

# Build a Custom Docker Image

## Clone Git repository

```
Directory of E:\temp

29-07-2023  00:19    <DIR>          .
               0 File(s)              0 bytes
               1 Dir(s)  7,886,643,200 bytes free

E:\temp>git clone https://github.com/Anuj1990/Docker.git
Cloning into 'Docker'...
remote: Enumerating objects: 168, done.
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (17/17), done.
remote: Total 168 (delta 47), reused 33 (delta 33), pack-reused 118
Receiving objects: 100% (168/168), 63.86 KiB | 175.00 KiB/s, done.
Resolving deltas: 100% (71/71), done.

E:\temp>
```

## Docker Build

```
E:\temp\Docker>docker build -t custom-docker-img -f Dockerfile .
[+] Building 44.8s (5/11)                                docker:default
=> [internal] load build definition from Dockerfile      0.0s
=> == transferring dockerfile: 574B                     0.0s
=> [internal] load .dockerignore                        0.0s
=> == transferring context: 2B                          0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 0.0s
=> [1/7] FROM docker.io/library/ubuntu:latest           0.1s
=> [internal] load build context                        0.1s
=> == transferring context: 153.37kB                    0.0s
=> [2/7] RUN apt-get update -y                          44.6s
=> # 64 Packages [1792 kB]
=> # Get:13 http://archive.ubuntu.com/ubuntu jammy-updates/
=> # universe amd64 Packages [1230 kB]
=> # Get:14 http://archive.ubuntu.com/ubuntu jammy-updates/
=> # restricted amd64 Packages [863 kB]
=> # Get:15 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1087 kB]
```

## Custom Docker Image Created

```
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
E:\temp\Docker>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
custom-docker-img  latest   1a24ed6889bf   About a minute ago  276MB
my-morning-spring-app  latest   ed1ceba15f35   3 hours ago     319MB
awlapp/my-morning-spring-app  latest   b3a30103996f   8 hours ago     319MB
<none>        <none>    2c73761fcc69   8 hours ago     319MB
ubuntu        latest   5a81c4b8502e   4 weeks ago     77.8MB
docker/welcome-to-docker  latest   912b66cfd46e   5 weeks ago     13.4MB
hello-world   latest   9c7a54a9a43c   2 months ago    13.3kB

E:\temp\Docker>
```