# **DOCKER COMMANDS**

#### docker –version

**Definition**: Displays the installed Docker version.

Example: docker -version

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker --version Docker version 27.3.1, build ce12230
```

### docker images

**Definition**: Lists all available images on your system.

**Example**: docker images

```
| 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
     -user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker images
REPOSITORY
                       IMAGE ID
             TAG
                                       CREATED
                                                             SIZE
frontend
             v1
                       17c1c5615fb5
                                                             13.3MB
                                       9 seconds ago
                       b3b56d1f0d23
                                       31 seconds ago
                                                             141MB
backend
             v1
nysql
             v1
                       a078aeac8dbb
                                       About a minute ago
                                                             590MB
```

## . docker rmi <image\_id>

**Definition**: Removes a Docker image by its ID.

Example: docker rmi 17c1c5615fb5

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker rmi 17c1c5615fb5
Untagged: frontend:v1
Deleted: sha256:17c1c5615fb5706b5de35965a72c2dabeaa590fa976fcc59a498b2d6a64fd5f6
```

#### docker ps

**Definition**: Lists all running containers.

Example: docker ps

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

274781fd0088 mysql:v1 "docker-entrypoint.s..." About a minute ago Up About a minute 3306/tcp, 33060/tcp mysql
```

## docker ps –a

**Definition**: Lists all containers, including stopped ones.

**Example**: docker ps –a

### docker run <image\_name>

**Definition**: Creates and starts a new container from a specified image.

Example: docker run mysql

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker run mysql

Unable to find image 'mysql:latest' locally

latest: Pulling from library/mysql

eba3c26198b7: Already exists

97f7c8c33abe: Pull complete

a23d877fa04: Pull complete

a143609ddd2d: Pull complete

60880e4b3737: Pull complete

c0880e4b3737: Pull complete

6575f6d9b17a: Pull complete

607f86c00053: Pull complete

607f86c00053: Pull complete

dof6caa5febe: Pull complete

Digest: sha256:fd8dlb4e287c49ele35eb5al03f337111947662130eb8a3e6c3e823813f47f7d

Status: Downloaded newer image for mysql:latest

2024-10-23 10:02:33+00:00 [Note] [Entrypoint]: Entrypoint script for MysQL Server 9.1.0-1.el9 started.

2024-10-23 10:02:334+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'

2024-10-23 10:02:34+00:00 [Note] [Entrypoint]: Entrypoint script for MysQL Server 9.1.0-1.el9 started.

2024-10-23 10:02:334+00:00 [Note] [Entrypoint]: Entrypoint script for MysQL Server 9.1.0-1.el9 started.

2024-10-23 10:02:334+00:00 [Note] [Entrypoint]: Database is uninitialized and password option is not specified You need to specify one of the following as an environment variable:

- MYSQL ROOT PASSWORD

- MYSQL RANDOM_ROOT_PASSWORD
```

## 7. docker run –it <image\_name>

**Definition**: Starts an interactive container session.

Example: docker run -it mysql bash

```
4.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
     -user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker run -it mysql bash
bash-5.1# ls
afs boot docker-entrypoint-initdb.d home lib64 mnt proc run srv tmp
bin dev etc lib media opt root sbin sys usr
                                                                                     var
                                                                               tmp
bash-5.1# cd home/
bash-5.1# ls
bash-5.1# touch hello.txt
bash-5.1# ls
hello.txt
bash-5.1# echo "Hi, I'm Mahalakshmi" > hello.txt
bash-5.1# ls
hello.txt
bash-5.1# cat hello.txt
Hi, I'm Mahalakshmi
bash-5.1#
```

## docker start < container id>

**Definition**: Starts an existing stopped container

Example: docker start bbae17e50018

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1/backend ]$ docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

bbae17e50018 backend:v1 "docker-entrypoint.s..." 10 seconds ago Exited (1) 6 seconds ago backen

e68dd0374f5e mysql:v1 "docker-entrypoint.s..." 38 seconds ago Up 37 seconds 3306/tcp, 33060/tcp mysql

54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1/backend ]$ docker start bbae17e50018
```

## docker stop <container\_id>

**Definition**: Stops a running container.

Example: docker stop abc123

#### 10. docker restart <container\_id>

**Definition**: Restarts a running or stopped container

**Example**: docker restart e68dd0374f5e

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ec2-user@ip-172-31-18-15 ~/expense-docker-1/backend ]$ docker restart e68dd0374f5e e68dd0374f5e

54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ec2-user@ip-172-31-18-15 ~/expense-docker-1/backend ]$ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES e68dd0374f5e mysql:v1 "docker-entrypoint.s..." 2 minutes ago Up 5 seconds 3306/tcp, 33060/tcp mysql
```

### 11. docker rm <container\_id>

**Definition**: Removes a stopped container. **Example**: docker rm e68dd0374f5e

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1/backend ]$ docker rm e68dd0374f5e e68dd0374f5e
```

#### 12. docker exec -it <container\_id> bash

**Definition**: Executes a command in a running container

**Example**: docker exec -it f0ca432f6e72 bash

```
172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
        NER ID IMAGE COMMAND CREATED
                               COMMAND
"docker-entrypoint.s..."
                 IMAGE
mysql:v1
                                                                                         STATUS
                                                                                                                                           NAMES
                                                                                                             3306/tcp, 33060/tcp
f0ca432f6e72
                                                                  18 seconds ago
                                                                                        Up 17 seconds
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker exec -it f0ca432f6e72 bash [expense@f0ca432f6e72 /]$ ls
 fs boot docker-entrypoint-initdb.d etc
in dev entrypoint.sh home
expense@f0ca432f6e72 /]$
                                                                   media opt
                                                                                    root
                                                                                           sbin sys usr
                                                  home lib64 mnt
                                                                                    run
                                                                                            srv
```

## 13. docker logs <container\_id>

**Definition**: Displays the logs of a container.

Example: docker logs f0ca432f6e72

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker ps

COMTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

f0ca432f6672 mysql:v1 "docker-entrypoint.s.." 3 minutes ago Up 3 minutes 3306/tcp, 33060/tcp mysql

54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker logs f0ca432f6672

2024-10-23 10:23:15+00:00 [Note] [Entrypoint]: Entrypoint script for MysQL Server 8.0.40-1.el9 started.

2024-10-23 10:23:15.702250Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be remove d in a future release. Please use SET GLOBAL host cache size=0 instead.

2024-10-23T10:23:15.702543Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 8.0.40) initializing of server in progress as process 41

2024-10-23T10:23:15.704695Z 0 [Warning] [MY-010122] [Server] One can only use the --user switch if running as root 2024-10-23T10:23:15.712675Z 1 [System] [MY-013576] [InnoDB InnoDB initialization has started.

2024-10-23T10:23:15.12675Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.

2024-10-23T10:23:15.23934Z 6 [Warning] [MY-010453] [Server] root@localhost is created with an empty password ! Please consider switching off the --initialize-insecure option.
```

### 14. docker inspect <container\_id>

**Definition**: Provides detailed information about a container.

**Example**: docker inspect f0ca432f6e72

#### 15. docker build -t <image\_name><Dockerfile\_path>

**Definition**: Builds an image from a Dockerfile.

Example: docker build -t mysql.

## 16. docker tag <image\_id> repository:tag

**Definition**: Tags an image for a repository

Example: docker tag mysql:v1 mahalakshmi2997/mysql:v1

```
4.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker
  ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker tag mysql:v1 mahalakshmi2997/mysql:v1
54.197.187.6 \mid 172.31.18.15 \mid t3.micro \mid https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ] $$ docker images
REPOSTTORY
                            TAG
                                        IMAGE ID
                                                          CREATED
                                                                              STZE
                                       17c1c5615fb5
frontend
                            v1
                                                          38 minutes ago
                                                                              13.3MB
                                                                              141MB
backend
                            v1
                                       b3b56d1f0d23
                                                          38 minutes ago
mysql
                            v1
                                        a078aeac8dbb
                                                          39 minutes ago
                                                                              590MB
mahalakshmi2997/mysql
                                                          39 minutes ago
                                        a078aeac8dbb
                                                                              590MB
                            v1
```

## 17. docker push repository:tag

**Definition**: Pushes an image to a Docker registry. **Example**: docker push mahalakshmi2997/mysql:v1

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
      user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker push mahalakshmi2997/mysql:v1
The push refers to repository [docker.io/mahalakshmi2997/mysql]
71288717bfea: Pushed
c0682c52a333: Pushed
f8054f741e26: Layer already exists
7f837308dabb: Layer already exists
2e56af44b89a: Layer already exists
b6980a966213: Layer already exists
85a9467612ad: Layer already exists
151398595284: Layer already exists
96043e2a1ac2: Layer already exists
5fbba87e22de: Layer already exists
a2f4ab7f7e3c: Layer already exists
Odcb4cba47bb: Layer already exists
664144bd1f24: Layer already exists
v1: digest: sha256:983e800c5a6849ca452d7829c725ba6ed02c1822bf7ed8247683000fbbf1ede3 size: 3033
```

#### 18. docker pull repository:tag

**Definition**: Pulls an image from a Docker registry **Example**: docker pull mahalakshmi2997/mysql:v1

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1/mysql ]$ docker pull mahalakshmi2997/mysql:v1 v1: Pulling from mahalakshmi2997/mysql
Digest: sha256:983e800c5a6849ca452d7829c725ba6ed02c1822bf7ed8247683000fbbf1ede3
Status: Image is up to date for mahalakshmi2997/mysql:v1
docker.io/mahalakshmi2997/mysql:v1
```

#### docker network Is

**Definition**: Lists all Docker networks.

Example: docker network Is

```
172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
     -user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker network ls
NETWORK ID
               NAME
                         DRIVER
                                    SCOPE
9f3b6b2babff
               bridge
                         bridge
                                    local
d0277db951af
               host
                         host
                                    local
c467c318920f
                         nul1
                                    local
               none
```

## 20. docker network create < network name >

**Definition**: Creates a new Docker network. **Example**: docker network create Lakshmi

```
4.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
    :2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker network create lakshmi
86f3f02d81c29eeb63400a365038b94b209edc564d97b23c9b331de7380f7c33
54.197.187.6 \mid 172.31.18.15 \mid t3.micro \mid https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker network ls
NETWORK ID
                 NAME
                             DRIVER
                                         SCOPE
9f3b6b2babff
                 bridge
                             bridge
                                         local
d0277db951af
                 host
                             host
                                         local
86f3f02d81c2
                 lakshmi
                             bridge
                                          local
c467c318920f
                 none
                             null
                                         local
```

### 21. docker network rm <network\_name>

**Definition**: Removes an existing Docker network.

Example: docker network rm lakshmi

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker network rm lakshmi
lakshmi
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
[ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker network ls
                  NAME
                              DRIVER
                                           SCOPE
9f3b6b2babff
                  bridge
                              bridge
                                           local
d0277db951af
                              host
                  host
                                           local
c467c318920f
                  none
                              null
                                           local
```

#### 22. docker volume Is

**Definition**: Lists all Docker volumes.

Example: docker volume Is

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
[ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker volume ls
DRIVER
          VOLUME NAME
          4 f 1361 a f 90060216 b 4 d d 4267 d 4 b d d 01 c 7 e 95 a 5 e b 3 a b f 334 c f 7 b f 2 a 58 c e c 19520
local
local
          6d4b13daaf64e3e0b4e70b512c726e30feba1bf12cf99cb648a07440d17196de
local
          7 cef 497 c85 b75 bc77591 b8d5d79 c9de 29e579f49d96cb89a495f0 da 243 eed470
          8d441e1922fb4c99a93055de7ce8a1b31055da9952a542d5421b953530e26d0d
local
          local
          ac450fe2f546556ed5220bc76afc001213a4e76e4448f108ec681a55a727cb57
local
local
         b6c675222febf7159af4213cfe601f33778eb449ae4829cf8eff33462a461e7f
         b97ad97010012b76f5f5730507d0927db32c67cc1fe195e411002a385ee6932b
local
         bd2bdff1ee540803969caa255c9a42871c088ca09da503156b3aa3ed1459161d
local
          {\tt c03519fa1111696503913d555f7d90d5b860dca193bf188001ced8698ccd25df}
local
         \tt d8101964d4fb279e520a540581560b2a9b3cca1c5530bb78947a3eee9d622f92
local
```

### 23. docker volume create <volume\_name>

**Definition**: Creates a new Docker volume **Example**: docker volume create lakshmi

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
                -user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker volume create lakshmi
lakshmi
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker volume ls
DRIVER
                            VOLUME NAME
                            4 \\ f1361 \\ af 90060216 \\ b4dd4267 \\ d4bdd01 \\ c7e95 \\ a5eb3 \\ abf334 \\ cf7bf2 \\ a58 \\ cec19520
local
local
                            6 d 4 b 13 d a a f 64 e 3 e 0 b 4 e 70 b 512 c 726 e 30 f e b a 1 b f 12 c f 99 c b 648 a 07440 d 17196 d e 100 f e 
local
                             7cef497c85b75bc77591b8d5d79c9de29e579f49d96cb89a495f0da243eed470
                            8d441e1922fb4c99a93055de7ce8a1b31055da9952a542d5421b953530e26d0d
local
                            local
                            ac450fe2f546556ed5220bc76afc001213a4e76e4448f108ec681a55a727cb57
local
local
                            b6c675222febf7159af4213cfe601f33778eb449ae4829cf8eff33462a461e7f
                            b97ad97010012b76f5f5730507d0927db32c67cc1fe195e411002a385ee6932b
local
                           bd2bdff1ee540803969caa255c9a42871c088ca09da503156b3aa3ed1459161d\\
local
                            c03519fa1111696503913d555f7d90d5b860dca193bf188001ced8698ccd25df
local
                            d8101964d4fb279e520a540581560b2a9b3cca1c5530bb78947a3eee9d622f92
local
local
                            lakshmi
```

## 24. docker volume rm <volume\_name>

**Definition**: Removes a Docker volume. **Example**: docker volume rm lakshmi

```
.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
     user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker volume rm lakshmi
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
  c2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker volume ls
DRIVER
        VOLUME NAME
        4f1361af90060216b4dd4267d4bdd01c7e95a5eb3abf334cf7bf2a58cec19520
local
        6d4b13daaf64e3e0b4e70b512c726e30feba1bf12cf99cb648a07440d17196de
        7cef497c85b75bc77591b8d5d79c9de29e579f49d96cb89a495f0da243eed470
local
        8d441e1922fb4c99a93055de7ce8a1b31055da9952a542d5421b953530e26d0d
local
        local
local
        ac450fe2f546556ed5220bc76afc001213a4e76e4448f108ec681a55a727cb57
        b6c675222febf7159af4213cfe601f33778eb449ae4829cf8eff33462a461e7f
local
        local
        bd2bdff1ee540803969caa255c9a42871c088ca09da503156b3aa3ed1459161d
local
local
        c03519fa1111696503913d555f7d90d5b860dca193bf188001ced8698ccd25df
ocal
        d8101964d4fb279e520a540581560b2a9b3cca1c5530bb78947a3eee9d622f92
```

## 25. docker compose up -d

**Definition**: Starts services defined in a docker-compose.yml file.

**Example**: docker compose up -d

## 26. docker compose down

**Definition**: Stops and removes services created by Docker Compose.

Example: docker compose down

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker compose down

WARN[0000] /home/ec2-user/expense-docker-1/docker-compose.yaml: the attribute 'version' is obsolete, it will be ignored, ple
ase remove it to avoid potential confusion

[**] Running 4/4

** Container frontend Removed 0.6s

** Container backend Removed 0.0s

** Container mysql Removed 1.9s

** Network expense-docker-1_default Removed 0.4s
```

## 27. docker compose ps

**Definition**: Lists the status of Docker Compose services.

Example: docker compose ps

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git

[ ec2-user@ip-172-31-18-15 -/expense-docker-1 ]$ docker compose ps

WARN[0000] /home/ec2-user/expense-docker-1/docker-compose.yaml: the attribute `version` is obsolete, it will be ignored, ple
ase remove it to avoid potential confusion

NAME IMAGE COMMAND SERVICE CREATED STATUS PORTS

backend mahalakshmi2997/backend:v1 "docker-entrypoint.s.." backend 7 seconds ago Up 5 seconds 8080-8081/tcp

frontend mahalakshmi2997/frontend:v1 "/docker-entrypoint...." frontend 6 seconds ago Up 5 seconds 0.0.0.0:80->80/tcp, :::80->80/tcp

mahalakshmi2997/mysql:v1 "docker-entrypoint.s..." mysql 7 seconds ago Up 6 seconds 3306/tcp, 33060/tcp
```

## 28. docker commit <container\_id> <new\_image\_name>

**Definition**: Creates a new image from a container's changes. **Example**: docker commit 346c1d723767 frontend1:v2

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker commit 346c1d723767 frontend1:v2
sha256:6f3d409c101dbd0533b75d0354919a6a71ef2da864760a8dc64d16a30a1f3b83
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]$ docker images
REPOSTTORY
                                 TAG
                                              TMAGE TD
                                                                 CREATED
                                                                                       STZE
                                              6f3d409c101d
frontend1
                                  v2
                                                                 5 seconds ago
                                                                                       193MB
                                              17c1c5615fb5
                                                                 53 minutes ago
frontend
                                  v1
                                                                                       13.3MB
                                                                 53 minutes ago
backend
                                  v1
                                              b3b56d1f0d23
                                                                                       141MB
mahalakshmi2997/mysql
                                              a078aeac8dbb
                                                                 54 minutes ago
                                                                                       590MB
mysql
                                              a078aeac8dbb
                                                                 54 minutes ago
                                                                                       590MB
mahalakshmi2997/backend
                                              ef979bfd426a
                                                                  2 days ago
                                                                                       150MB
mahalakshmi2997/frontend
                                              ff06ef081852
                                                                 5 days ago
                                                                                       193MB
```

#### 29. docker rename <old\_name> <new\_name>

**Definition**: Renames an existing container **Example**: docker rename frontend1 web

# 30. docker login

**Definition**: Logs into a Docker registry (Docker Hub or private).

Example: docker login

```
54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ec2-user@ip-172-31-18-15 ~/expense-docker-1]$ docker login Authenticating with existing credentials... WARNING! Your password will be stored unencrypted in /home/ec2-user/.docker/config.json. Configure a credential helper to remove this warning. See https://docs.docker.com/engine/reference/commandline/login/#credential-stores
Login Succeeded
```

### 31. docker logout

**Definition**: Logs out from a Docker registry.

Example: docker logout

54.197.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git [ ec2-user@ip-172-31-18-15 ~/expense-docker-1 ]\$ docker logout Removing login credentials for https://index.docker.io/v1/

## 32. docker history <image\_name>

**Definition**: Displays the history of an image's layers.

Example: docker history mysql

```
7.187.6 | 172.31.18.15 | t3.micro | https://github.com/lakshmimungara/expense-docker-1.git
ruser@ip-172-31-18-15 ~/expense-docker-1 ]$ docker history mysql:vl
                        CREATED
58 minutes ago
                                                      CREATED BY
USER expense
TMAGE
a078aeac8dbb
                                                                                                                                                          buildkit.dockerfile.v0
                                                                                                                                         0B
                         58 minutes ago
58 minutes ago
58 minutes ago
                                                      ADD scripts/*.sql /docker-entrypoint-initdb..
RUN /bin/sh -c groupadd expense && useradd .
ENV MYSQL_ROOT_PASSWORD=ExpenseApp@1
                                                                                                                                          326B
                                                                                                                                                           buildkit.dockerfile.v0
                                                                                                                                          3.65kB
<missing>
                                                                                                                                                          buildkit.dockerfile.v0
                                                                                                                                                           buildkit.dockerfile.v0
(missing>
<missing>
                        8 days ago
8 days ago
                                                      CMD ["mysqld"]
EXPOSE map[3306/tcp:{} 33060/tcp:{}]
                                                                                                                                         0в
                                                                                                                                                          buildkit.dockerfile.v0
buildkit.dockerfile.v0
(missing>
                                                                                                                                         0B
                                                      ENTRYPOINT ["docker-entrypoint.sh"]
RUN /bin/sh -c ln -s usr/local/bin/docker-en...
COPY docker-entrypoint.sh /usr/local/bin/ # ...
VOLUME [/var/lib/mysql]
RUN /bin/sh -c set -eux; microdnf install -...
                                                                                                                                                          buildkit.dockerfile.v0
buildkit.dockerfile.v0
<missing>
                         8 days ago
                                                                                                                                         0в
<missing>
                        8 days ago
8 days ago
                                                                                                                                          34B
missing>
                                                                                                                                          13.8kB
                                                                                                                                                           buildkit.dockerfile.v0
                        8 days ago
8 days ago
<missing>
                                                                                                                                         0B
                                                                                                                                                          buildkit.dockerfile.v0
 missing>
                                                                                                                                          312MB
                                                                                                                                                           buildkit.dockerfile.v0
                                                      RUN /bin/sh -c set -eux; microdni install ...

ENV MYSQL SHELL VERSION=8.0.40-1.el9

RUN /bin/sh -c set -eu; { echo '[mysql-to...

RUN /bin/sh -c set -eux; microdnf install -...

RUN /bin/sh -c set -eu; { echo '[mysql8.0...
<missing>
                        8 days ago
8 days ago
                                                                                                                                         0B
215B
                                                                                                                                                          buildkit.dockerfile.v0
buildkit.dockerfile.v0
(missing>
<missing>
                                                                                                                                                          buildkit.dockerfile.v0
buildkit.dockerfile.v0
                         8 days ago
                                                                                                                                          146MB
<missing>
                         8 days ago
                                                                                                                                         225B
                                                      ENV MYSQL_VERSION=8.0.40-1.el9
ENV MYSQL_MAJOR=8.0
(missing>
                         8 days ago
                                                                                                                                                           buildkit.dockerfile.v0
                         8 days ago
8 days ago
<missing>
                                                                                                                                         0B
                                                                                                                                                          buildkit.dockerfile.v0
                                                      RUN /bin/sh -c set -eux;
RUN /bin/sh -c set -eux;
RUN /bin/sh -c set -eux;
                                                                                                                                          3.17kB
                                                                                                                                                           buildkit.dockerfile.v0
 missing>
                                                                                                   key='BCA4 3417 C3B...
<missing><missing>
                         8 days ago
8 days ago
                                                                                                  microdnf install - arch="$(uname -m)"
                                                                                                                                                          buildkit.dockerfile.v0
buildkit.dockerfile.v0
                                                                                                                                          16.5MB
                                                                                                                                          2.36MB
                         8 days ago
                                                      ENV GOSU_VERSION=1.17
RUN /bin/sh -c set -e
                                                                                                                                                          buildkit.dockerfile.v0
buildkit.dockerfile.v0
<missing>
                         8 days ago
<missing>
                                                                                                                                          2.77kB
                                                                                       -eux; groupadd --system
                         4 weeks ago
                                                      CMD ["/bin/bash"]
ADD oraclelinux-9-slim-amd64-rootfs.tar.xz /
                                                                                                                                                           buildkit.dockerfile.v0
                                                                                                                                          113MB
                                                                                                                                                          buildkit.dockerfile.v0
 missing>
```