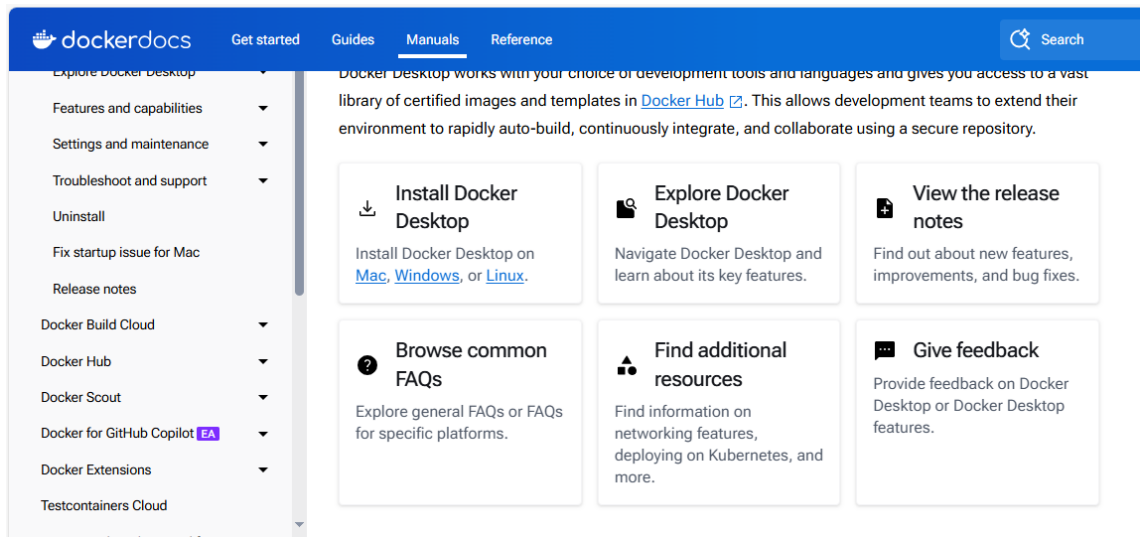


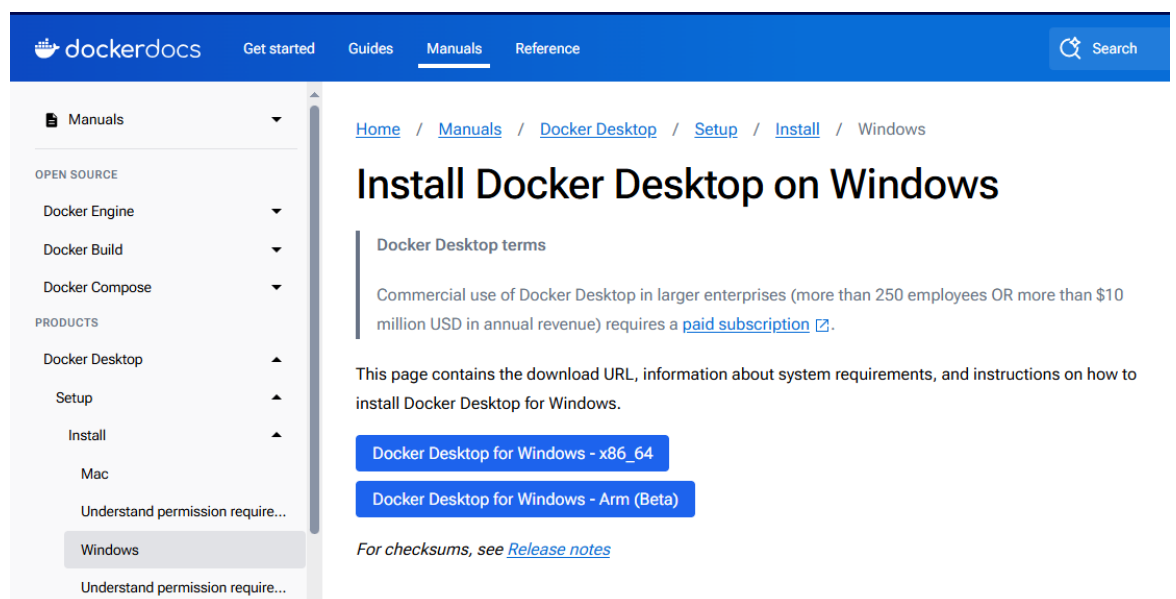
Docker Installation Guide

1. Visit the Docker Website:

- Go to the Docker website at docker.com.



- Choose the Docker Desktop for Windows option.



2. Download Docker:

- Click on the blue button to download Docker Desktop for Windows.
- The file size is approximately 591 MB.

3. Check System Requirements:

Windows 11

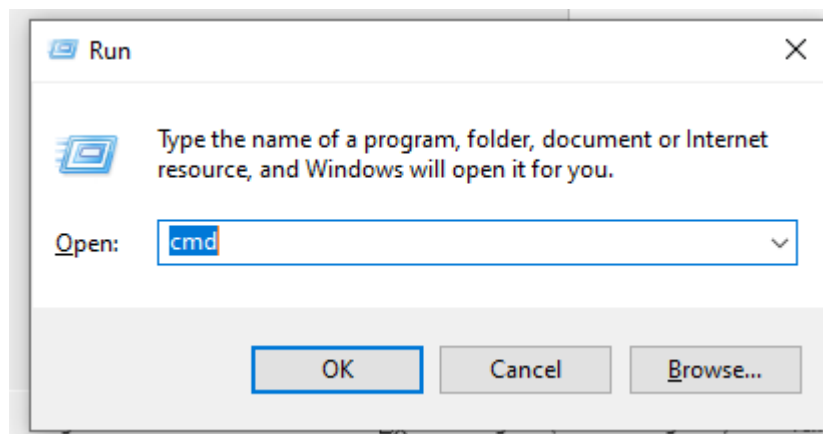
- Ensure you have Windows 11 64-bit (Home or Pro version 21H2 or higher) or Windows 10 64-bit.

Windows 10

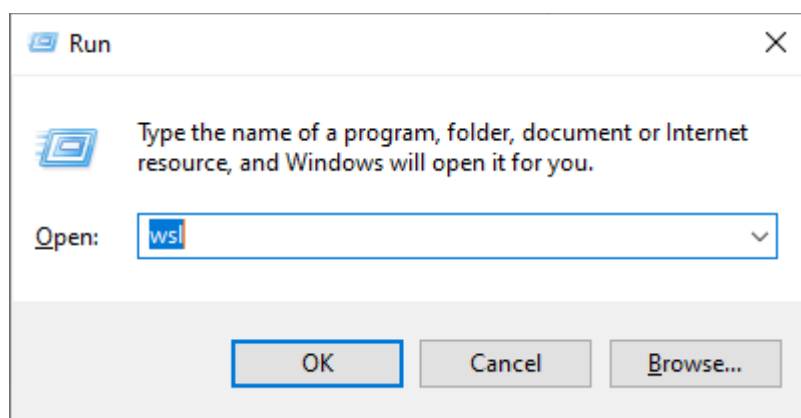
- Windows 10 64-bit: Minimum required is Home or Pro 22H2 (build 19045) or higher, or Enterprise or Education 22H2 (build 19045) or higher.

4. Verify that Windows Subsystem for Linux (WSL) is installed :

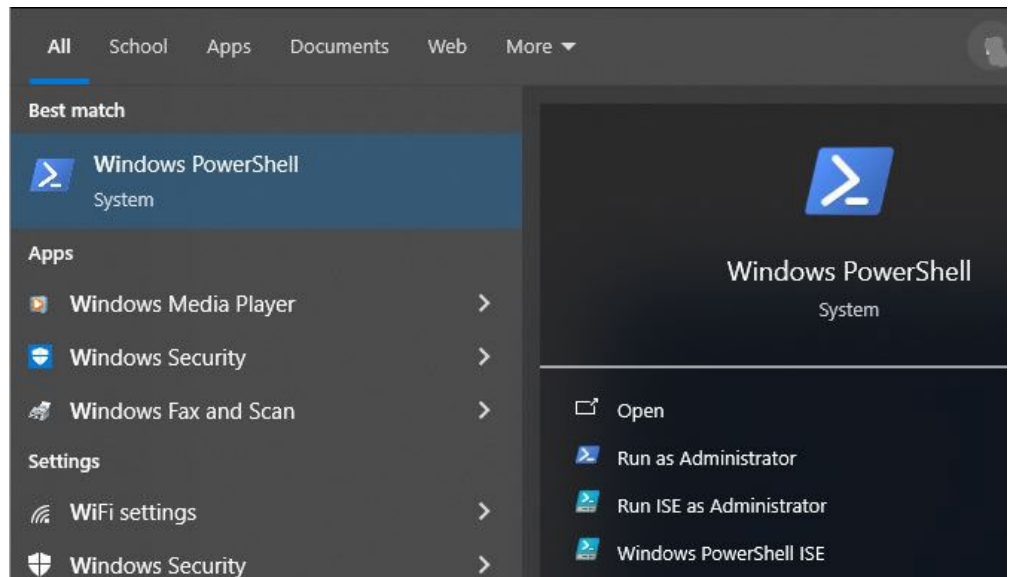
- Press Windows key + R, type cmd, and hit Enter.



- In the terminal, type wsl and hit Enter. If WSL is installed, you will see a response. If not, type **wsl --install** and hit Enter to install it.



You can install the **wsl** from Windows Powershell. Open the Windows Powershell in '**Run as Administrator**' mode and execute the command: **wsl – install**



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\WINDOWS\system32> wsl -- update
Windows Subsystem for Linux has no installed distributions.
You can resolve this by installing a distribution with the instructions below:

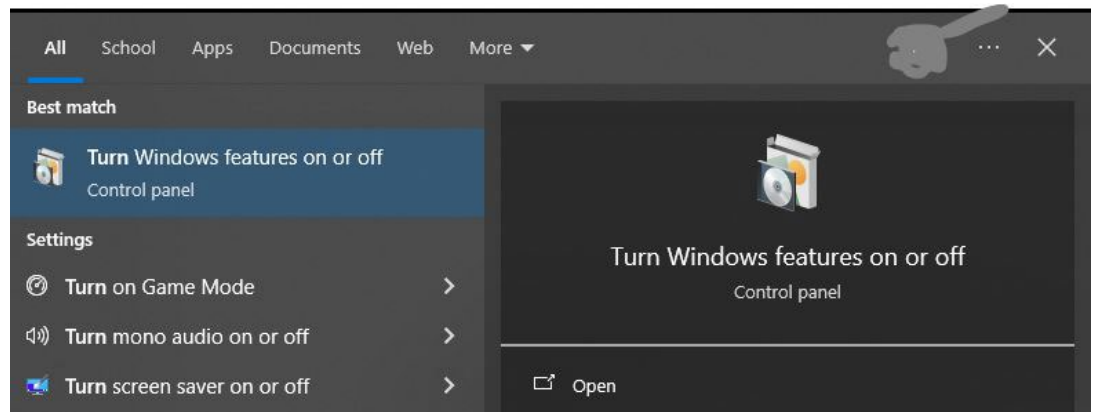
Use 'wsl.exe --list --online' to list available distributions
and 'wsl.exe --install <Distro>' to install.
PS C:\WINDOWS\system32> wsl.exe -- list -- online
Windows Subsystem for Linux has no installed distributions.
You can resolve this by installing a distribution with the instructions below:

Use 'wsl.exe --list --online' to list available distributions
and 'wsl.exe --install <Distro>' to install.
PS C:\WINDOWS\system32> wsl.exe --list --online
The following is a list of valid distributions that can be installed.
Install using 'wsl.exe --install <Distro>'.

NAME                                FRIENDLY NAME
SUSE-Linux-Enterprise-15-SP5        SUSE Linux Enterprise 15 SP5
SUSE-Linux-Enterprise-15-SP6        SUSE Linux Enterprise 15 SP6
Ubuntu                              Ubuntu
Ubuntu-24.04                        Ubuntu 24.04 LTS
kali-linux                          Kali Linux Rolling
openSUSE-Tumbleweed                  openSUSE Tumbleweed
openSUSE-Leap-15.6                  openSUSE Leap 15.6
Debian                              Debian GNU/Linux
Ubuntu-18.04                        Ubuntu 18.04 LTS
Ubuntu-20.04                        Ubuntu 20.04 LTS
Ubuntu-22.04                        Ubuntu 22.04 LTS
OracleLinux_7_9                     Oracle Linux 7.9
OracleLinux_8_7                     Oracle Linux 8.7
OracleLinux_9_1                     Oracle Linux 9.1
PS C:\WINDOWS\system32> wsl.exe --install Ubuntu-24.04
```

5. Enable WSL2 Feature:

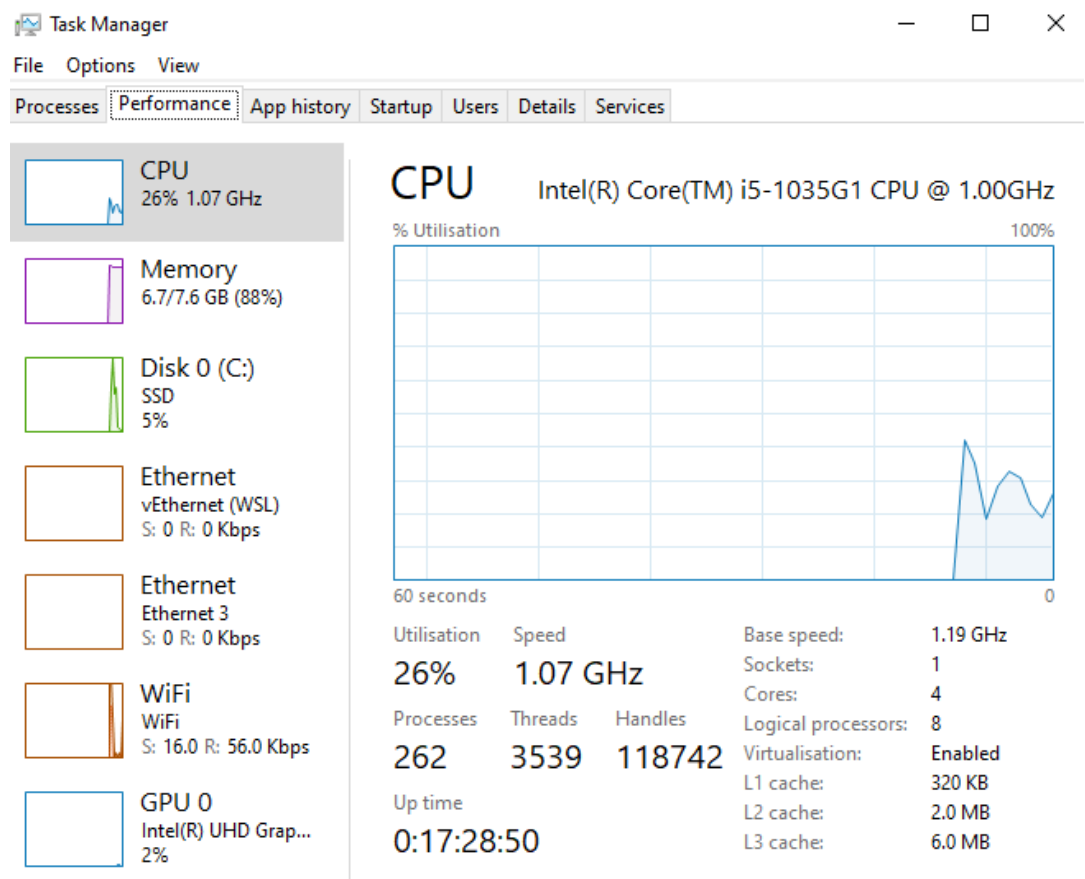
- Go to the search bar and type Turn Windows features on or off.



- In the list, find and enable Windows Subsystem for Linux.
- Click OK and wait for the setup to complete. Do not restart your PC yet.

6. Check Virtualization: *if enable Windows Subsystem for Linux is not available*

- Press Ctrl + Shift + Esc to open the Task Manager.



- Go to the Performance tab and click on CPU.

- Ensure that Virtualization is enabled. If not, you may need to enable it in the BIOS settings.

7. Install Docker:

Locate the downloaded Docker Desktop executable file and run it. Figure 1

- Follow the installation prompts and keep the option to create a desktop shortcut checked.
- Once the installation is complete, restart your PC.

Install interactively

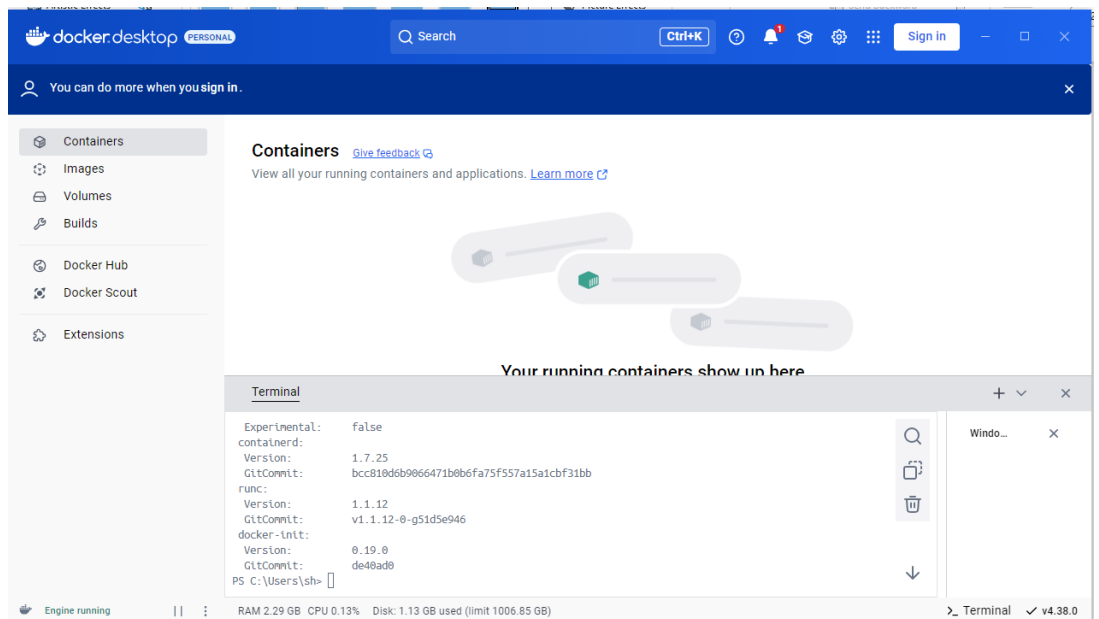
1. Download the installer using the download button at the top of the page, or from the [release notes](#).
2. Double-click `Docker Desktop Installer.exe` to run the installer. By default, Docker Desktop is installed at `C:\Program Files\Docker\Docker`.
3. When prompted, ensure the **Use WSL 2 instead 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 won't be able to select which backend to use.
4. Follow the instructions on the installation wizard to authorize the installer and proceed with the install.
5. When the installation is successful, select **Close** to complete the installation process.
6. [Start Docker Desktop](#).

8. Set Up Docker:

- After restarting, open Docker Desktop.
- Accept the terms and select the recommended settings.
- Click Finish and skip the sign-in process if desired.
- Docker will start the engine, which may take a minute or two.

9. Verify Installation:

- Once Docker is running, you will see the Docker Dashboard with options for containers, images, volumes, and more.



That's it! You have successfully installed

If the WSL is not installed properly you might get an unexpected error as shown below.
Check the step 4 and step 5 above

