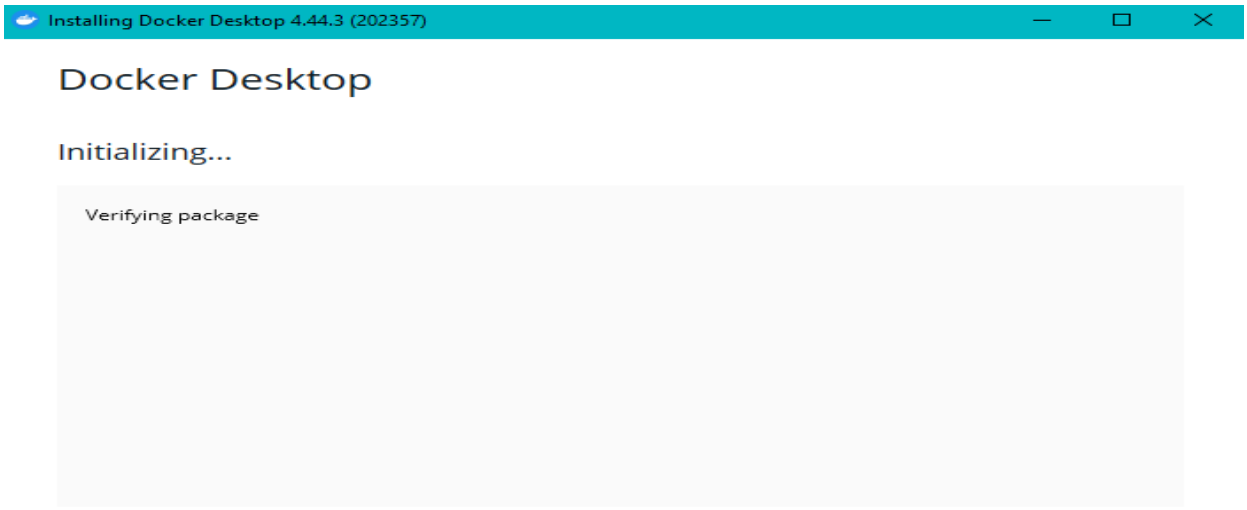
Procedure to Install Docker on Windows 10/11

Step 1: Download Docker Desktop Installer

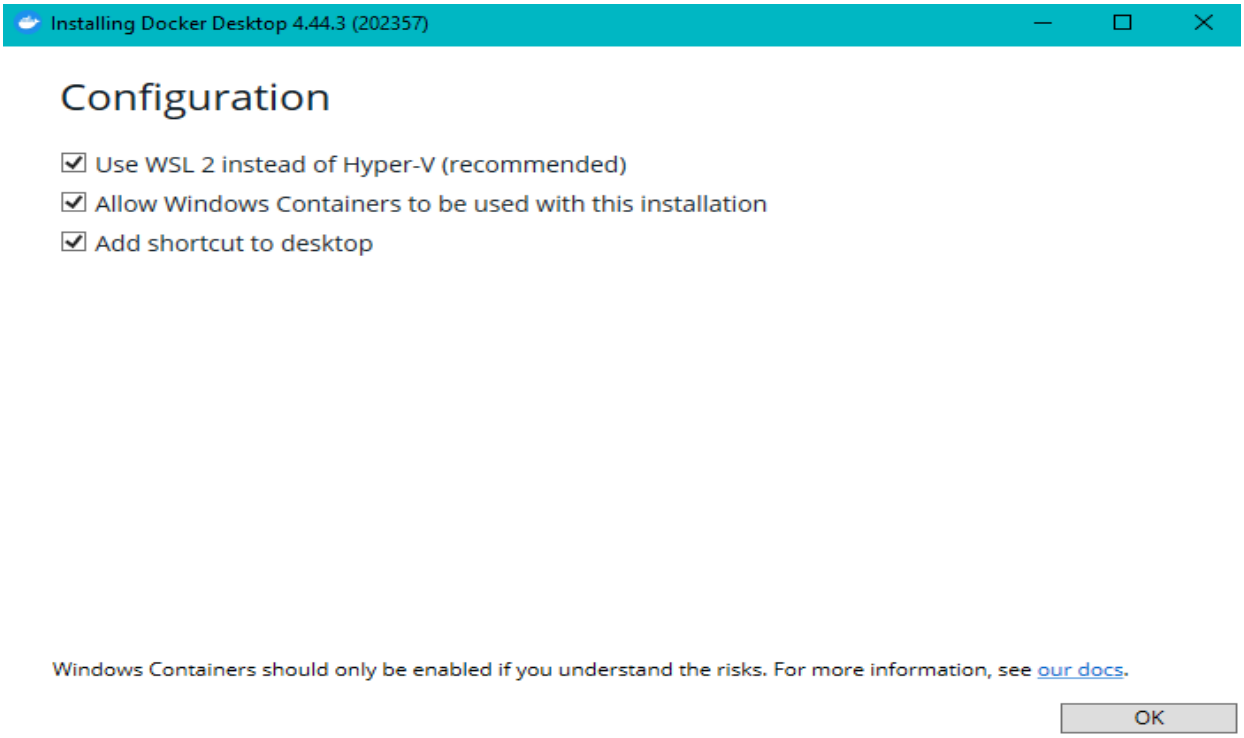
1. Open a web browser and go to the official Docker website: https://docs.docker.com/desktop/setup/install/windows-install/
2. Click on **Download for Windows (Windows 11/10)**.
3. Save the installer (Docker Desktop Installer.exe) to your local system.

Step 2: Install Docker Desktop

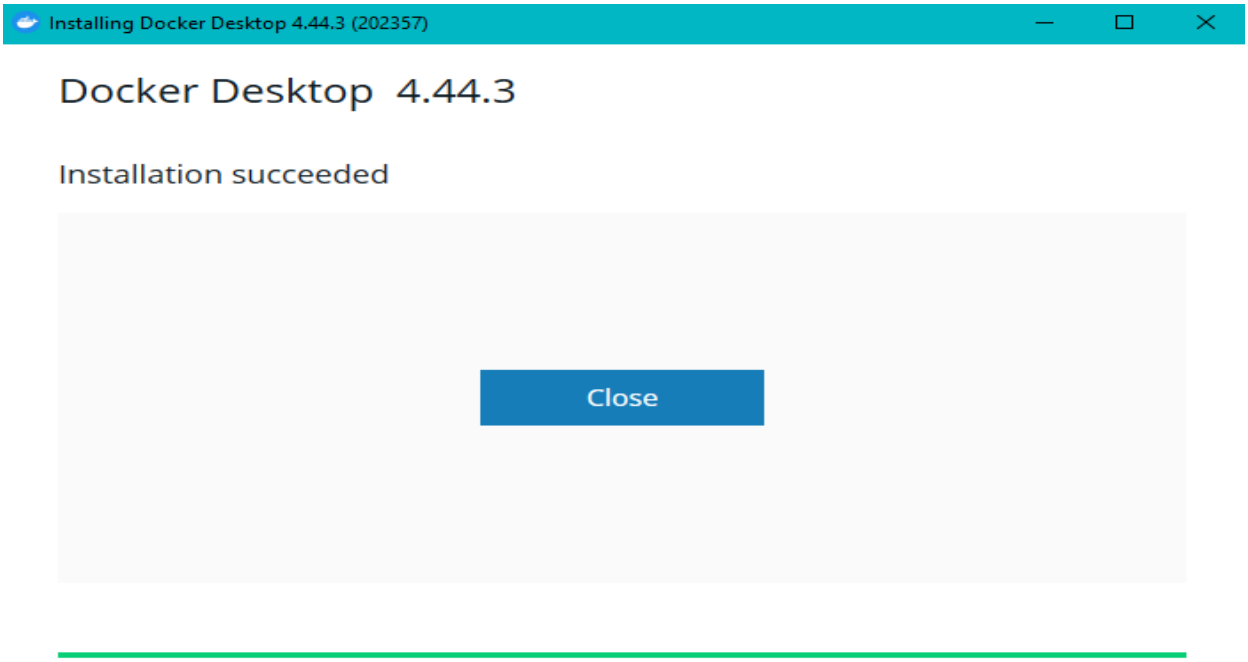
1. Locate the downloaded installer (Docker Desktop Installer.exe).
2. Double-click the installer to launch it.



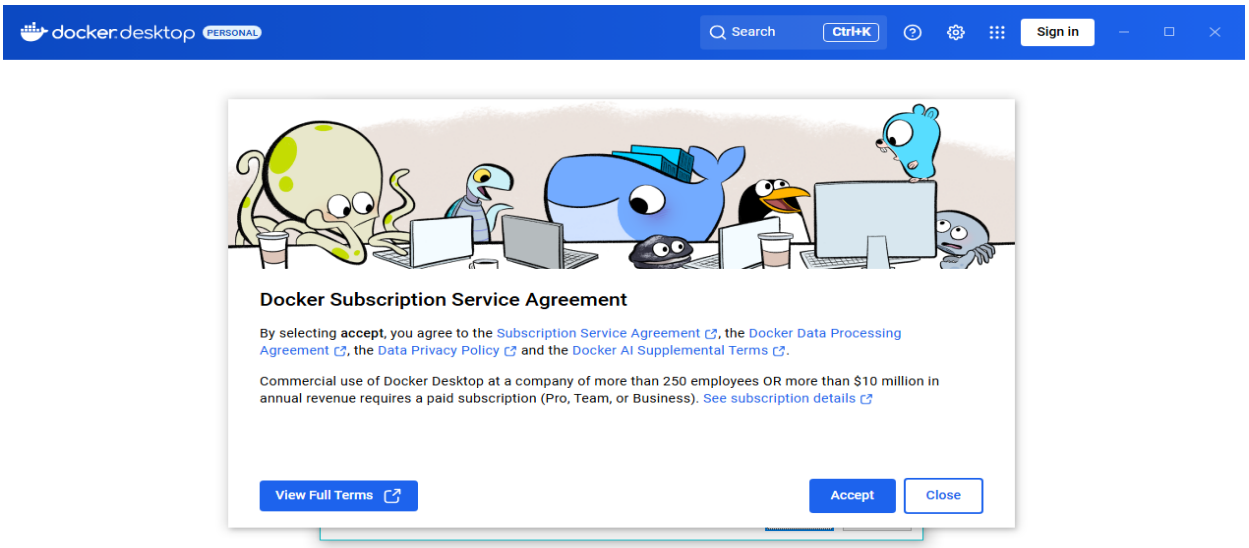
3. When prompted, ensure the Use WSL 2 instead of Hyper-V option on the Configuration page is selected or not depending on your choice of backend.



4. This will begin the installation process. Wait for the installation to complete.



5. Click **Close and restart** if prompted.
6. Open Docker Desktop App ->Click on Accept.



Step 3: Start Docker Desktop

1. After restarting, Docker Desktop may launch automatically. If not, start it manually:
    - Press Win + S and type **Docker Desktop**.
    - Click to open Docker Desktop.
2. Docker Desktop icon should appear in the system tray indicating that Docker is running.

Step 4: Verify Docker Installation

1. Open **Command Prompt**, **PowerShell**, or **Windows Terminal**.
2. Check Docker version:
   docker --version
   Example Output:
   Docker version 28.3.2, build abc1234
3. Verify Docker Compose version (optional):
   docker-compose --version
4. Run a test container:
   docker run hello-world

This command will download a test image and run it to confirm Docker is working correctly.

Step 5: Optional Configuration

1. Adjust Docker Desktop settings as needed:
    - Right-click Docker icon in system tray.
    - Choose **Settings**.
    - Configure resources (CPU, memory), WSL 2 integration, proxies, etc.
2. Enable Kubernetes (optional):
    - In **Settings**, go to **Kubernetes**.
    - Enable Kubernetes to work with container orchestration directly.