



Git guide for visual studio

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Welcome to the Dragan Talamh guide for using git in visual studio code with team explorer.

To get started you want to open the extensions tab, then going into the “online” tab and hitting “download” on “GitHub extension for visual studio”. Once you are all set up and ready you should see a new “Team Explorer” tab new to your “Solution Explorer” tab. This is how you will manage your interactions with git through visual studio.

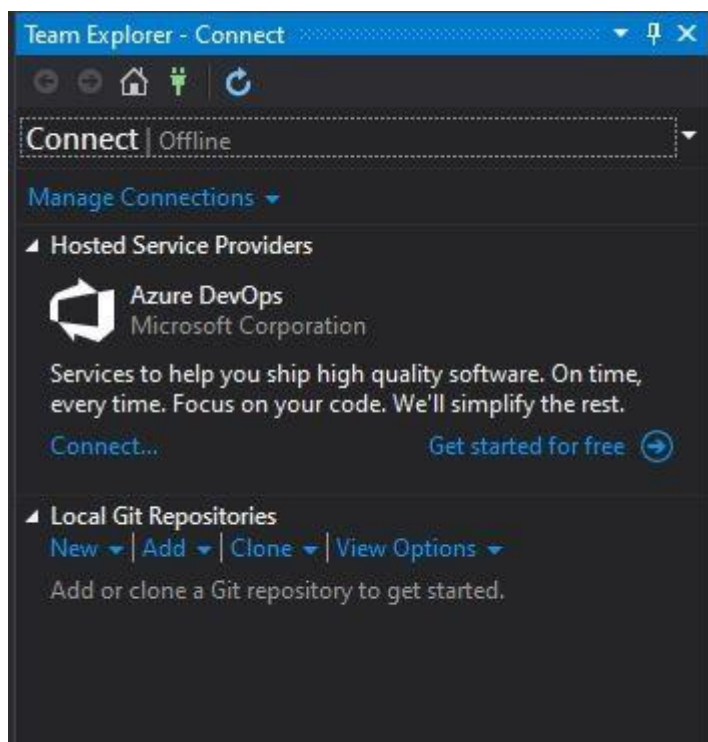
This is your front screen when looking at your team explorer. Looking at the “Local Git Repositories” you can see 4 options. New, Add, Clone, View Options.

New will prompt you to make a new local repository

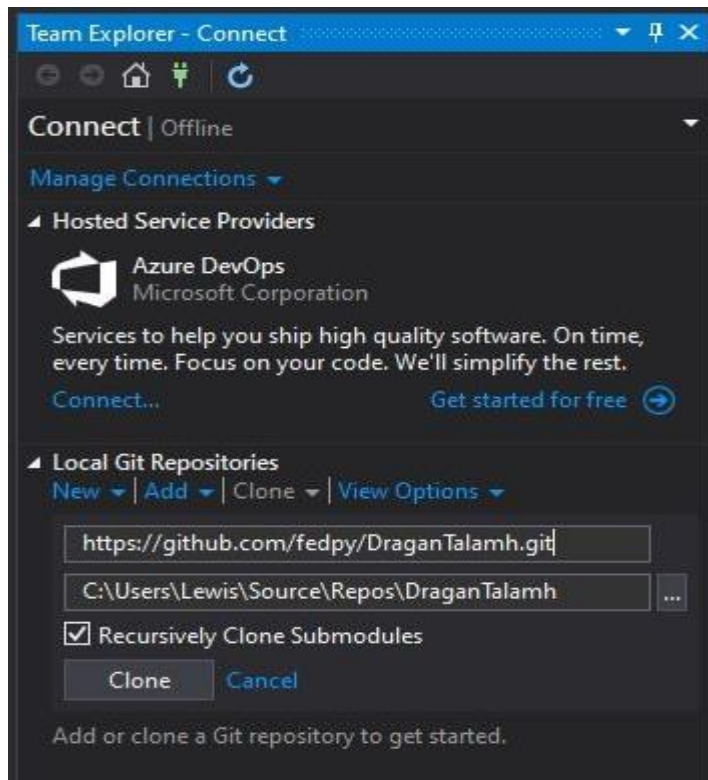
Add will add a new repository or add to a pre-existing one

Clone will prompt the user to enter a link to a GitHub repository.

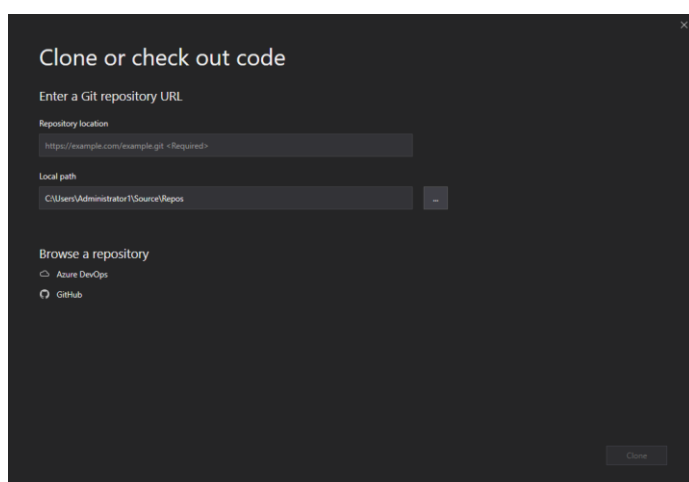
View options will ask the user if they want to show or hide all repositories.



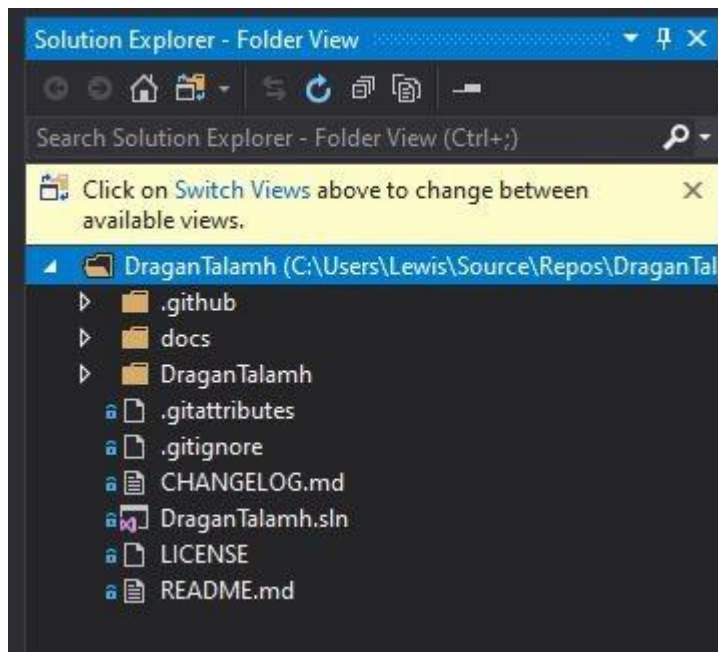
With the link from the dragan talamh GitHub page <https://github.com/fedpy/DraganTalamh>. You can paste in the git clone link and then pressing clone will clone the remote repository and make a local repository on your machine. Once set up you are all ready to start working on dragan talamh.



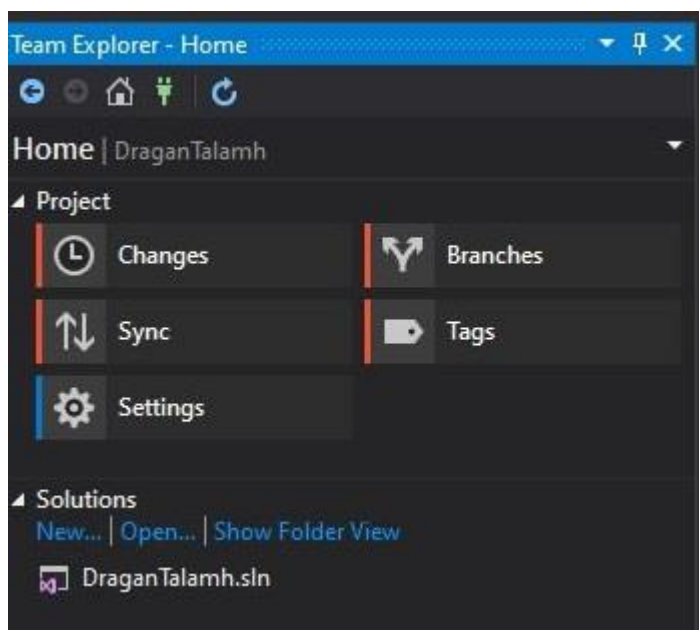
When getting started when hitting the clone option, you will be shown the above menu, by copying the clone link in the GitHub page <https://github.com/fedpy/DraganTalamh>. You paste the link into the Repository location field. And click clone on the bottom right of your screen and it will clone the repository into the local path which would be your repos folder.



When cloned you should see the file structure including everything from solution files to libraries and class files. From here you can add any files you need or modify any existing ones.



This is your git menu, which allows you to commit changes from your “Changes” page, view branches and check them out from “Branches”, “Sync” allows you to push, pull and fetch. Pushing moves your committed changes up to the remote repository but this should only be done under senior supervision as to try mitigate damages of merge conflicts and potential loss of progress. Pulling and fetch pull and changes in the remote repository and brings your repository in line with the most updated version of the program.



When the branches tab is selected in the team explorer menu. From here you have several options. You can:

- Create new branch using the “new branch” option which will allow you to make a new instance of the current branch which would allow you to demo new features or test out changes without affecting the larger
- Merging is an advanced tool, you can merge two branches together using the merge option. This will merge another branch into your currently selected branch.
- Rebase is an advanced option which should only be used by experienced members.
- Actions allow you to open the repo in the file explorer and open the command prompt in the currently selected repo.

In the active repositories section, you can view all branches of the project. you can tell which branch you are currently in by the branch name being in bold. You can change/checkout branches simply by clicking on the branch you want to check out.

