Let’s clarify the **caches** and how to **clear them effectively** when you close VS Code. Here's a complete guide:

**🎯 Caches in VS Code: What Are They?**

VS Code stores temporary data in these locations:

| **Type** | **Path (MacOS/Linux)** | **Path (Windows)** | **Notes** |
| --- | --- | --- | --- |
| **Global Storage** | ~/.config/Code/ | %APPDATA%\Code\ | Extensions, settings, state |
| **Workspace Storage** | Inside .vscode/ in your project | Same | Per-project settings |
| **Dev Containers Cache** | ~/.vscode/extensions/ms-vscode-remote.remote-containers/data/ | %USERPROFILE%\.vscode\extensions\ms-vscode-remote-... | Stores containers, images, state |
| **Docker Layer Cache** | Docker system | Docker system | Layers, images, volumes |
| **Pre-compiled JS Cache** | ~/.config/Code/CachedData/ | %APPDATA%\Code\CachedData\ | JS/TS precompiled cache |
| **Extension Cache** | ~/.vscode/extensions/ | %USERPROFILE%\.vscode\extensions\ | Installed extensions |
| **Electron Cache** | ~/.config/Code/Cache/ | %APPDATA%\Code\Cache/ | Browser-like cache |

**🔥 Clearing VS Code Cache**

**✅ One-Time Manual Clean-Up**

1️⃣ **Close VS Code.**  
2️⃣ Delete these folders:

bash

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rm -rf ~/.config/Code/Cache/

rm -rf ~/.config/Code/CachedData/

rm -rf ~/.config/Code/User/workspaceStorage/

rm -rf ~/.config/Code/User/globalStorage/

rm -rf ~/.vscode/extensions/ms-vscode-remote.remote-containers/data/

3️⃣ For Docker cleanup (optional):

bash

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docker system prune -a

**🚀 Automated Cache Clear on Close**

VS Code **does not natively support auto-clear on close**. However, you can:

✅ **Use a shell script** to automate clearing when closing VS Code:

bash

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#!/bin/bash

# Add this to a script like `clear\_vscode\_cache.sh`

# Close VS Code if running

pkill -f "Visual Studio Code"

# Clear VS Code cache directories

rm -rf ~/.config/Code/Cache/

rm -rf ~/.config/Code/CachedData/

rm -rf ~/.config/Code/User/workspaceStorage/

rm -rf ~/.config/Code/User/globalStorage/

rm -rf ~/.vscode/extensions/ms-vscode-remote.remote-containers/data/

# Optional: Prune Docker

docker system prune -af

You can bind this to a **hotkey** or a custom **launcher script** for VS Code.

✅ **For Windows:**  
You can write a .bat or .ps1 script to remove these folders.

**✅ Minimal Strategy for Dev Containers**

If you mostly care about **dev containers** and Docker cache:

bash

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# Clean Dev Container data

rm -rf ~/.vscode/extensions/ms-vscode-remote.remote-containers/data/

# Clean Docker (optional)

docker system prune -a