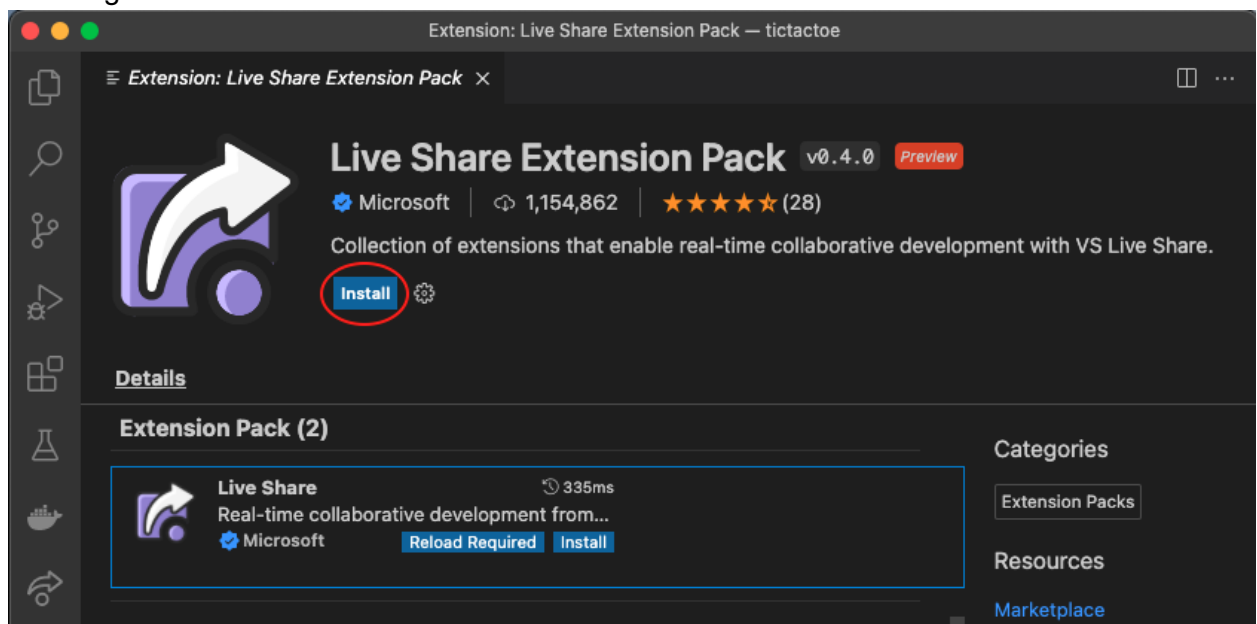


## VS Code Live Share

In this class, we will be using the VS code Live Share feature to help in office hours and recitations. This feature will allow course staff to view and debug your code virtually, so that we can effectively help with assignments while still maintaining social distancing or through Zoom. Please follow this guide to install VS Code Live Share and learn the basics of using it.

### Installation (mac, windows, linux)

1. Make sure you have already completed the VS Code installation, the tutorial for which can be found in HW0.
2. Follow this link: <https://aka.ms/vs1s-dl/vscode> and click the install button. If a popup appears press "Open Visual Studios Code"
3. The following page should now be open in VS Code, press the install button circled in the image:



4. When you click on the extensions tab (restart or reload may be required), you should now see that Live Share and Live Share Audio are installed. For this class we will not use the Live Share Audio, as we will be using zoom to communicate instead.
5. You should also see another tab on the left side of the screen with the Live Share symbol on it. Click this to begin using Live Share.





## Signing in with GitHub:

You will need to sign into Live Share with a GitHub account. To get setup with an account on GitHub for the first time, using the following link:

<https://github.com/join>

You will need to enter an email address, user name, and password. **Sign in with your [identikey@colorado.edu](mailto:identikey@colorado.edu) email address, set a username and password, then click sign up.** Please save this information, you will need it in the future.



Join GitHub

Create your account

Username \*

Email address \*

Password \*

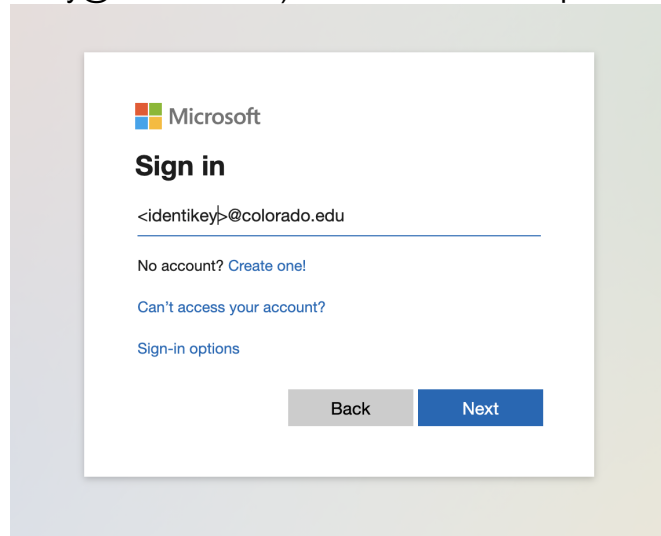
Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)

Email preferences

☒ Send me occasional product updates, announcements, and offers.

## Sign in with Microsoft:

Alternative to the GitHub sign in, you can sign in using Microsoft - which doesn't require you to set up any account. You just have to login in the Microsoft suite SSO using your identikey email as follows (identikey@colorado.edu) and the associated password.



## Using VS Code Live Share

### Connecting to Others:

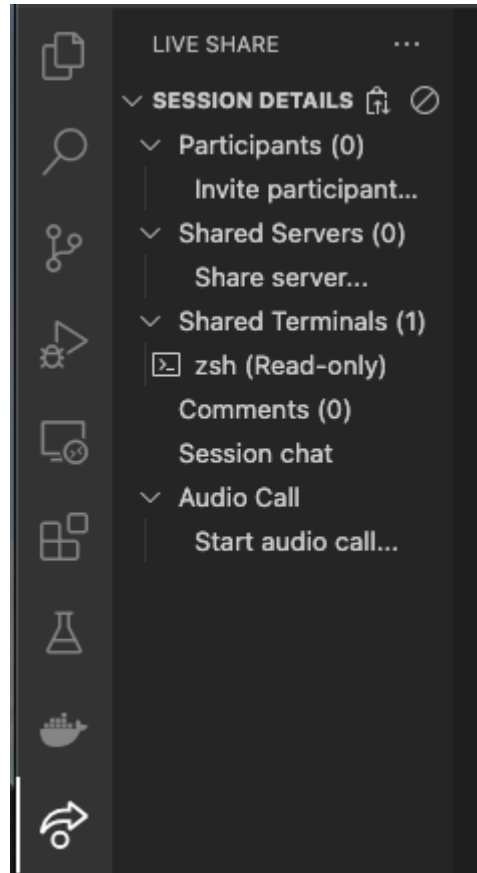
Recitation Leaders may occasionally ask you to join their Live Share in order to work on a collaborative project in recitation. If this occurs, simply click the link that they will provide and join the session. You will be allowed to edit the document, but will be prevented from creating your own documents or compiling things in the terminal.

### Sharing Your Work:

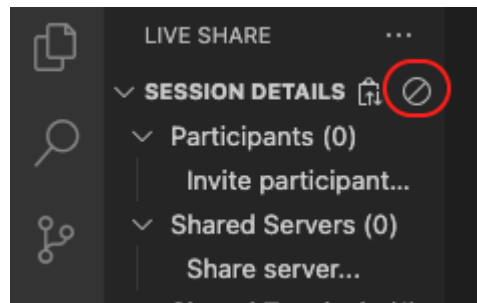
When you wish to have course staff look at your code, you will be responsible for creating the Live Share and sending them the link. To do so, navigate to the tab shown in part 5 of the Instillation above, and click the "Share (read/write)" option. (If Windows firewall popup occurs, click accept). If you need to generate the link again, click on "Invite participants" under Session Details in the Live Share pop-up tab.

- a. A notification should appear in the bottom right corner stating that the invitation has been automatically copied to your clipboard. Send this link to the person you are working with, using a zoom private chat or email if this is during a live recitation.
- b. Make sure that the document you wish to have them look at is already open in VS Code. If you know that the error is in a particular place, please add a comment marking it or inform them of the line number in order to make debugging as easy as possible. Additionally, please have a terminal window already open (you can do this by clicking the "Terminal" button in the toolbar and selecting "New Terminal").
- c. Note that when you open a terminal window, it is opened in read only mode, as

seen below. This means that Course staff will not be able to work in the terminal. If you wish to keep it that way, that's alright, but please make sure that you are ready to compile and run your code throughout the process. If you are comfortable with having course staff compile things on your computer, then right click (or two finger click for a mac trackpad) on the line that says "bash (Read-only)" and select the "Make Read/Write" option.



- d. When you are finished sharing your code, navigate to the "Session Details" line and click the red cancel button that appears when you hover over it, labeled "Stop Collaboration Session." This will close your share session.



**\*\*\*Please note that sharing code with fellow students is an honor code violation, and this includes using VS Code Live Share to work with your peers on individual homework and other individual assignments. Make sure that you are using this software responsibly.\*\*\***