

Docker:

```
[ec2-user@ip-172-31-42-96 ~]$ docker version
Client:
Version:      25.0.3
API version:  1.44
Go version:   go1.20.12
Git commit:   4debf41
Built:        Mon Feb 12 00:00:00 2024
OS/Arch:     linux/amd64
Context:      default

Server:
Engine:
Version:      25.0.3
API version:  1.44 (minimum version 1.24)
Go version:   go1.20.12
Git commit:   f417435
Built:        Mon Feb 12 00:00:00 2024
OS/Arch:     linux/amd64
Experimental: false
containers:
Version:      1.7.11
GitCommit:    64b8a811b07ba6288238eefc14d898ee0b5b99ba
runc:
Version:      1.1.11
GitCommit:    4bccb38cc9cf198d52bebf2b3a90cd14e7af8c06
docker-init:
Version:      0.19.0
GitCommit:    de40ad0
```

Docker-pull images:

```
[ec2-user@ip-172-31-42-96 ~]$ docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
Digest: sha256:67682bda769fae1ccf5183192b8daf37b64cae99c6c3302650f6f8bf5f0f95df
Status: Image is up to date for nginx:latest
docker.io/library/nginx:latest
[ec2-user@ip-172-31-42-96 ~]$ docker image ls
REPOSITORY   TAG       IMAGE ID       CREATED        SIZE
httpd        latest   c0c20df5e7be   10 days ago    148MB
nginx        latest   fffffc90d343   3 weeks ago    188MB
jenkins      2.60.3   cd14cecfdb3a   5 years ago    690MB
[ec2-user@ip-172-31-42-96 ~]$
```

Docker-container:

```
[ec2-user@ip-172-31-42-96 ~]$ docker run -d --name nginx_container --rm -v /path/on/host:/usr/share/nginx/html nginx
fd3c27789e03432ffee76eeae00383bb81ef2745f3d7f38a8dcff10e3b13f4e1
```

```
[ec2-user@ip-172-31-42-96 ~]$ docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
fd3c27789e03   nginx    "/docker-entrypoint..." 59 seconds ago Up 58 seconds 80/tcp    nginx_container
[ec2-user@ip-172-31-42-96 ~]$ docker ps -a
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
fd3c27789e03   nginx    "/docker-entrypoint..." 2 minutes ago Up 2 minutes 80/tcp    nginx_container
e4d2f743b218   jenkins:2.60.3 "/bin/tini -- /usr/l..." 2 days ago Exited (143) 2 days ago jenkins1
9db14978689b   httpd    "httpd-foreground"       2 days ago Exited (0) 2 days ago bike
[ec2-user@ip-172-31-42-96 ~]$
```

Docker-volume

```
[ec2-user@ip-172-31-42-96 ~]$ docker volume ls
DRIVER   VOLUME NAME
local    6b60e72a9d6480b00054691ac7585412e1f36164fe7e586d55ec7555e0e9a651
[ec2-user@ip-172-31-42-96 ~]$ docker inspect 6b60e72a9d6480b00054691ac7585412e1f36164fe7e586d55ec7555e0e9a651
[
  {
    "CreatedAt": "2024-07-11T04:28:48Z",
    "Driver": "local",
    "Labels": {
      "com.docker.volume.anonymous": ""
    },
    "Mountpoint": "/var/lib/docker/volumes/6b60e72a9d6480b00054691ac7585412e1f36164fe7e586d55ec7555e0e9a651/_data",
    "Name": "6b60e72a9d6480b00054691ac7585412e1f36164fe7e586d55ec7555e0e9a651",
    "Options": null,
    "Scope": "local"
  }
]
```

Docker-network:

```
[ec2-user@ip-172-31-42-96 ~]$ docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
b42177481af3        bridge              bridge              local
cb1406dfe2bd        host                host                local
5ad65814ddf9        none                null                local
[ec2-user@ip-172-31-42-96 ~]$ docker network create my_network
68a2036fe8b63d2c7023ba85f21a67ba250fc35d806fd7cfff0d0029e629ebc5e
[ec2-user@ip-172-31-42-96 ~]$ docker network ls
NETWORK ID          NAME                DRIVER              SCOPE
b42177481af3        bridge              bridge              local
cb1406dfe2bd        host                host                local
68a2036fe8b6        my_network          bridge              local
5ad65814ddf9        none                null                local
[ec2-user@ip-172-31-42-96 ~]$ docker inspect my_network
[
  {
    "Name": "my_network",
    "Id": "68a2036fe8b63d2c7023ba85f21a67ba250fc35d806fd7cfff0d0029e629ebc5e",
    "Created": "2024-07-14T03:03:53.207528703Z",
    "Scope": "local",
    "Driver": "bridge",
    "EnableIPv6": false,
    "IPAM": {
      "Driver": "default",
      "Options": {},
      "Config": [
        {
          "Subnet": "172.18.0.0/16",
          "Gateway": "172.18.0.1"
        }
      ]
    },
    "Internal": false,
    "Attachable": false,
    "Ingress": false,
    "ConfigFrom": {
      "Network": ""
    },
    "ConfigOnly": false,
    "Containers": {},
    "Options": {},
    "Labels": {}
  }
]
```

Docker-prune

```
[ec2-user@ip-172-31-42-96 ~]$ docker system prune
WARNING! This will remove:
- all stopped containers
- all networks not used by at least one container
- all dangling images
- unused build cache

Are you sure you want to continue? [y/N] y
Deleted Containers:
e4627f43b21879b812bf9f5747bb650245efe94369034ac6f594ef28099ce1b
9db14978689bf719577195f33baab75dcef6fe4d64d5fa4756bc13a59e9b16e5

Deleted Networks:
my_network

Total reclaimed space: 26.31MB
[ec2-user@ip-172-31-42-96 ~]$
```