root@ip-172-31-81-63:~/aws1# docker build -i ubuntu2
unknown shorthand flag: 'i' in -i

Usage:  docker buildx build [OPTIONS] PATH | URL | -

Run 'docker buildx build --help' for more information
root@ip-172-31-81-63:~/aws1# docker build -t ubuntu2 .
ERROR: docker: 'docker buildx build' requires 1 argument

Usage:  docker buildx build [OPTIONS] PATH | URL | -

Run 'docker buildx build --help' for more information
root@ip-172-31-81-63:~/aws1# docker build -t ubuntu2 .
[+] Building 18.1s (7/7) FINISHED
=> [internal] load build definition from dockerfile
=> => transferring dockerfile: 110B
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> CACHED [1/3] FROM docker.io/library/ubuntu:latest
=> [2/3] RUN apt-get update
=> [3/3] RUN apt install git -y
=> exporting to image
=> exporting layers
=> writing image sha256:5cd1988a1126fcf7edb38cfffab35914ab481936f6f8e8fc9d8b8280b536334a4
=> naming to docker.io/library/ubuntu2

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker run --name con3 -it ubuntu2
Tue Jul 29 17:05:59 UTC 2025
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# git --version
git version 2.34.1
root@ip-172-31-81-63:~/aws1#
```

Vi dockerfile

FROM ubuntu

MAINTAINER Laxmi RUN

apt install git -y

RUN apt install tree -y

In this time git is go to cached

```
root@ip-172-31-81-63: ~/aws1
FROM ubuntu
MAINTAINER laxmi
RUN apt-get update
RUN apt install git -y
RUN apt install tree -y

-- INSERT --
```

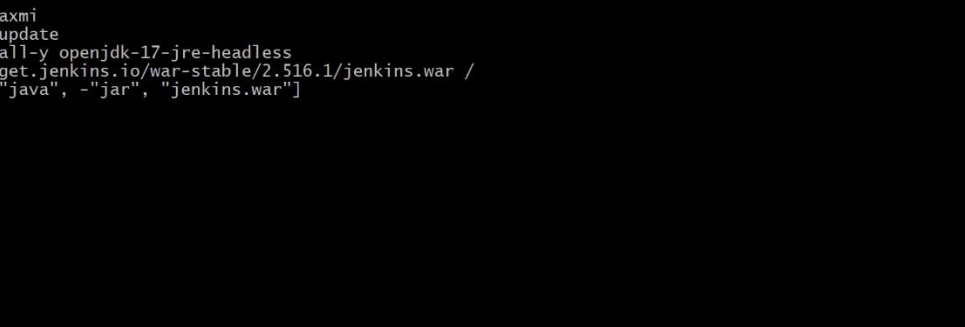
```

root@ip-172-31-81-63: ~/aws1
1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# git --version
git version 2.34.1
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker run --name con4 -it ubuntu3
Tue Jul 29 17:10:30 UTC 2025
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
root@ip-172-31-81-63:~/aws1# docker ps -a
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS          NAMES
f2d4effbf98f  ubuntu3   "date"                  21 seconds ago  Exited (0)    21 seconds ago  con4
3fa499face70  ubuntu2   "date"                  4 minutes ago  Exited (0)    4 minutes ago  con3
3c5b49784613  ubuntu1   "ls -la"                7 minutes ago  Exited (0)    7 minutes ago  con2
d752c1e4e14d  ubuntu   "date"                  12 minutes ago  Exited (0)    12 minutes ago  con1
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# vi dockerfile
root@ip-172-31-81-63:~/aws1#
root@ip-172-31-81-63:~/aws1# docker build -t ubuntu5 .
[+] Building 3.8s (8/8) FINISHED
=> [internal] load build definition from dockerfile                                docker:default
=> => transferring dockerfile: 135B                                              0.0s
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2) 0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest                  0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> [1/4] FROM docker.io/library/ubuntu:latest                                   0.0s
=> CACHED [2/4] RUN apt-get update                                                0.0s
=> CACHED [3/4] RUN apt install git -y                                           0.0s
=> [4/4] RUN apt install tree -y                                                 3.6s
=> exporting to image                                                            0.1s
=> => exporting layers                                                            0.1s
=> => writing image sha256:94e479231504c4c2f162c596f545922d8da66f2Fec849a8fc36d14c31f32f6f 0.0s
=> => naming to docker.io/library/ubuntu5                                       0.0s

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-81-63:~/aws1#

```





Very humid  
Now

15:55  
30-07-2025

root@ip-172-31-86-134: ~/docker

```
FROM ubuntu
MAINTAINER laxmi
RUN apt-get update
RUN apt install-y openjdk-17-jre-headless
ADD https://get.jenkins.io/war-stable/2.516.1/jenkins.war /
ENTRYPOINT ["java", -"jar", "jenkins.war"]
```

25°C  
Mostly cloudy

16:00  
30-07-2025

```
root@ip-172-31-86-134: ~/docker
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-172-31-86-134:~/docker# ls
install-docker.sh
root@ip-172-31-86-134:~/docker# vi dockerfile
root@ip-172-31-86-134:~/docker# cat dockerfile
FROM ubuntu
MAINTAINER laxmi
RUN apt-get update
RUN apt install -y openjdk-17-jre-headless
ADD https://get.jenkins.io/war-stable/2.516.1/jenkins.war /
ENTRYPOINT ["java", "-jar", "jenkins.war"]

root@ip-172-31-86-134:~/docker# docker build -t laxmi3319/jenkins .
[+] Building 9.3s (7/8)                                docker:default
=> [internal] load build definition from dockerfile      0.0s
=> => transferring dockerfile: 233B                      0.0s
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2) 0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 0.9s
=> [internal] load .dockerignore                        0.0s
=> => transferring context: 2B                             0.0s
=> [1/4] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda3 2.2s
=> => resolve docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda3 0.0s
=> => sha256:4f1db91d9560cf107b5832c0761364ec64f46777aa4ec637cca3008f287c975e 424B / 424B 0.0s
=> => sha256:65ae7a6f3544bd2d2b6d19b13bfc64752d776bc92c510f874188bfd404d205a3 2.30kB / 2.30kB 0.0s
=> => sha256:32f112e3802cadcab3543160f4d2aa607b3cc1c62140d57b4f5441384f40e927 29.72MB / 29.72MB 0.4s
=> => sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda354ff061 6.69kB / 6.69kB 0.0s

root@ip-172-31-86-134:~/docker# cat dockerfile
FROM ubuntu
MAINTAINER laxmi
RUN apt-get update
RUN apt install -y openjdk-17-jre-headless
ADD https://get.jenkins.io/war-stable/2.516.1/jenkins.war /
ENTRYPOINT ["java", "-jar", "jenkins.war"]

root@ip-172-31-86-134:~/docker# vi dockerfile
root@ip-172-31-86-134:~/docker# docker build -t laxmi3319/jenkins2 .
[+] Building 60.5s (9/9) FINISHED                                docker:default
=> [internal] load build definition from dockerfile      0.0s
=> => transferring dockerfile: 235B                      0.0s
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2) 0.0s
=> WARN: JSONArgsRecommended: JSON arguments recommended for ENTRYPOINT to prevent unintended behavior related 0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 0.1s
=> [internal] load .dockerignore                        0.0s
=> => transferring context: 2B                             0.0s
=> [1/4] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe51acda3 0.0s
=> [4/4] ADD https://get.jenkins.io/war-stable/2.516.1/jenkins.war / 20.9s
=> CACHED [2/4] RUN apt-get update                      0.0s
=> [3/4] RUN apt install -y openjdk-17-jre-headless    29.0s
=> [4/4] ADD https://get.jenkins.io/war-stable/2.516.1/jenkins.war / 0.7s
=> exporting to image                                  30.5s
=> => exporting layers                                    30.5s
=> => writing image sha256:9d1567c224552f426e9eaa48c36ecbabbcc57b912d9caf910e172394e500d45 0.0s
=> => naming to docker.io/laxmi3319/jenkins2             0.0s

2 warnings found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
- JSONArgsRecommended: JSON arguments recommended for ENTRYPOINT to prevent unintended behavior related to OS signals (line 6)
root@ip-172-31-86-134:~/docker# |
```

FROM ubuntu

MAINTAINER Laxmi

EXPOSE 80

RUN apt-get update && apt install -y git



```
root@ip-172-31-86-134: ~/docker
=> [3/4] RUN apt install -y openjdk-17-jre-headless 29.0s
=> [4/4] ADD https://get.jenkins.io/war-stable/2.516.1/jenkins.war / 0.7s
=> exporting to image 30.5s
=> exporting layers 30.5s
=> writing image sha256:9d1567c224552f426e9eeaa48c36ecbabbc57b912d9caf910e172394e500d45 0.0s
=> naming to docker.io/laxmi3319/jenkins2 0.0s

2 warnings found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
- JSONArgsRecommended: JSON arguments recommended for ENTRYPOINT to prevent unintended behavior related to OS signals (line 6)
root@ip-172-31-86-134:~/docker# vi dockerfile
root@ip-172-31-86-134:~/docker# docker build -t laxmi3319/jenkins3 .
[+] Building 21.6s (9/9) FINISHED docker:default
=> [internal] load build definition from dockerfile 0.0s
=> => transferring dockerfile: 139B 0.0s
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2) 0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 0.2s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> CACHED [1/4] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 20.74kB 0.0s
=> [2/4] WORKDIR /opt 0.0s
=> [3/4] COPY . . 0.0s
=> [4/4] RUN apt-get update && apt install -y git 20.1s
=> exporting to image 1.0s
=> exporting layers 1.0s
=> writing image sha256:e96f53b3428e3c418163c98c954499daaea06a3a276f933819b69641163afad4 0.0s
=> naming to docker.io/laxmi3319/jenkins3 0.0s

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-86-134:~/docker#
```

```
root@426d49171fbc:/
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2) 0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 0.2s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> CACHED [1/4] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 20.74kB 0.0s
=> [2/4] WORKDIR /opt 0.0s
=> [3/4] COPY . . 0.0s
=> [4/4] RUN apt-get update && apt install -y git 20.1s
=> exporting to image 1.0s
=> exporting layers 1.0s
=> writing image sha256:e96f53b3428e3c418163c98c954499daaea06a3a276f933819b69641163afad4 0.0s
=> naming to docker.io/laxmi3319/jenkins3 0.0s

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-86-134:~/docker# ls
dockerfile install-docker.sh
root@ip-172-31-86-134:~/docker#
root@ip-172-31-86-134:~/docker#
root@ip-172-31-86-134:~/docker# docker images
REPOSITORY TAG IMAGE ID CREATED SIZE
laxmi3319/jenkins3 latest e96f53b3428e 42 seconds ago 221MB
laxmi3319/jenkins2 latest 9d1567c22455 6 minutes ago 482MB
root@ip-172-31-86-134:~/docker# docker run --name con1 -it laxmi3319/jenkins3
root@426d49171fbc:/opt# ls
dockerfile install-docker.sh
root@426d49171fbc:/opt#
root@426d49171fbc:/opt#
root@426d49171fbc:/opt# cd ..
root@426d49171fbc:/# git --version
git version 2.43.0
root@426d49171fbc:/# |
```



```
root@bf7cc46422a1: /var
bash: sudo: command not found
root@426d49171fbc: /# root@ip-172-31-86-134: ~/docker#
root@ip-172-31-86-134: ~/docker# vi dockerfile
root@ip-172-31-86-134: ~/docker# docker build -t laxmi3319/jenkins5 .
[+] Building 0.4s (7/7) FINISHED
=> [internal] load build definition from dockerfile
=> => transferring dockerfile: 78B
=> WARN: MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load build context
=> => transferring context: 116B
=> CACHED [1/2] FROM docker.io/library/ubuntu:latest@sha256:a08e551cb33850e4740772b38217fc1796a66da2506d312abe
=> [2/2] COPY . /var
=> exporting to image
=> => exporting layers
=> => writing image sha256:578aca4329a9c07de7cb5cde986a4b60a8b49e1133e904a5728d9fb98f37c5a5
=> => naming to docker.io/laxmi3319/jenkins5

1 warning found (use docker --debug to expand):
- MaintainerDeprecated: Maintainer instruction is deprecated in favor of using label (line 2)
root@ip-172-31-86-134: ~/docker# docker images
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
laxmi3319/jenkins5  latest         578aca4329a9   6 seconds ago  78.1MB
laxmi3319/jenkins3  latest         e96f53b3428e   12 minutes ago 221MB
laxmi3319/jenkins2  latest         9d1567c22455   18 minutes ago 482MB
root@ip-172-31-86-134: ~/docker# docker run --name con2 -it laxmi3319/jenkins5
root@bf7cc46422a1: /# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
root@bf7cc46422a1: /# cd var
root@bf7cc46422a1: /var# ls
backups cache dockerfile install-docker.sh lib local lock log mail opt run spool tmp
root@bf7cc46422a1: /var#
```

laxmi3319

Docker Personal

Repositories

Collaborations

Settings

Default privacy

Notifications

Billing

Usage

Pulls

Storage

Repositories

All repositories within the laxmi3319 namespace.

Search by repository name

All content

Create a repository

Name	Last Pushed	Contains	Visibility	Scout
laxmi3319/tomee	6 minutes ago	IMAGE	Public	Inactive
laxmi3319/nginx	17 minutes ago	IMAGE	Public	Inactive
laxmi3319/myimage3	28 minutes ago	IMAGE	Public	Inactive

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