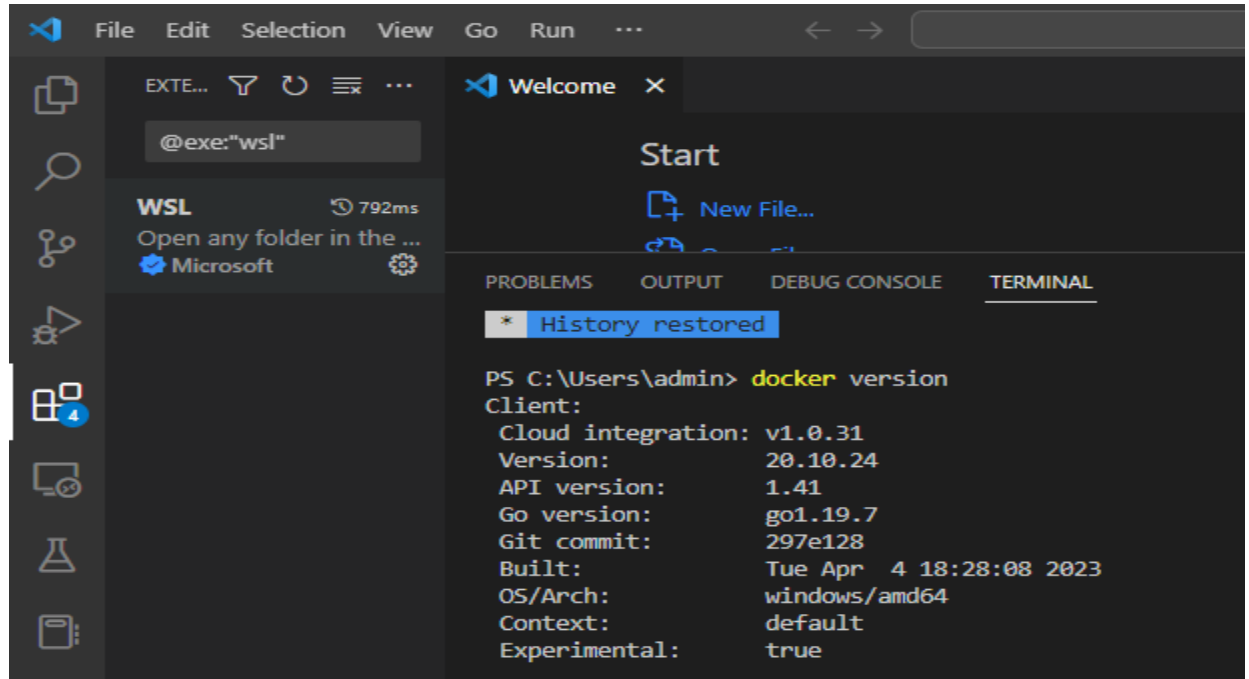


# DOCKER COMMANDS

## 1. Installation of Docker Desktop and checking client and server Version

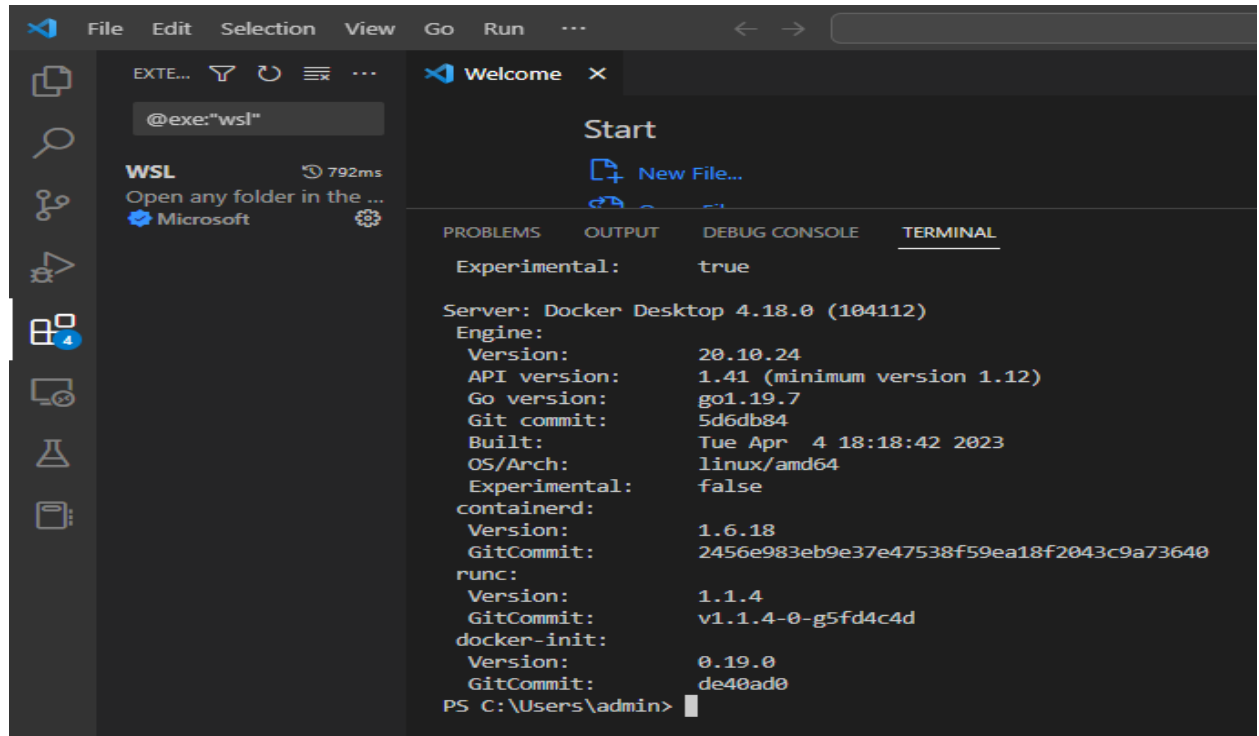
### a. Client



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of the `docker version` command, which shows the client version and various configuration details.

```
PS C:\Users\admin> docker version
Client:
 Cloud integration: v1.0.31
 Version:          20.10.24
 API version:      1.41
 Go version:       go1.19.7
 Git commit:       297e128
 Built:            Tue Apr  4 18:28:08 2023
 OS/Arch:          windows/amd64
 Context:          default
 Experimental:     true
```

### b. Server



The screenshot shows the Visual Studio Code interface with a terminal window open. The terminal displays the output of the `docker info` command, which shows the server version and various configuration details.

```
Experimental: true

Server: Docker Desktop 4.18.0 (104112)
Engine:
 Version:          20.10.24
 API version:      1.41 (minimum version 1.12)
 Go version:       go1.19.7
 Git commit:       5d6db84
 Built:            Tue Apr  4 18:18:42 2023
 OS/Arch:          linux/amd64
 Experimental:     false
containerd:
 Version:          1.6.18
 GitCommit:       2456e983eb9e37e47538f59ea18f2043c9a73640
runc:
 Version:          1.1.4
 GitCommit:       v1.1.4-0-g5fd4c4d
docker-init:
 Version:          0.19.0
 GitCommit:       de40ad0
PS C:\Users\admin>
```

## 2. Docker search command

```
Run 'docker volume COMMAND --help' for more information on a command.
PS C:\Users\admin> docker ps
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
PS C:\Users\admin> docker serch MySQL
docker: 'serch' is not a docker command.
See 'docker --help'
PS C:\Users\admin> docker seArch MySQL
docker: 'seArch' is not a docker command.
See 'docker --help'
PS C:\Users\admin> docker search MySQL
NAME                                DESCRIPTION                                STARS     OFFICIAL   AUTOMATED
mysql                               MySQL is a widely used, open-source relation... 14054     [OK]
mariadb                             MariaDB Server is a high performing open sou... 5369     [OK]
phpmyadmin                         phpMyAdmin - A web interface for MySQL and M... 785      [OK]
percona                             Percona Server is a fork of the MySQL relati... 605      [OK]
bitnami/mysql                      Bitnami MySQL Docker Image                    83
databack/mysql-backup              Back up mysql databases to... anywhere!      82
linuxserver/mysql-workbench        MySQL open source fast, stable, multi-thread... 48
ubuntu/mysql                       MySQL open source fast, stable, multi-thread... 45
linuxserver/mysql                 A Mysql container, brought to you by LinuxSe... 38
circleci/mysql                    MySQL is a widely used, open-source relation... 29
google/mysql                      MySQL server for Google Compute Engine        23
rapidfort/mysql                   RapidFort optimized, hardened image for MySQL 14
bitnami/mysqld-exporter           Mysql configured for running Ilios            4
ilios/mysql                      Mysql configured for running Ilios            1
vitess/mysqlctld                  vitess/mysqlctld                             1
newrelic/mysql-plugin             New Relic Plugin for monitoring MySQL databa... 1
hashicorp/mysql-portworx-demo     0
bitnamicharts/mysql              0
mirantis/mysql                   0
docksal/mysql                    MySQL service images for Docksal - https://d... 0
rapidfort/mysql-official          RapidFort optimized, hardened image for MySQL 0
rapidfort/mysql8-ib               RapidFort optimized, hardened image for MySQL 0
eclipse/mysql                    Mysql 5.7, curl, rsync                       0
drud/mysql                       0
cing/mysql                       0
PS C:\Users\admin>
```

## 3. Docker Command to get container running in background

```
PS C:\Users\admin> docker ps --all
CONTAINER ID   IMAGE     COMMAND   CREATED   STATUS    PORTS     NAMES
PS C:\Users\admin>
```

## 4. Command to get list of network in cluster

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL
PS C:\Users\admin> docker network ls
NETWORK ID   NAME      DRIVER    SCOPE
7936c09f37b4 bridge    bridge    local
1674d47d4248 host      host      local
e027bc5600a4 none      null      local
PS C:\Users\admin>
```

