

# Docker Desktop Setup Guide for Windows 11

## 1. System Requirements

Supported Operating Systems:

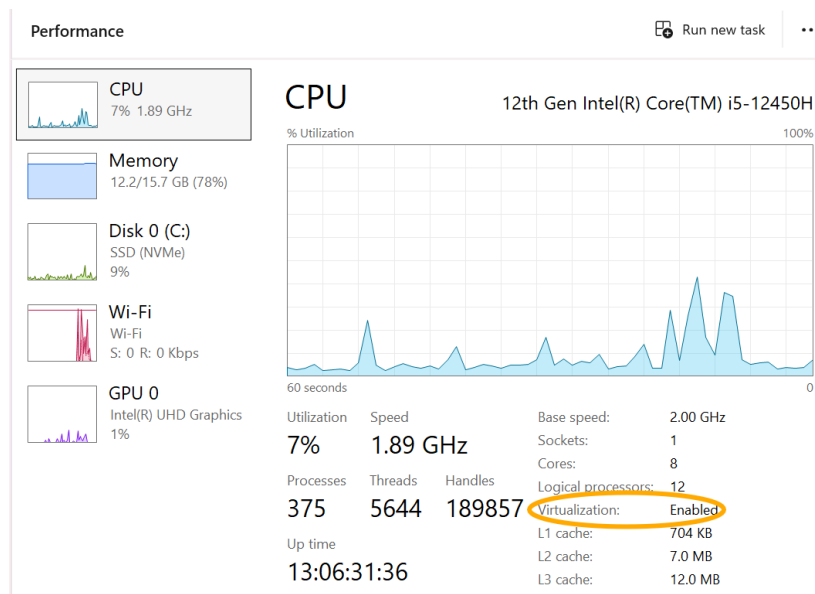
- - Windows 11 64-bit: Home, Pro, Enterprise, or Education (version 22H2 or higher)
- - Windows 10 64-bit: Home, Pro, Enterprise, or Education (version 22H2, build 19045 or higher)

Hardware Requirements:

- - 64-bit processor with Second Level Address Translation (SLAT)
- - Minimum 4GB RAM (8GB+ recommended)
- - Hardware virtualization enabled in BIOS/UEFI
- **To check if hardware virtualization is enabled on your windows laptop, use Task Manager:**

### Method: Using Task Manager

1. Press **Ctrl + Shift + Esc** to open Task Manager.
2. Click the **Performance** tab.
3. Select **CPU** from the left panel.
4. Look for **Virtualization** in the bottom-right section.
  - If it says **Enabled**, hardware virtualization is active.
  - If it says **Disabled**, it's turned off in BIOS/UEFI.



## If Virtualization Is Disabled

To enable it:

1. Restart your laptop and enter BIOS/UEFI (usually by pressing **F2**, **Del**, or **Esc** during boot).
2. Navigate to **Advanced**, **Security**, or **CPU Configuration** (varies by manufacturer).
3. Find **Intel VT-x**, **AMD-V**, or **Virtualization Technology**.
4. Set it to **Enabled**.
5. Save and exit BIOS/UEFI.

For more detailed steps, you can refer to Microsoft's support guide: [enable-virtualization](#).

Additional Requirements:

- - WSL 2 feature enabled. For detailed instructions, refer to the [Microsoft documentation](#).
- - Administrator privileges for installation

## 2. Download Docker Desktop

- Visit [docker-windows-install](#)
- Click the download link for your architecture (x86\_64 or ARM). Save the installer.

## 3. Install Docker Desktop

Run the downloaded installer (Docker Desktop Installer.exe). Follow the instructions:

- - Accept the license agreement
- - Choose WSL 2 or Hyper-V as backend (WSL 2 recommended)
- - Installer configures Docker Desktop and required components

## 4. Post-Installation Setup

Launch Docker Desktop from Start Menu or desktop shortcut.

Initial Configuration:

- - Log in or create Docker account (optional)
- - Configure resource limits (CPU, memory)
- Verify Installation:
- Run the following commands in Command Prompt:
- `docker --version`
- `docker run hello-world`

## 5. Troubleshooting

Common Issues:

- - Virtualization not enabled: Check BIOS/UEFI settings
- - WSL 2 not installed: Follow Microsoft's WSL 2 installation guide
- - Permissions: Run installer as Administrator
- Docker Desktop Troubleshooting Guide: [troubleshoot](#)
- Docker Forums: [docker-forums](#)

## 7. Useful Links

- Official Docker Desktop Windows Install Guide: [docker-windows-install](#)
- WSL 2 Installation Guide: [wsl-install](#)
- Docker Desktop Release Notes: <https://docs.docker.com/desktop/release-notes/>