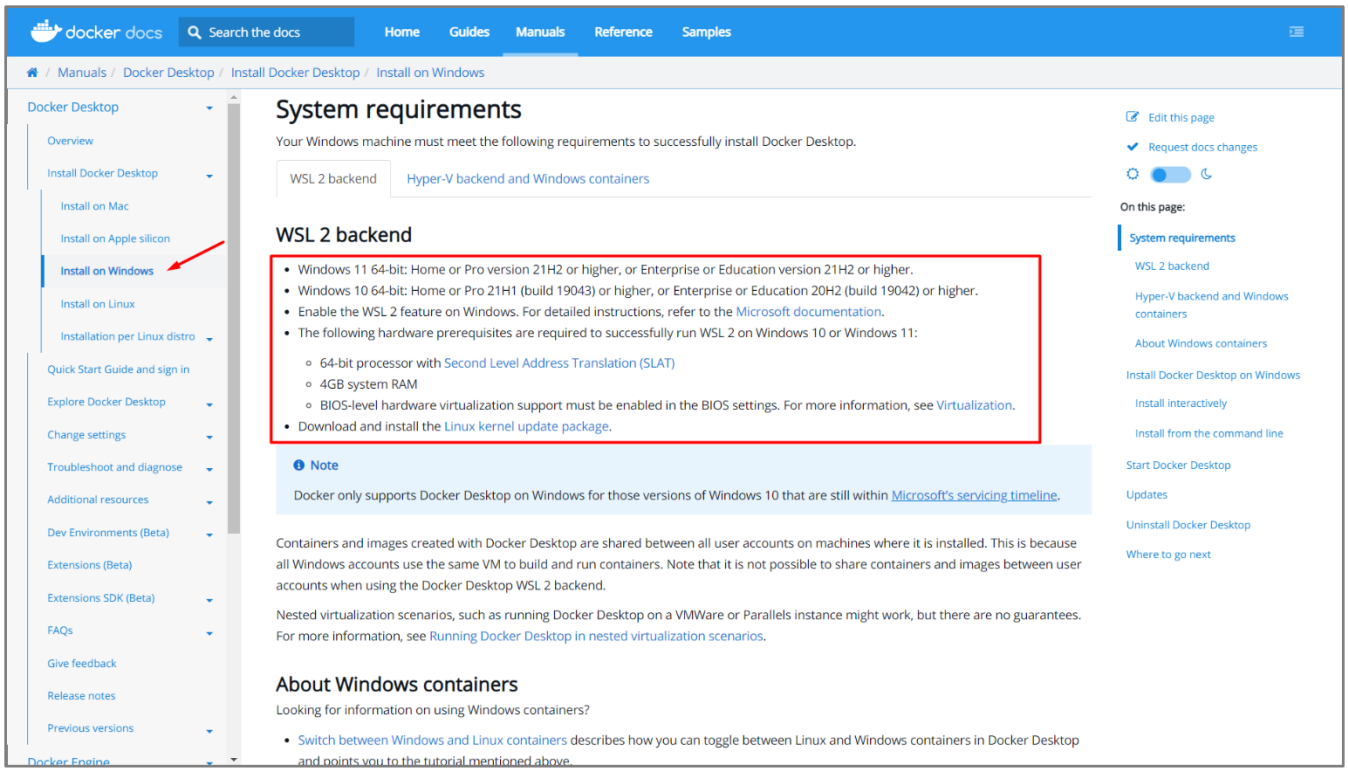
Docker Desktop Installation Guide

Download Docker Desktop on Windows

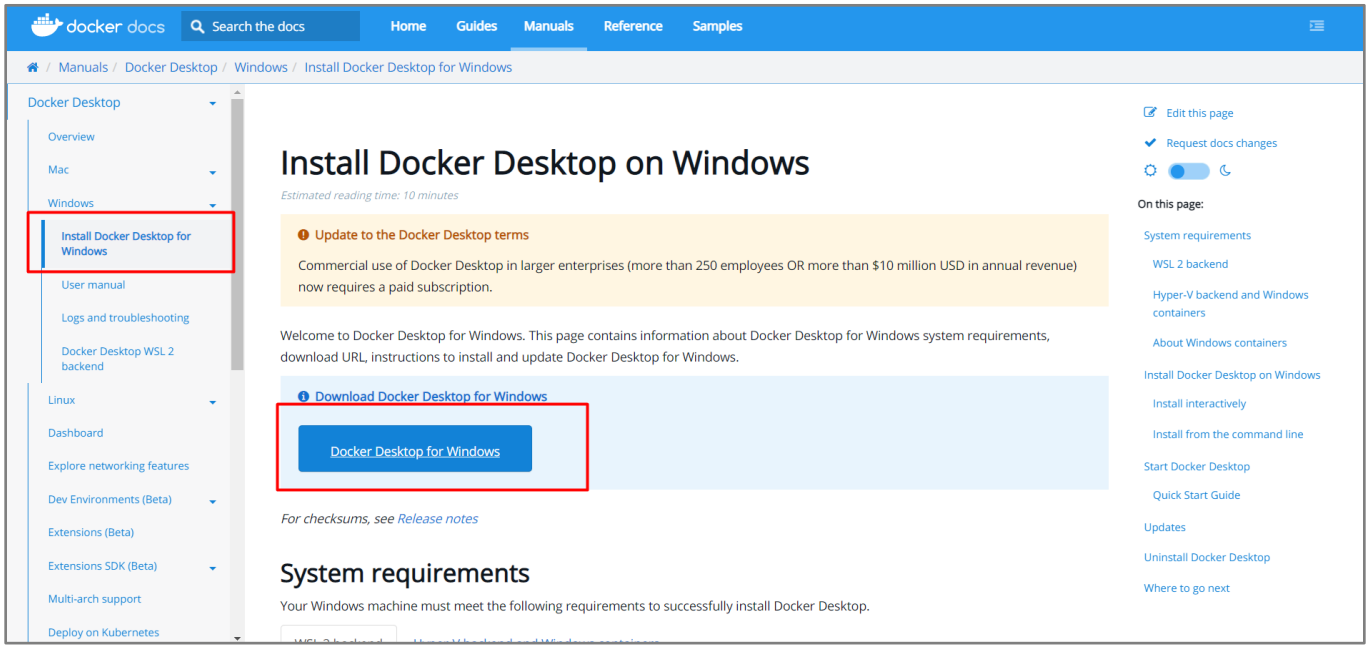
First, you will need to open the Docker documentation https://docs.docker.com/desktop/.

Choose **"Windows"** from the menu on the left side of the screen. Before installing make sure that your machine **matches the needed requirements** to use Docker Desktop.

For example, if you use Windows 10+ you could **directly** download and install Docker Desktop because the platform runs natively on Windows 10+:

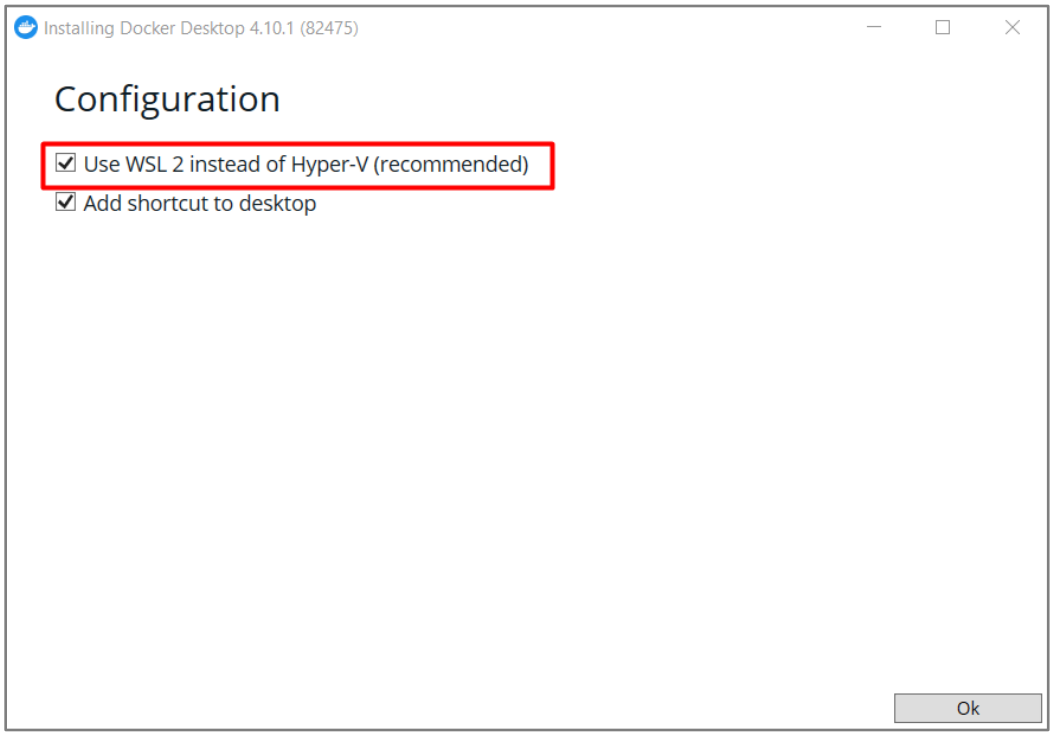


Download the **Docker Desktop Installer**:

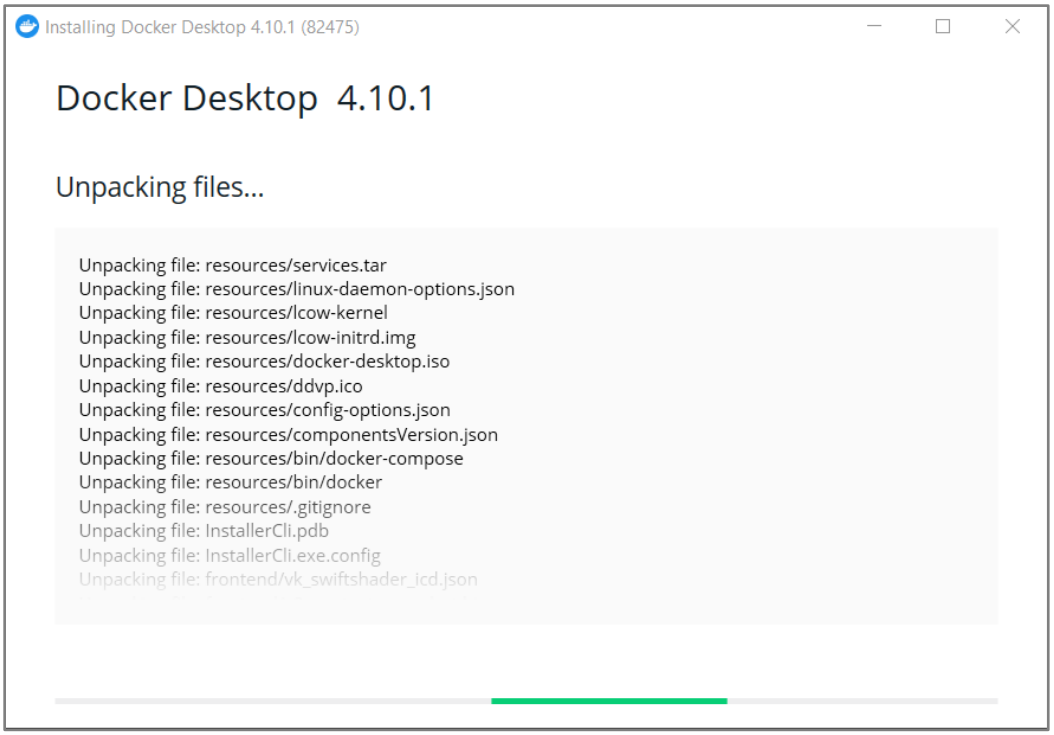


Double-click Docker Desktop Installer.exe to run it (for this example, Docker Desktop 4.10.1 will be installed; you do **NOT** need to download the same version of the software - it would be best to download the newest one).

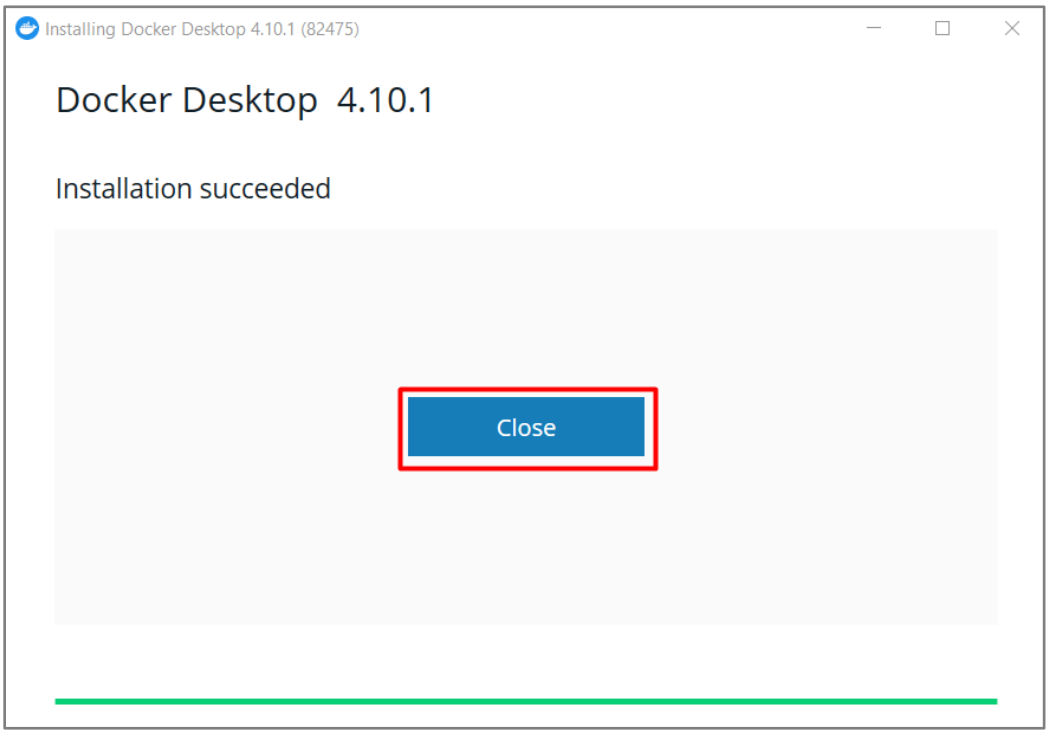
When prompted, ensure the **"Use WSL 2 instead of Hyper-V"** option on the Configuration page **is selected** or not depending on your choice of backend. If your system only supports one of the two options, you will **NOT** be able to select which backend to use:



The installation could take couple of minutes:

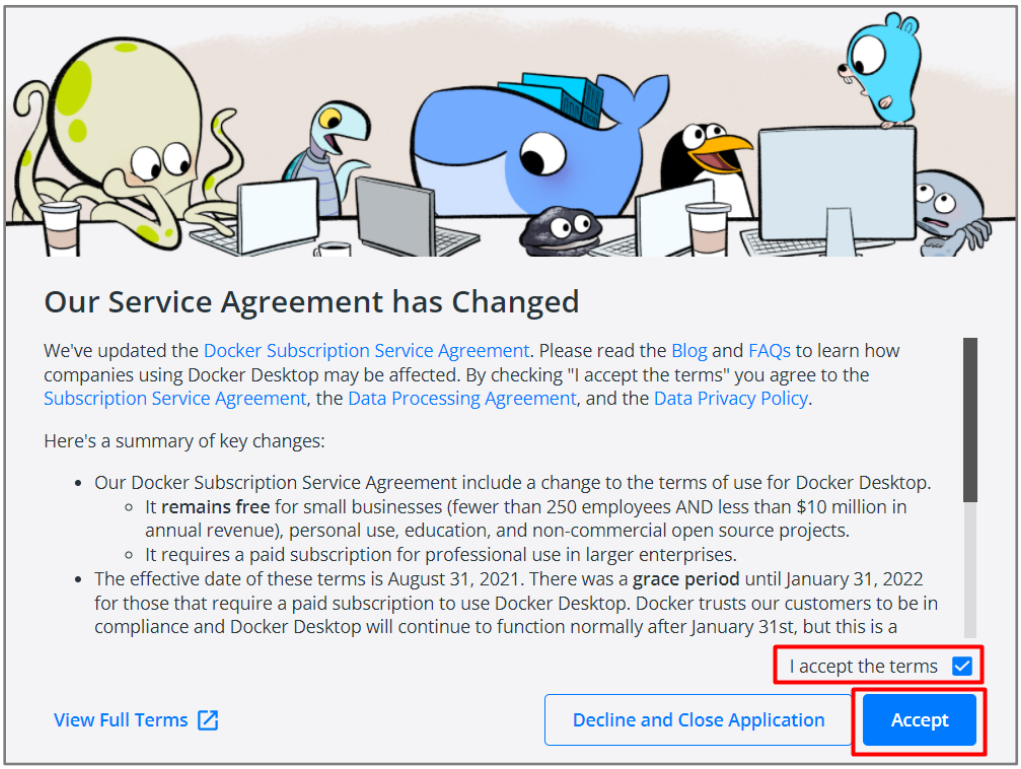


When the installation is successful, click **[Close]** to complete the installation process:

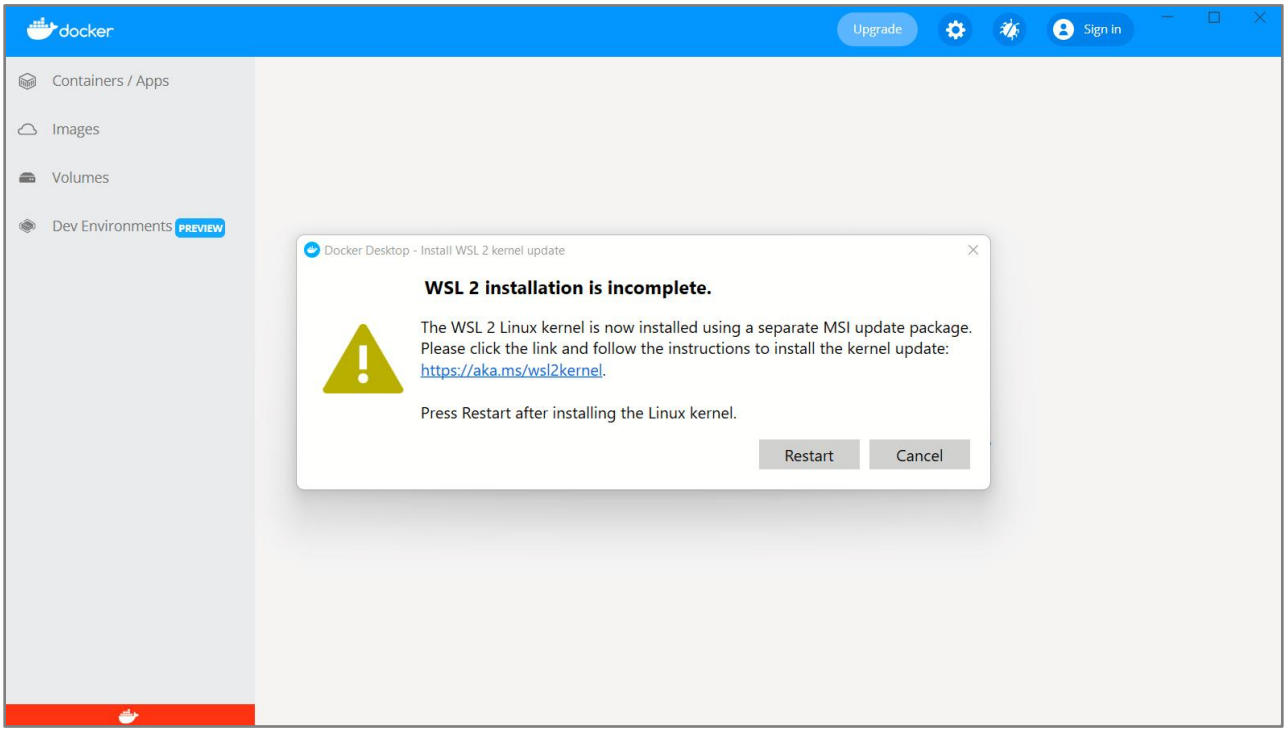


Docker Desktop does **NOT start automatically** after installation. To start Docker Desktop **double-click on the "Docker Desktop" icon**. First, it will display the **Docker Subscription Service**

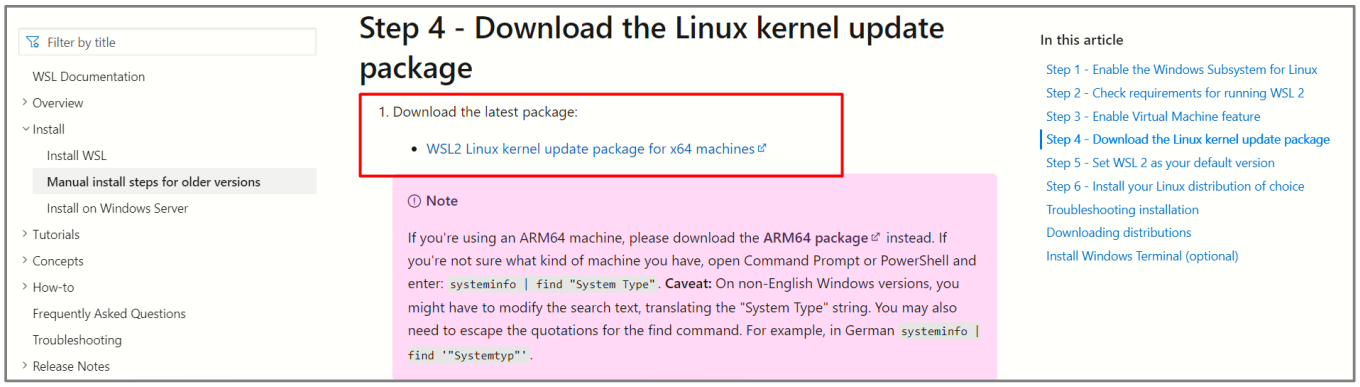
Agreement window. Read the terms and click the checkbox to indicate that you accept the updated terms and then click **Accept** to continue:



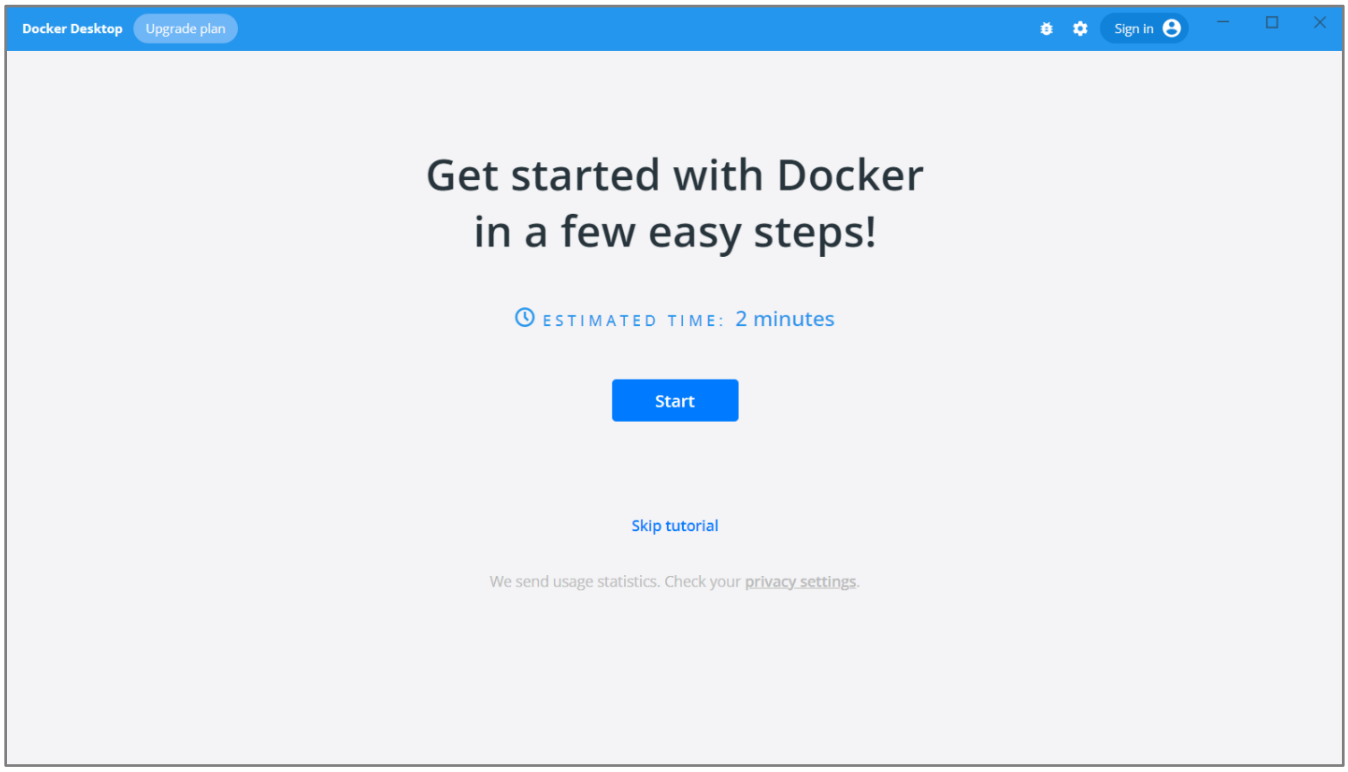
Docker Desktop starts after you accept the terms. You may see **the following pop-up message**:



If you do - **click on the link**, do **NOT close** the pop-up message, and install the **Subsystem for Linux update**:



If you installed it **correctly**, you should see the following window:



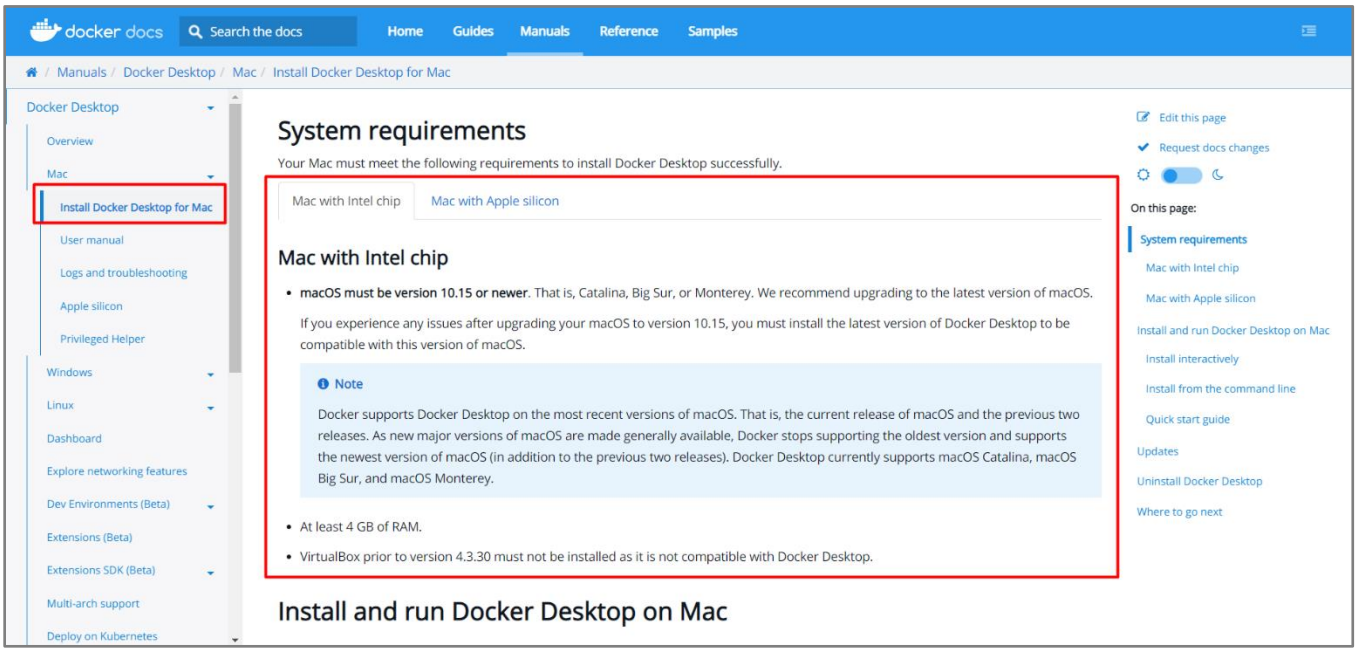
Congratulations! You are now successfully running Docker Desktop on Windows.

Download Docker Desktop on Mac

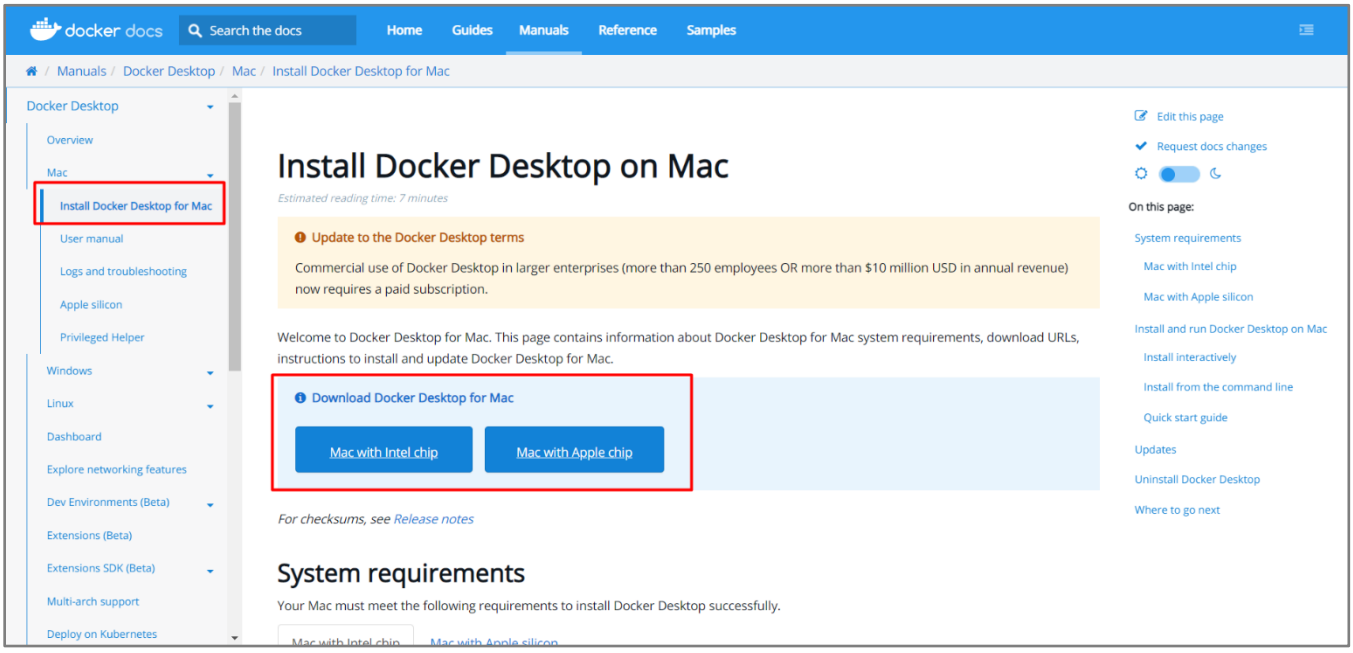
First, you will need to open the Docker documentation https://docs.docker.com/desktop/.

Choose **"Mac"** from the menu on the left side of the screen. Before installing make sure that your machine **matches the needed requirements** to use Docker Desktop.

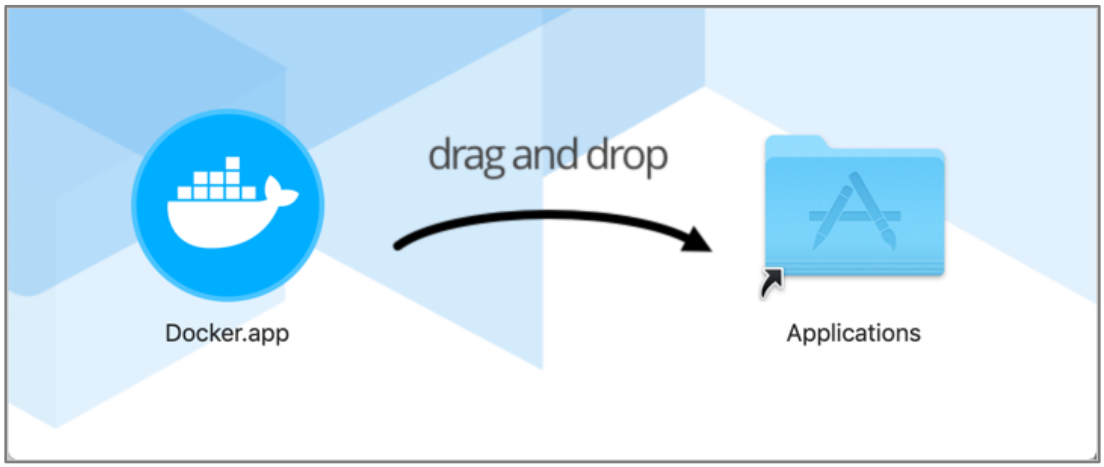
For example, if you use MacOS 10.15+ you could **directly** download and install Docker Desktop:



Download the **Docker Desktop Installer**:

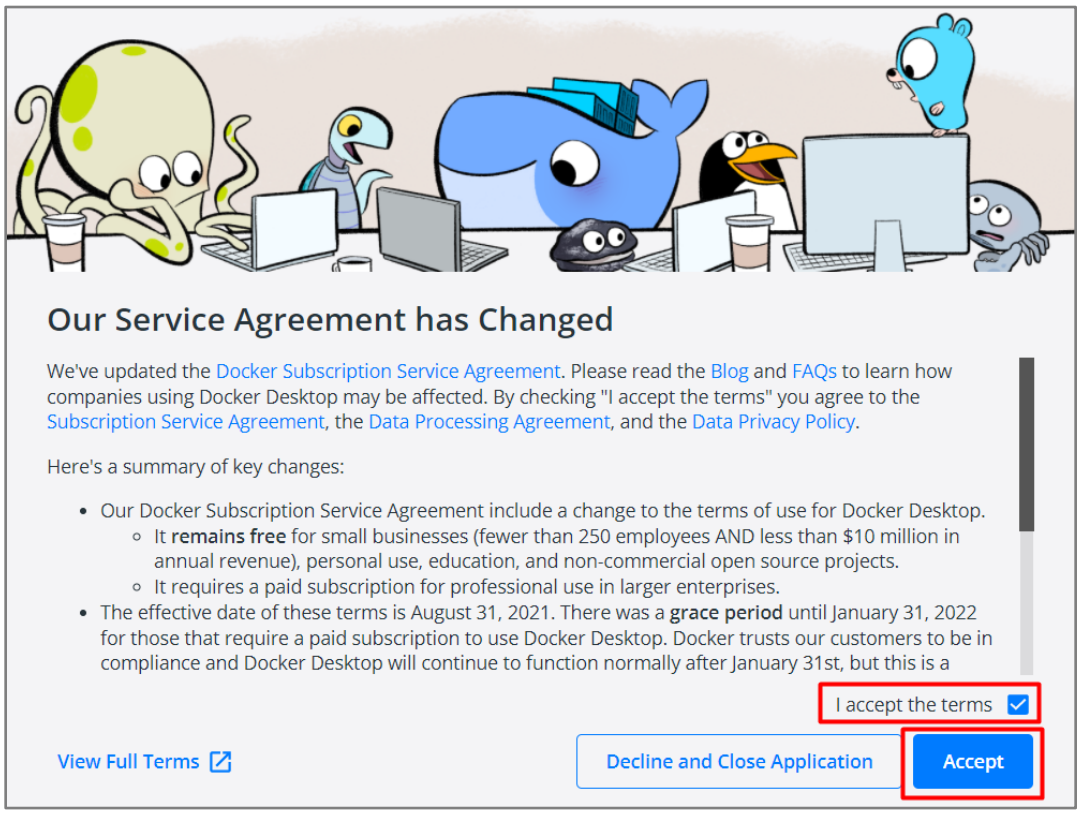


Double-click Docker.dmg to open the installer, then **drag the Docker icon to the Applications folder**:

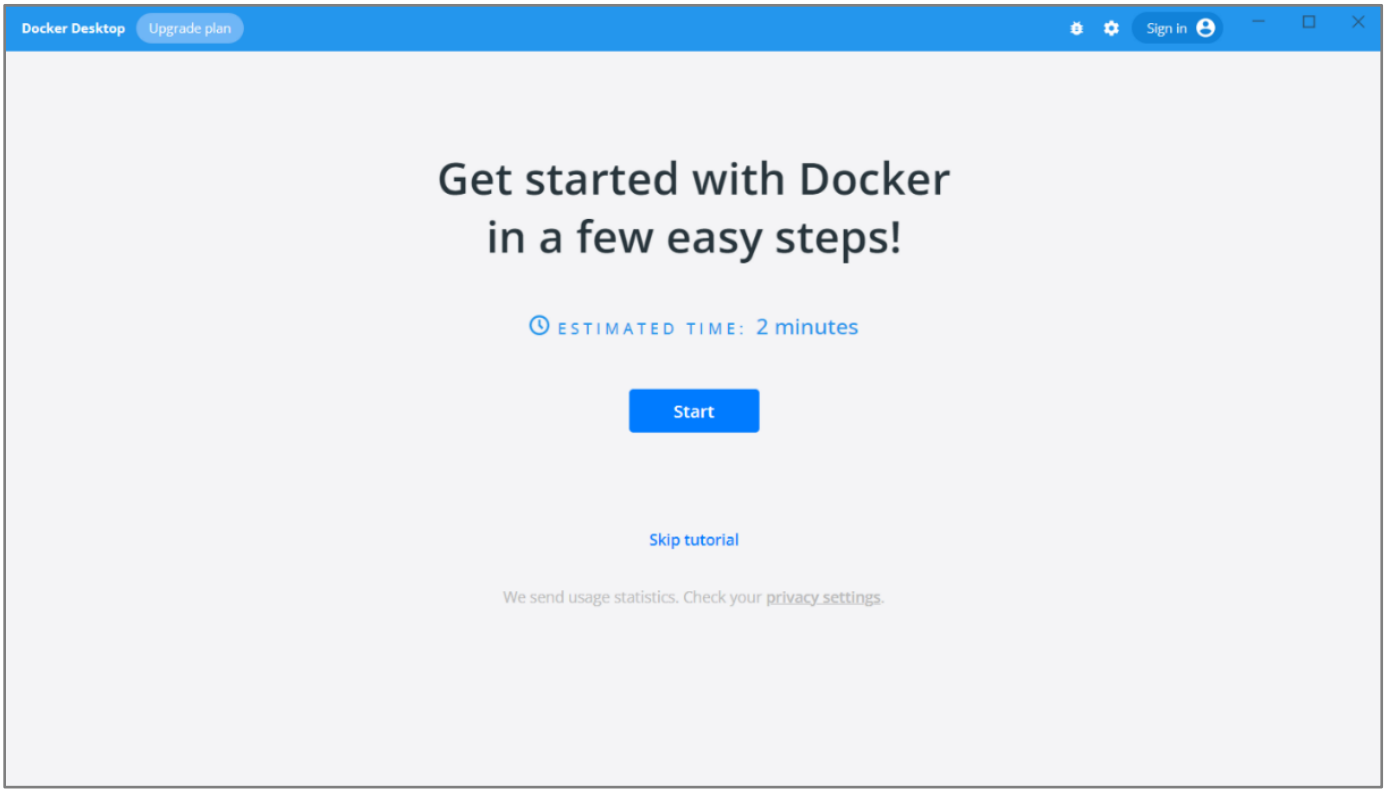


Double-click Docker.app in the Applications folder to start Docker.

First, it will display the **Docker Subscription Service Agreement** window. Read the terms and click the checkbox to indicate that you accept the updated terms and then click **Accept** to continue:



If you installed it **correctly**, you should see the following window:



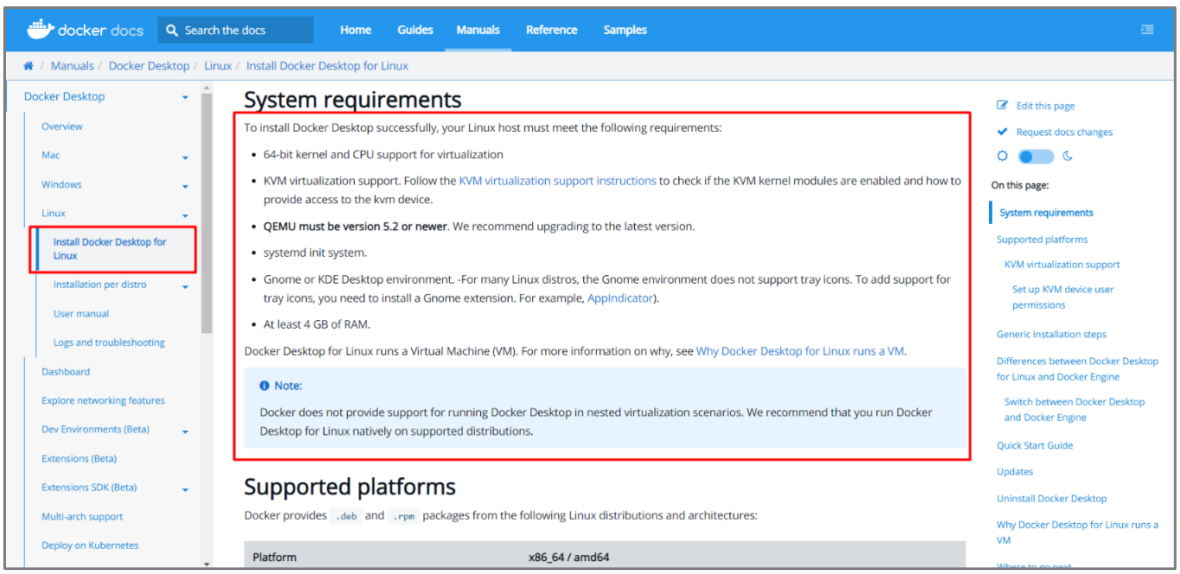
Congratulations! You are now successfully running Docker Desktop on Mac.

Download Docker Desktop on Linux

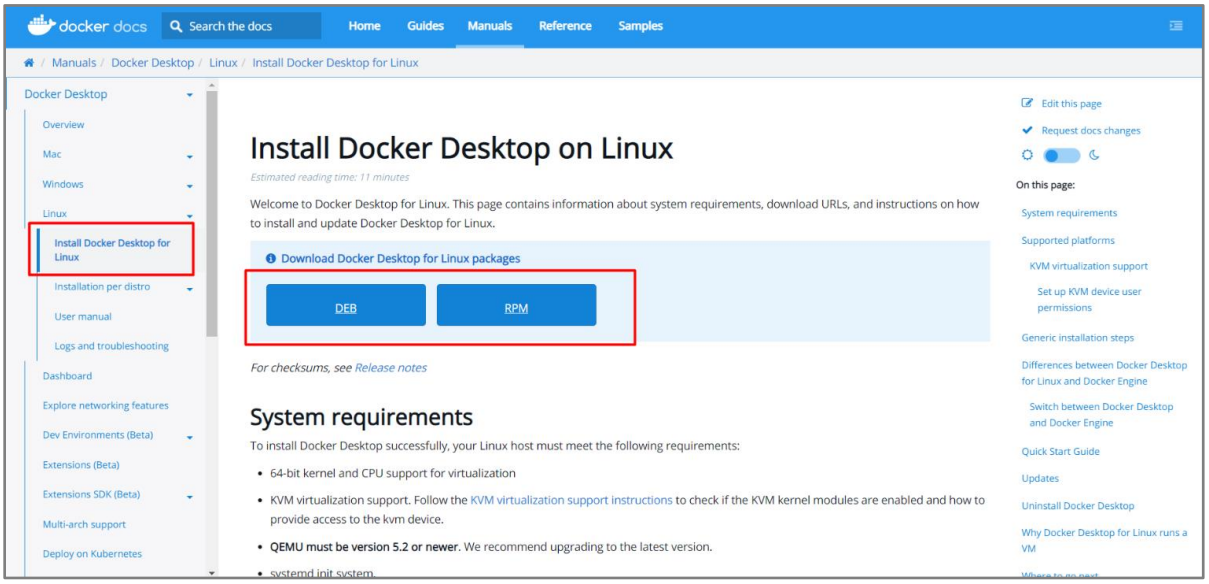
First, you will need to open the Docker documentation https://docs.docker.com/desktop/.

Choose **"Linux"** from the menu on the left side of the screen. Before installing make sure that your machine **matches the needed requirements** to use Docker Desktop.

For example, your Linux distribution should have 64-bit kernel and CPU support for virtualization, KVM virtualization support, and QEMU must be version 5.2 or newer:



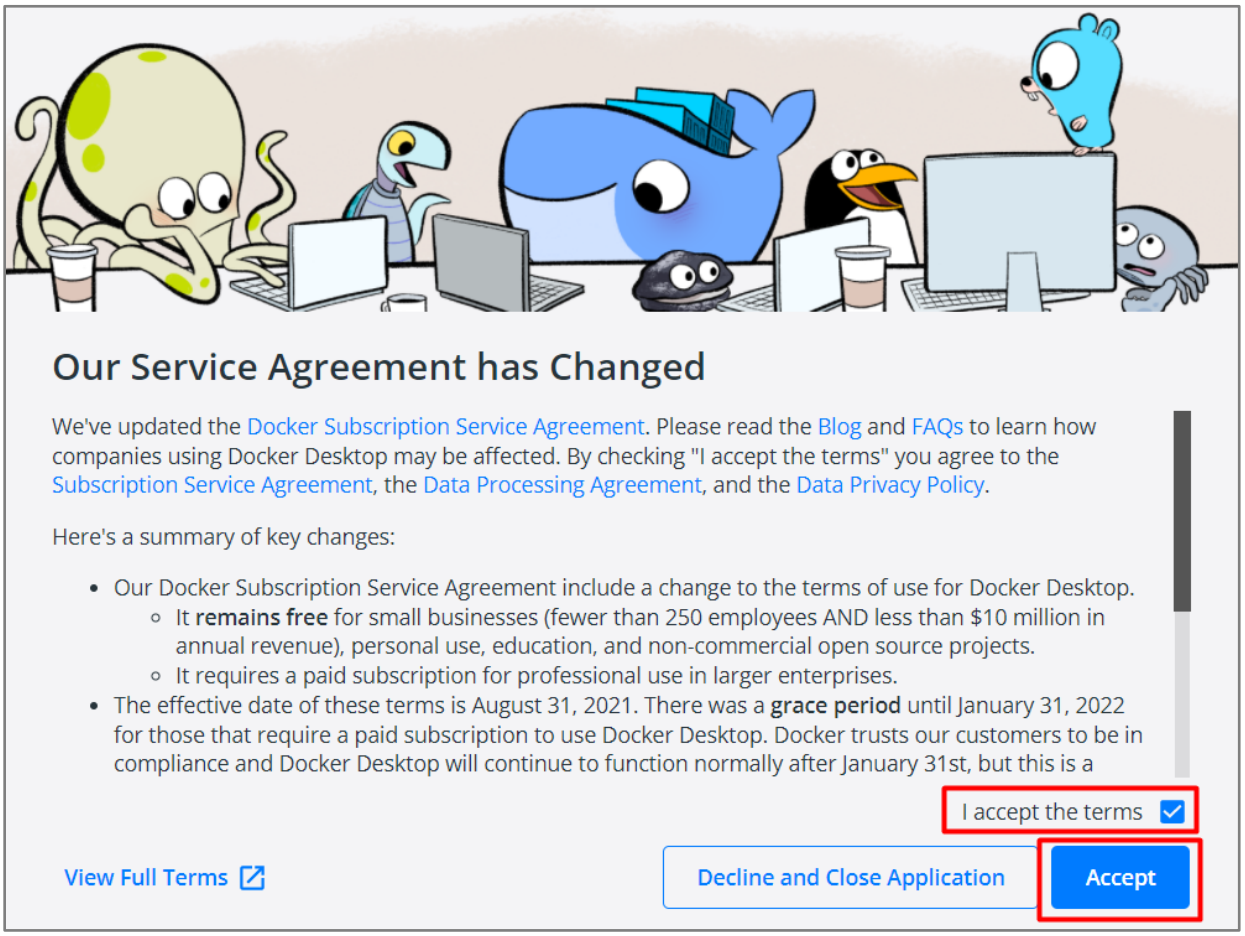
Download the correct package **for your Linux distribution** and **install** it with the **corresponding package manager**:



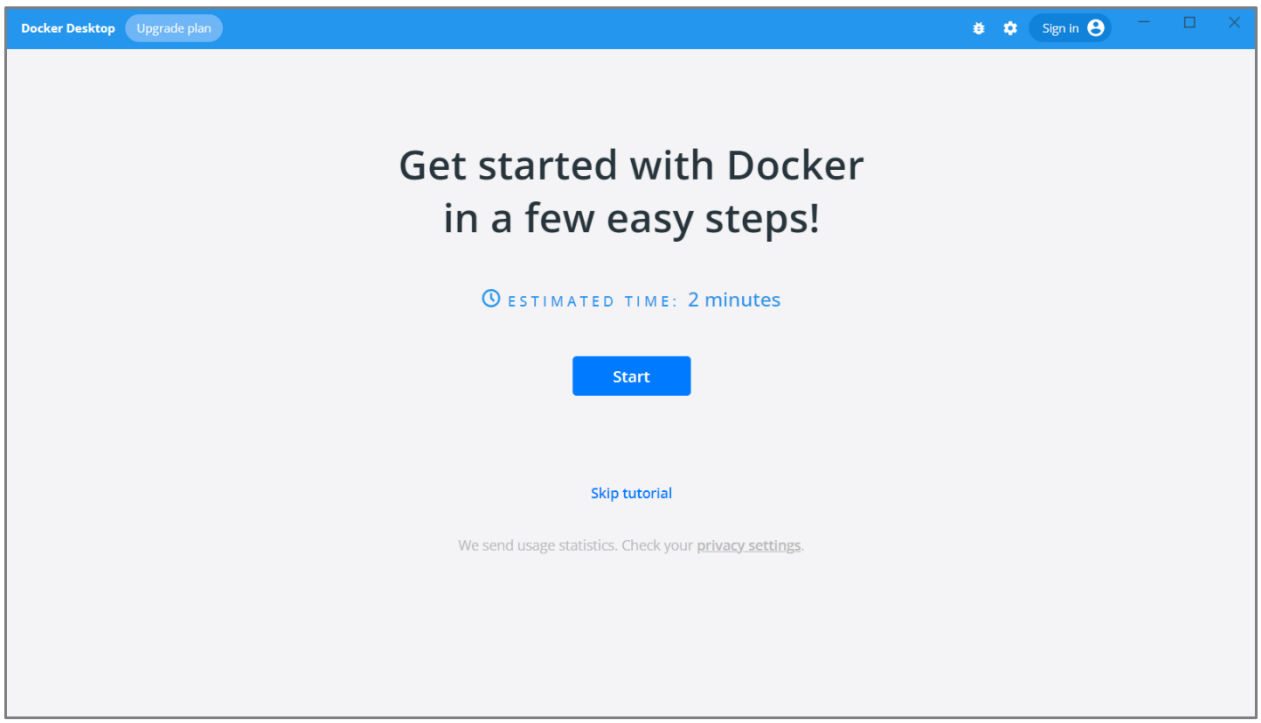
- More on how to install Docker Desktop on **Debian**: https://docs.docker.com/desktop/linux/install/debian/
- More on how to install Docker Desktop on **Fedora**: https://docs.docker.com/desktop/linux/install/fedora/
- More on how to install Docker Desktop on **Ubuntu**: https://docs.docker.com/desktop/linux/install/ubuntu/
- More on how to install Docker Desktop on **Arch**: https://docs.docker.com/desktop/linux/install/archlinux/

Open your Applications menu in Gnome/KDE Desktop and search for Docker Desktop. Then, select Docker Desktop to start Docker.

First, it will display the **Docker Subscription Service Agreement** window. Read the terms and click the checkbox to indicate that you accept the updated terms and then click **Accept** to continue:



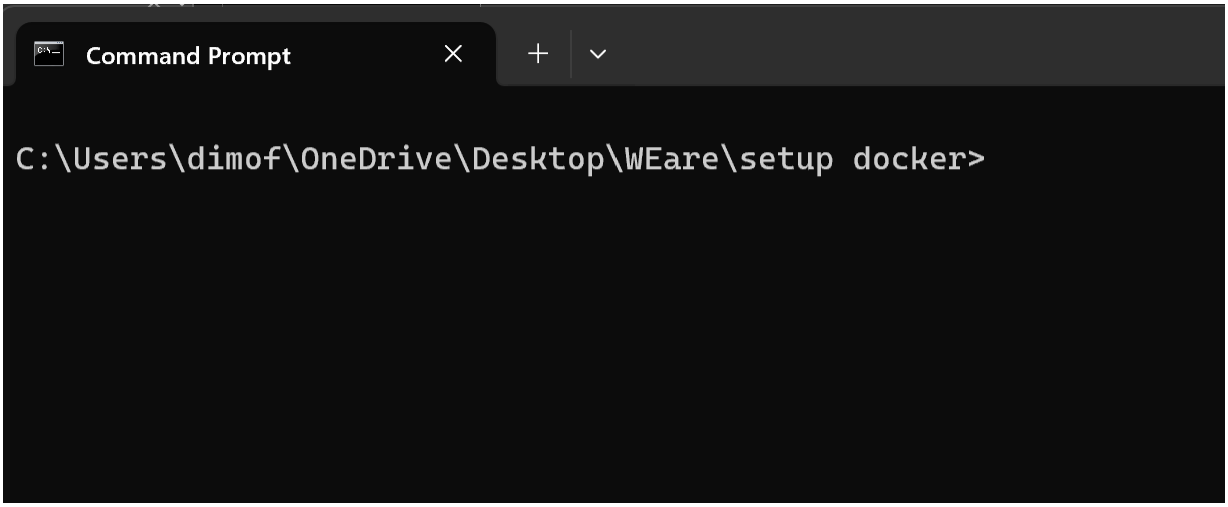
If you installed it **correctly**, you should see the following window:



Congratulations! You are now successfully running Docker Desktop on Linux.

Run WEare app with Docker Compose

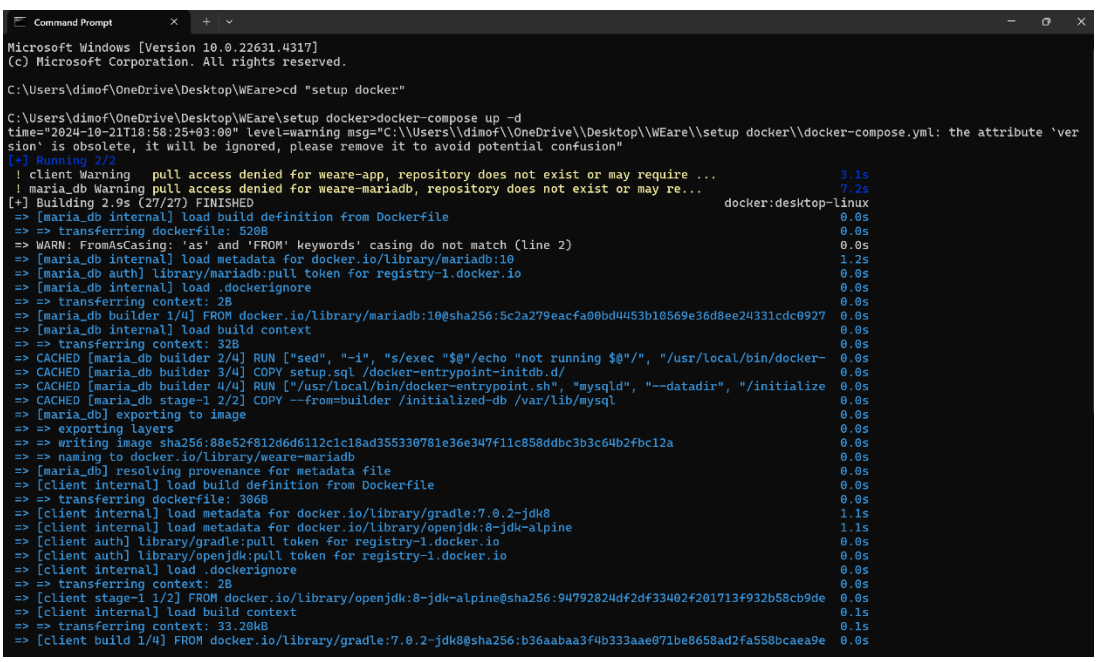
You will need to download the .ZIP file containing the APP files. Open the folder using your favorite Terminal [Command Prompt in the example below] and navigate to “setup docker” folder:



Once you are navigated to respective folder execute the following command in the terminal:

docker-compose up -d

Once done the docker commands will start to build and pull respective images. You should see something like this:

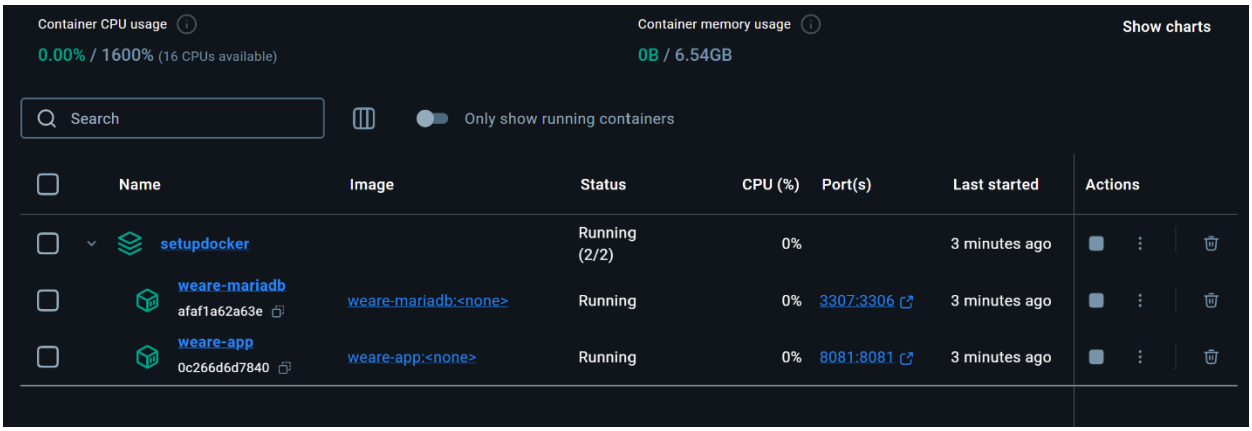


Once completed your terminal should display the following message:

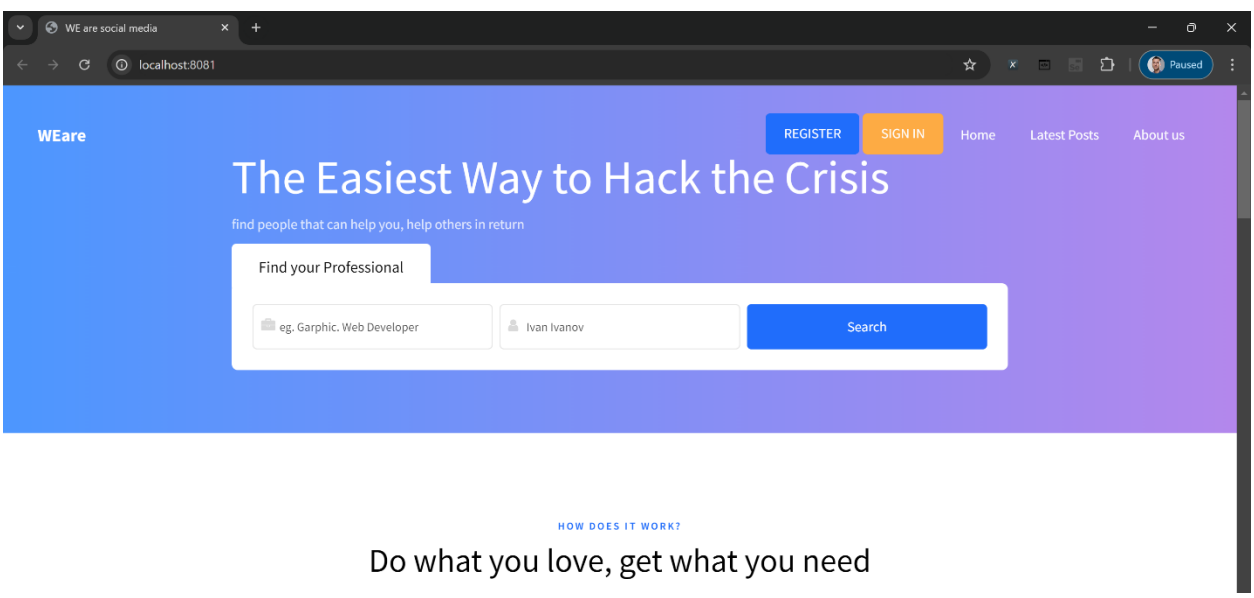
```
 => => naming to docker.io/library/weare-app                                    0.0s
 => [client] resolving provenance for metadata file                             0.0s
[+] Running 3/3
 ✔Network project-weare     Created                                             0.1s
 ✔Container weare-mariadb   Started                                             1.8s
 ✔Container weare-app       Started                                             1.4s

C:\Users\dimof\OneDrive\Desktop\WEare\setup docker>
```

If you open your Docker Desktop and navigate to Containers tab the following containers should be listed:



You should be able to navigate to http://localhost:8081 and see WEare app:



In case any of the ports used [**8081** for the application and 3306 for the database] are not free, please feel free to change them in the **docker-compose.yml** file with any free ports. Here is an example on how we are changing the app to work on port **8085** and the database on port **3305**.

```yaml
version: "3.8"
services:
  client:
    build: ../app
    image: weare-app
    container_name: weare-app
    ports:
      - "8085:8081"
    depends_on:
      - maria_db
    networks:
      - app-network

  maria_db:
    build: ../database
    image: weare-mariadb
    container_name: weare-mariadb
    ports:
      - 3305:3306
    networks:
      - app-network

networks:
  app-network:
    name: project-weare
```

Once changed execute again the same command in your terminal from "**setup docker**" folder:

docker-compose up -d

The app should start but this time on port 8085: