



# GITHUB COPILOT

## SETUP AND INSTALLATION JOB AID

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\*\*INTERNAL USE ONLY\*\*

# GITHUB COPILOT ONBOARDING GUIDE

## OVERVIEW

Select roles have been given access to GitHub Copilot at UWM. Copilot is an AI coding assistant that provides contextualized assistance to developers throughout the entire software development lifecycle. Integrated with leading editors like Visual Studio Code (VS Code), Visual Studio, JetBrains, and Neovim, according to GitHub, Copilot is the world's most widely adopted AI developer tool.

This document provides guidance on how to setup your GitHub Copilot license as well as some tips and tricks to get started using this tool to help you work more efficiently.

**NOTE:** Currently, the use of GitHub repositories is **restricted** at UWM. Use of GitHub as a repository is not necessary to use GitHub Copilot or Chat. Please continue to use your team's designated repository.

## INITIAL SETUP DIRECTIONS

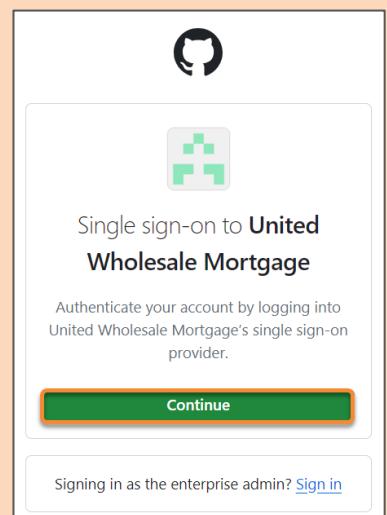


Before you can setup your license in your IDE, you must set up your UWM GitHub account. Skipping this step may result in errors occurring during installation or the inability to use Copilot in your IDE.

### DO NOT SKIP!

**Follow [this link<sup>1</sup>](#) and sign in to your UWM GitHub account using SSO.**

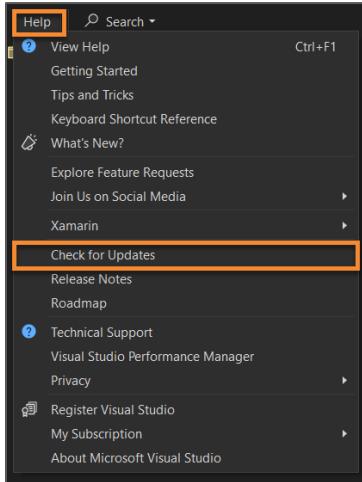
Make sure to do this step **before** installing GitHub Copilot extensions in your IDE.



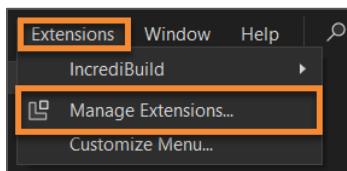
## VISUAL STUDIO INSTALL DIRECTIONS

Follow the steps below to add your GitHub account to Visual Studio and install Copilot.

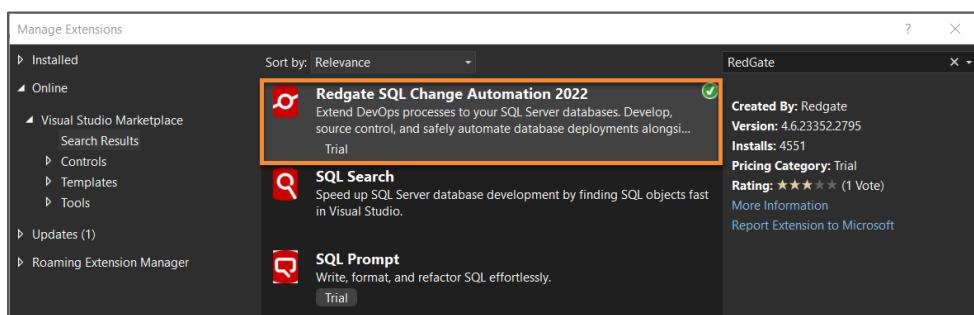
1. Open Visual Studio.
2. Open the Help menu and select 'Check for Updates'



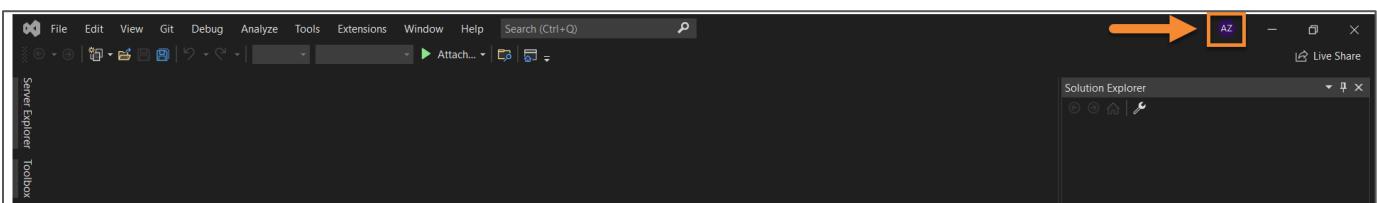
3. Update Visual Studio to 17.7 or higher.
4. **For RedGate Users Only:** Open the Extensions menu and select 'Manage Extensions...'.



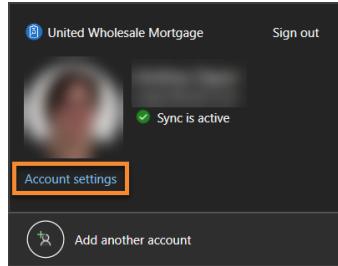
5. **For RedGate Users Only:** Search for the RedGate SQL Change Automation 2022 extension. Install any updates to the extension to ensure you have the most up to date version.



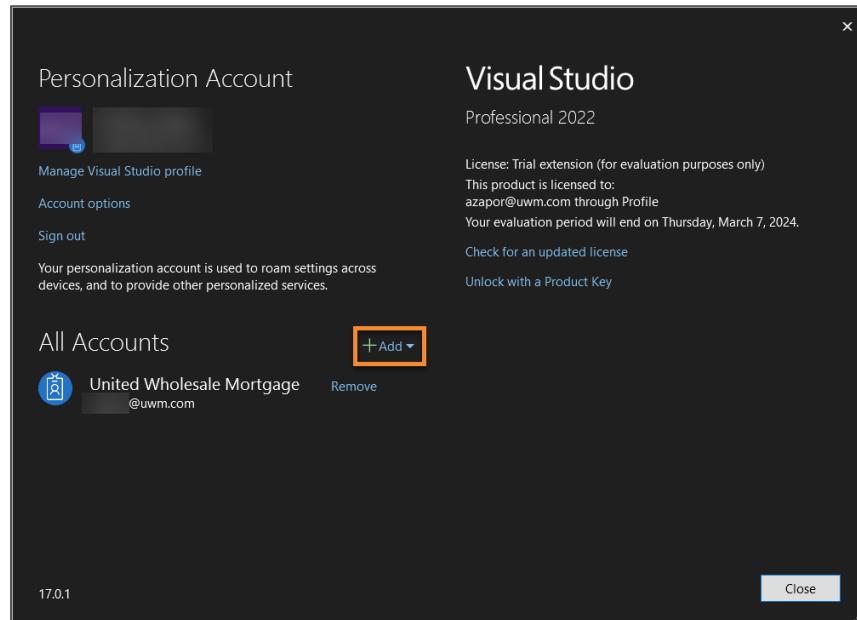
6. Click your Account profile icon in the top, right corner.



7. Select 'Account Settings'.



8. Locate the All Accounts section. Select the '+Add' button.

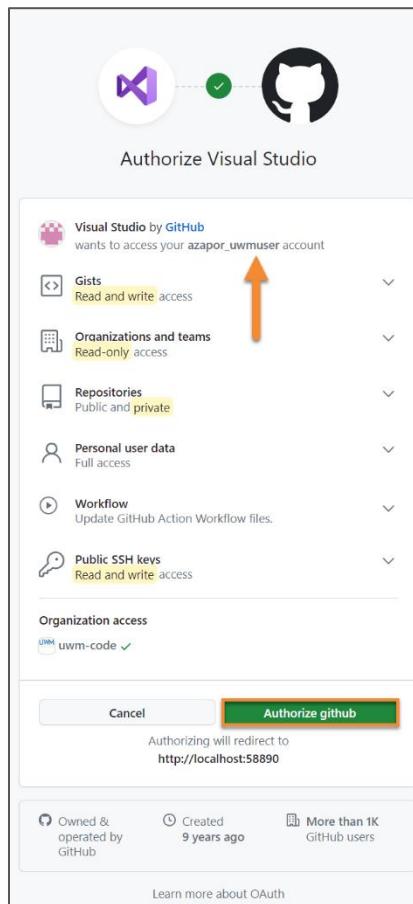


\*\*INTERNAL USE ONLY\*\*

9. Select 'GitHub account'.



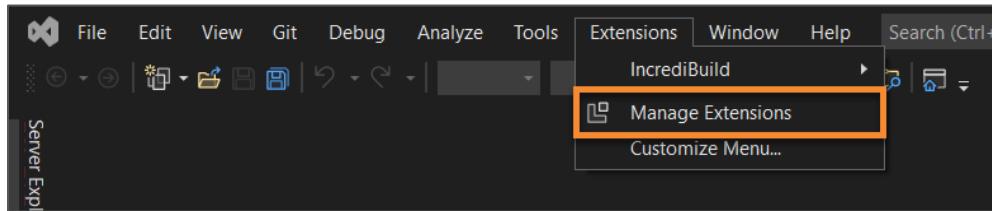
10. Once your browser loads, **ensure that it is your uwmuser account** and then select 'Authorize github'.



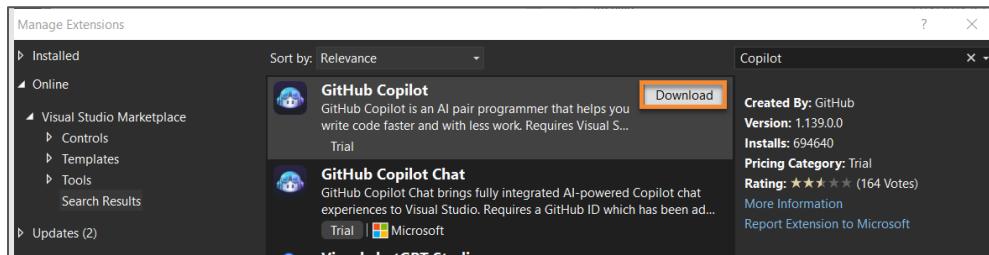
\*\*INTERNAL USE ONLY\*\*

**NOTE:** If you do not see your UWM account, make sure you followed the steps in the [Initial Setup section](#) of this document.

11. In the Visual Studio menu bar, open the Extensions menu, then select 'Manage Extensions'.

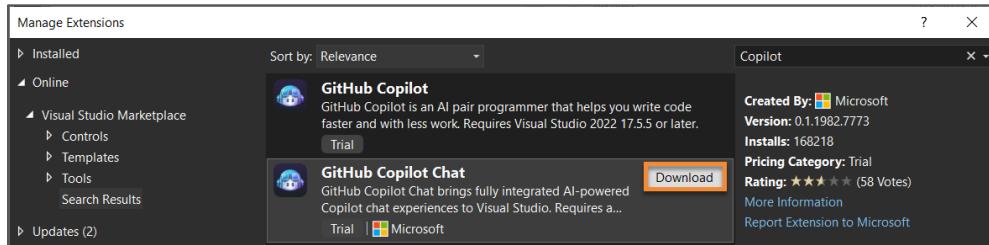


12. Search for the GitHub Copilot extension and download it.

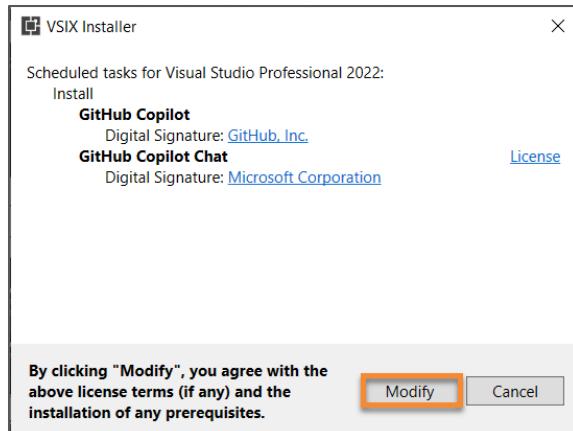


**NOTE:** If you do not see the GitHub Copilot extension, this means your Visual Studio version is not compatible. Go to the [Visual Code Update section](#) of this document and update your software to the necessary version.

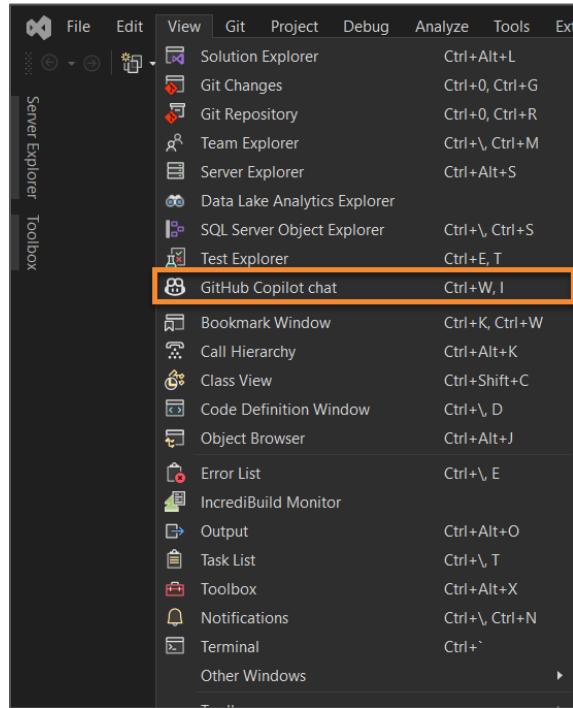
13. Search for the GitHub Copilot Chat extension and download it.



14. Close Visual Studio. When prompted by the VSIX Installer, select 'Modify'.



GitHub Copilot and Chat are now installed and ready to use. To open the GitHub Copilot Chat window, open the View menu in Visual Studio, then select GitHub Copilot Chat.

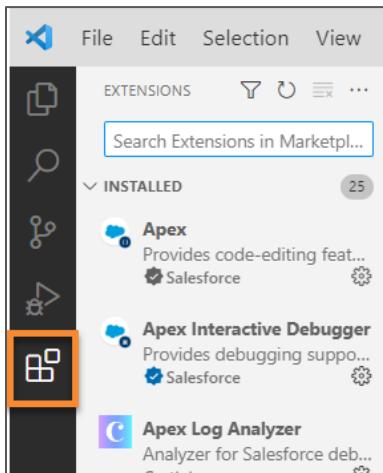


For tips and tricks to help you get started with Copilot, refer to the Getting Started with Copilot online module in Academy!

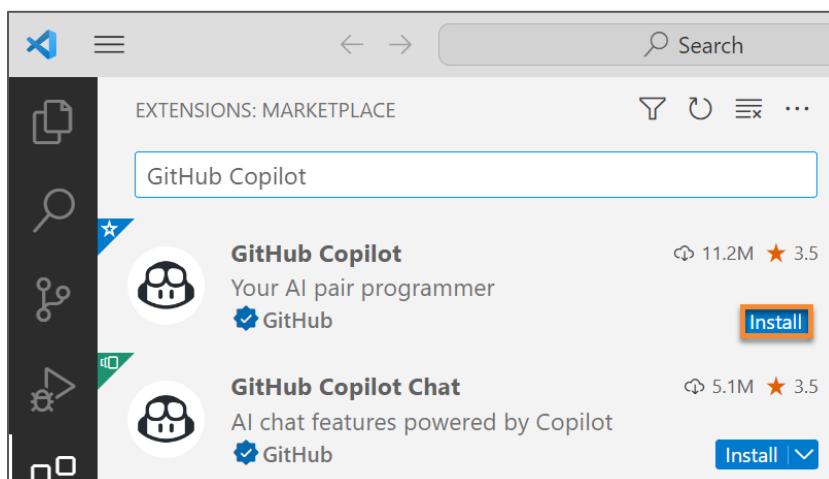
## VS CODE INSTALL DIRECTIONS

Follow the steps below to install and setup Copilot in Visual Studio Code.

1. Open Visual Studio Code.
2. Select the Extensions Marketplace icon.



3. Search for the GitHub Copilot extension.
4. Install the GitHub Copilot extension.

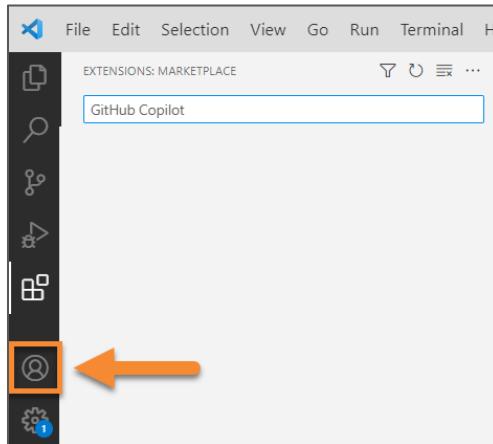


**NOTE:** Installing the GitHub Copilot extension will automatically install the GitHub Copilot Chat extension.

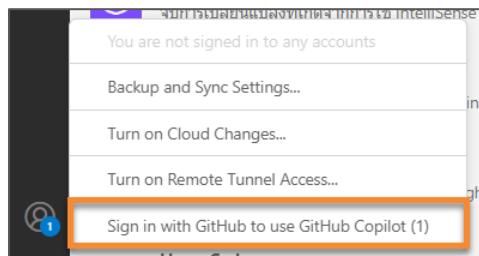
5. Search for and install the following extension:
  - a. Windows users: win-ca
  - b. Mac users: Mac CA VSCode



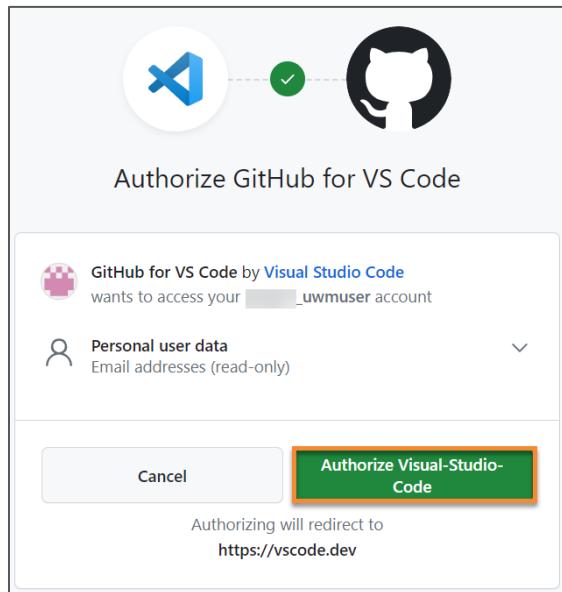
6. After the extensions are installed, select the Accounts icon at the bottom of the Activity bar.



7. Select 'Sign in with GitHub to use GitHub Copilot'.



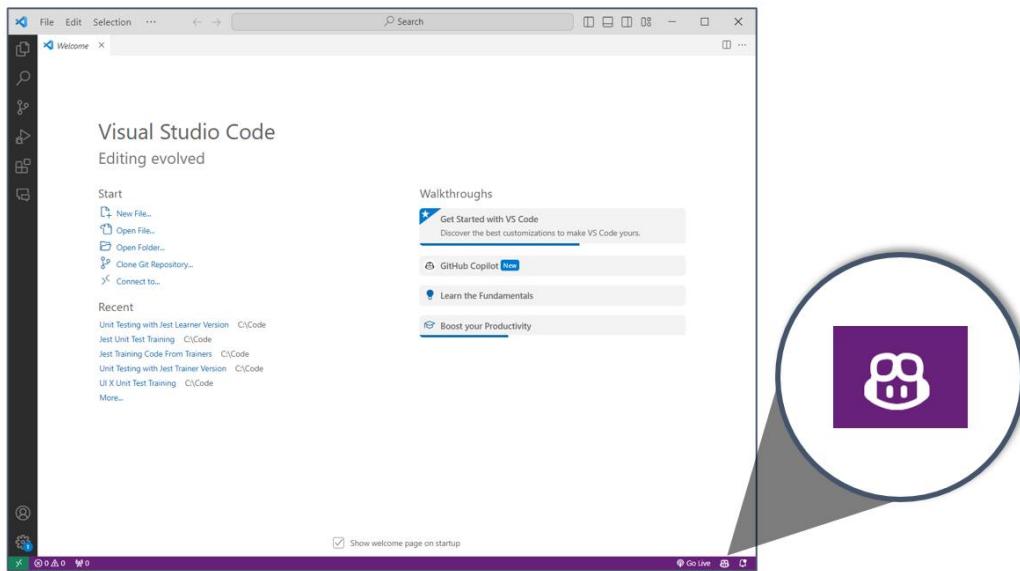
8. In the pop-up window, select Authorize Visual-Studio-Code.



**NOTE:** If you do not see the authorization window, return to the initial setup directions in this document and follow the instructions to setup your GitHub account.

## 9. Restart VS Code.

GitHub Copilot and Copilot Chat are now installed in VS Code. To verify, check for the Copilot icon at the bottom right of the VS Code window.

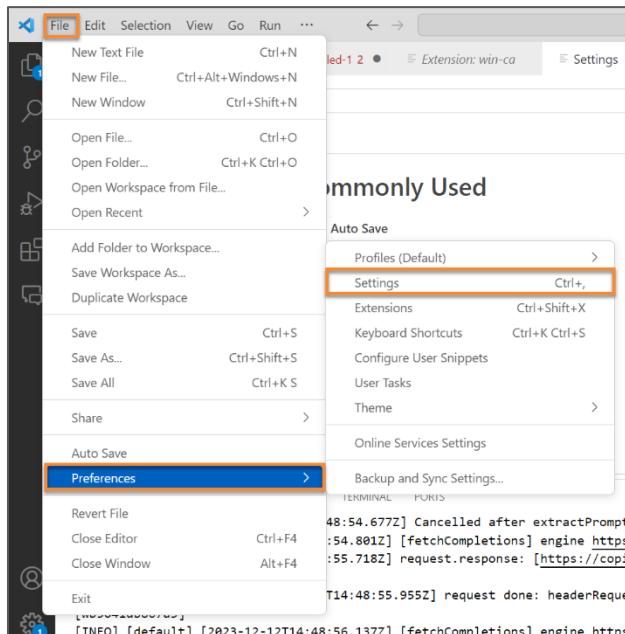


For tips and tricks to help you get started with Copilot, refer to the Getting Started with Copilot online module in Academy!

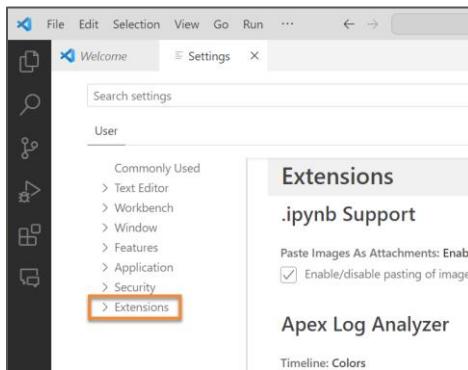
## VS CODE USERS ON WINDOWS MACHINE ONLY:

If you are a Windows user, please follow the steps below to update an extension setting. Without this setting, your Copilot may not work as expected.

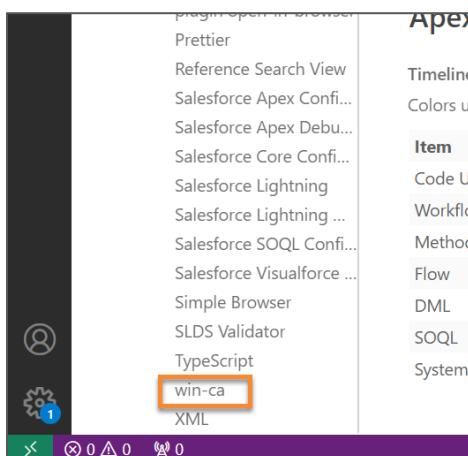
1. Follow this path to open the settings menu: File>Preferences>Settings



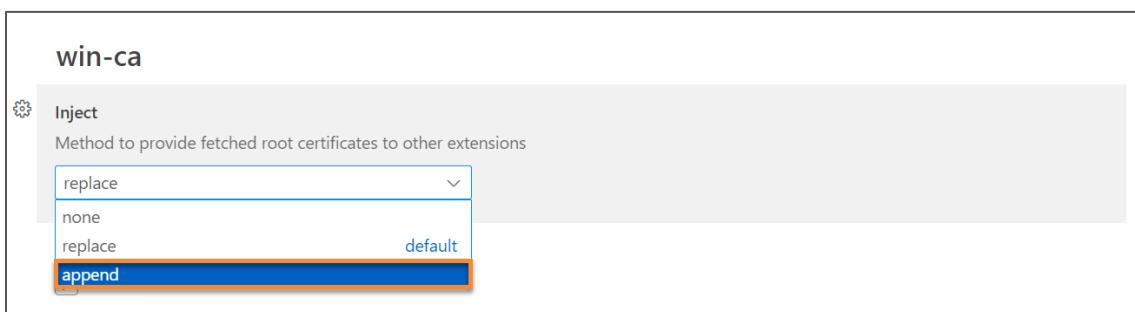
2. Open the Extensions menu.



3. Locate and select 'win-ca'.



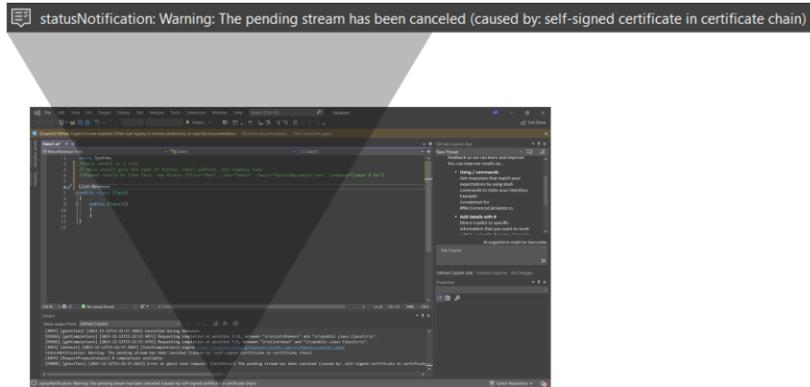
4. Change the Inject method to 'append'.



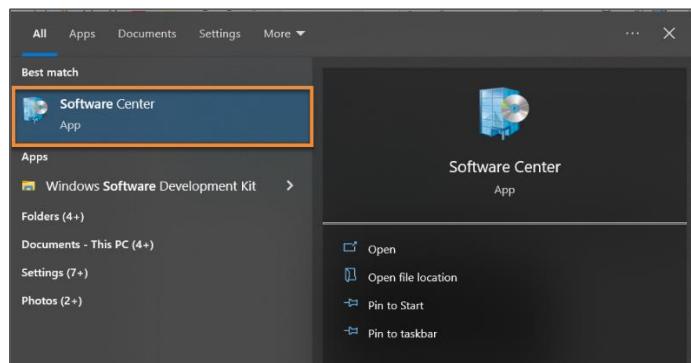
5. Restart Visual Studio Code (VS Code).

## VISUAL STUDIO CERTIFICATION ERROR

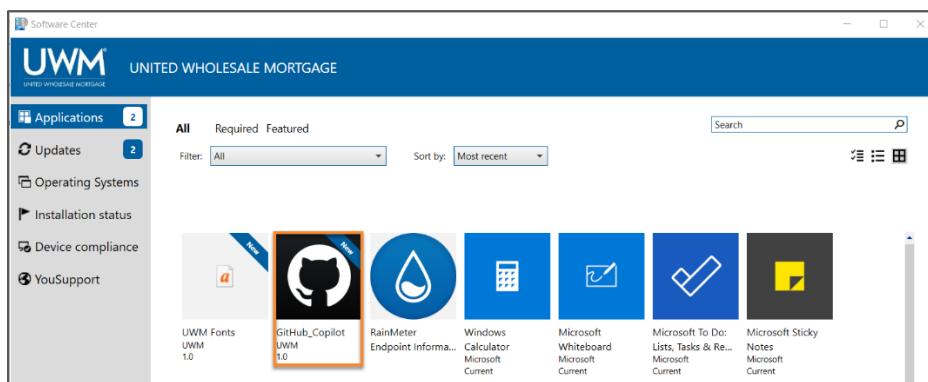
If you receive an error about certification chain, follow the steps below to fix this error.



1. Navigate to Software center on your machine.



2. Locate the GitHub\_Copilot UWM application and install it.



3. Restart Visual Studio.

## Hyperlinks in This Document

1. <https://github.com/enterprises/united-wholesale-mortgage>
2. [https://download.visualstudio.microsoft.com/download/pr/47b236ad-5505-4752-9d2b-5cf9795528bc/01928860f486c6ac0a56beb062cf45e0e6224ae86750e1dc1e7d4318d9f9e9e2/vs\\_Enterprise.exe](https://download.visualstudio.microsoft.com/download/pr/47b236ad-5505-4752-9d2b-5cf9795528bc/01928860f486c6ac0a56beb062cf45e0e6224ae86750e1dc1e7d4318d9f9e9e2/vs_Enterprise.exe)
3. [https://download.visualstudio.microsoft.com/download/pr/0cfb09bb-60ee-494a-887d-9697d4e466e4/8a3ebdbd64ccfba96700fedcd1a15c5361338d5dbec6899b67818117042d1531/vs\\_Professional.exe](https://download.visualstudio.microsoft.com/download/pr/0cfb09bb-60ee-494a-887d-9697d4e466e4/8a3ebdbd64ccfba96700fedcd1a15c5361338d5dbec6899b67818117042d1531/vs_Professional.exe)

If you have any questions or concerns,  
please post to the Troubleshooting channel in the Copilot MS Teams Team.