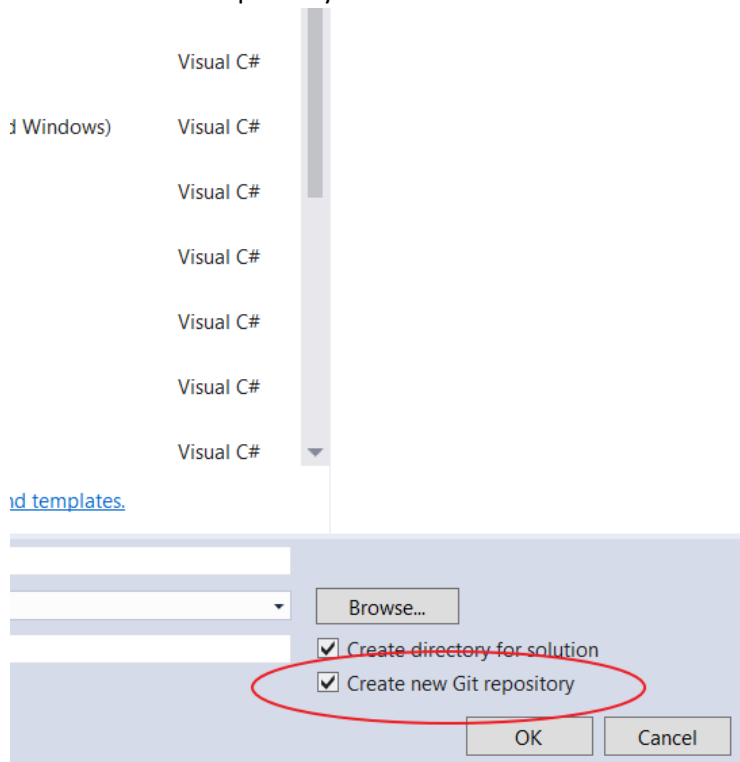


Guide to Visual Studio 2015 and GitHub

1. First, you need to create a GitHub account. Sign up to GitHub and create an account for yourself. Remember the user ID and password.

Setting up GitHub for new project

2. When you create a new project in Visual Studio, make sure that you tick the checkbox to create a new Git repository



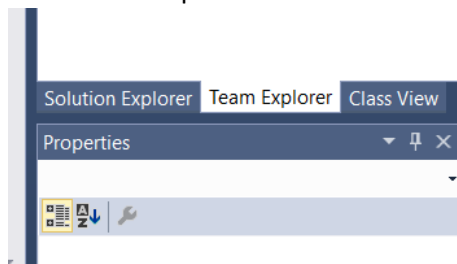
3. You can choose to publish your project now, or you can publish your code after you are done making your first change. Go to “Publishing your project” section.

If you have an existing project

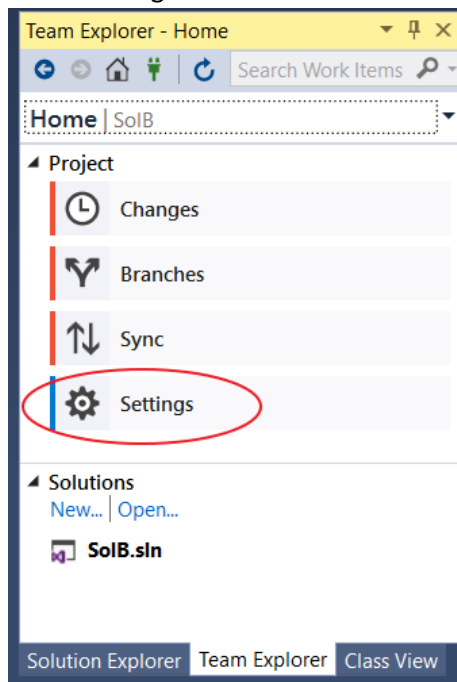
4. If you have an existing project and you didn't check to create new Git repository when you created the project, you can create a new Git repository in the following way.
5. From the menu, select File > Add to Source Control
6. Now your project has been added to source control (Git).
7. Proceed to “Publishing your project” section

Publishing your project

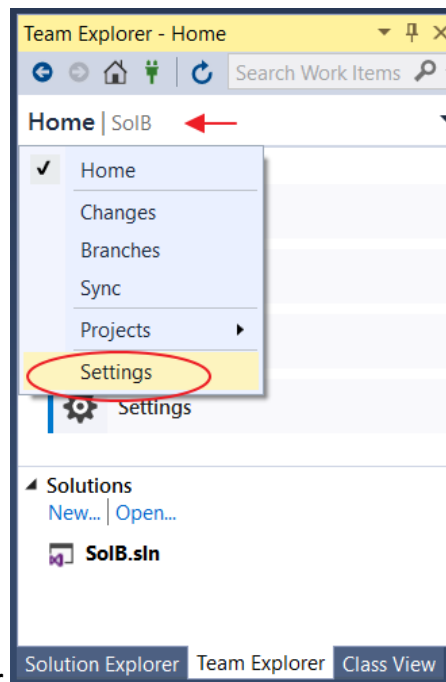
8. Go to Team Explorer



9. Go to Settings

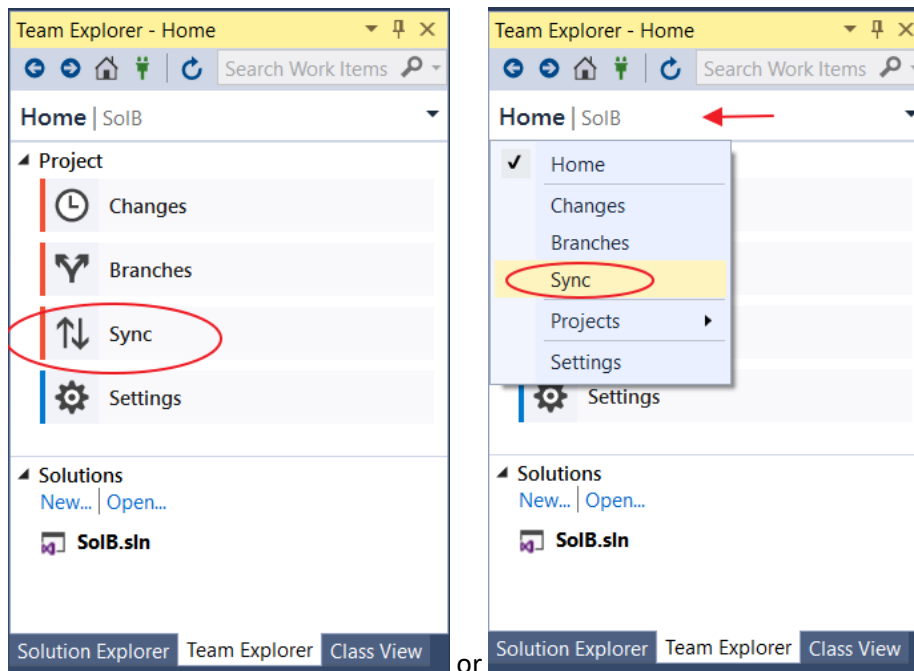


or



10. Go to Global Settings and setup your user name and email address. You can set any value here and it does not have to be the same as your GitHub username/email.


11. Go to Sync tab in Team Explorer




12. Look for the button Publish to GitHub. Enter the name of the repository that you want to publish (default to your solution name) and the description and click Publish button. Your project is now published. You can check by going to GitHub and check the list of repositories under your user.

Publish | SolB

Publish to GitHub

 This repository does not have a remote. Fill out the form to pu...

GitHub

 yunghans

SolB

Description (Optional)

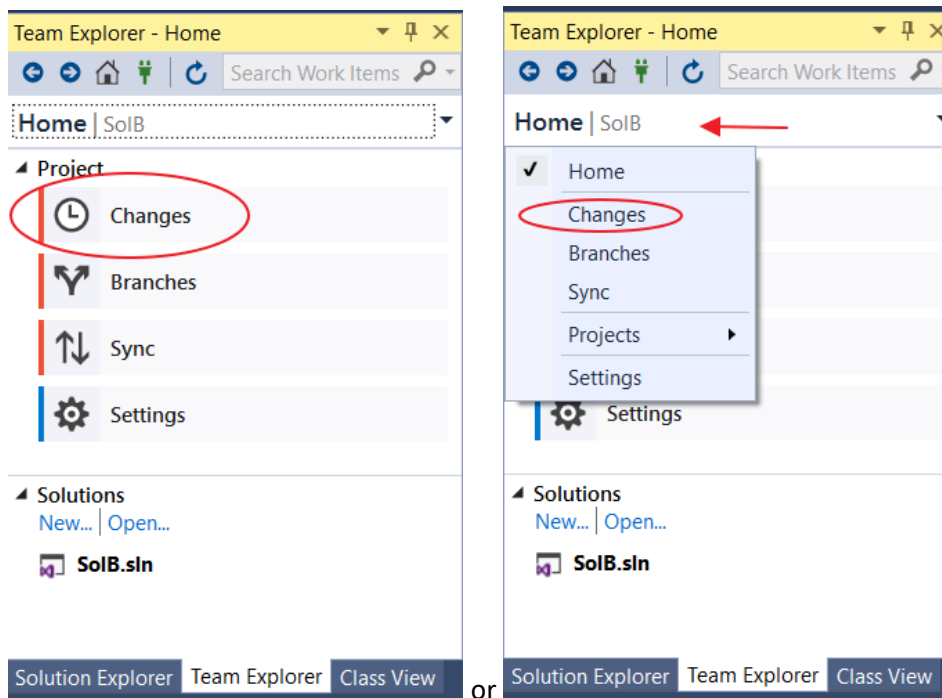
☐ Private Repository

Publish

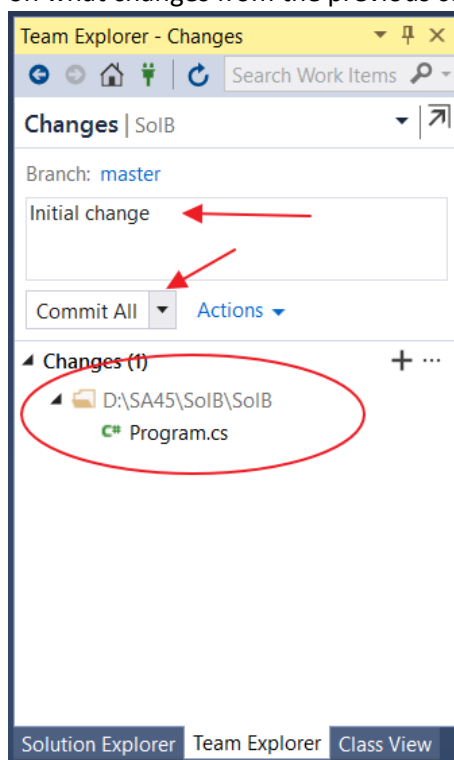
13. Now, every time you make further changes to the code and would like to push the change to GitHub, you can perform "Committing the change to GitHub" explained in the next section.

Committing the change to GitHub

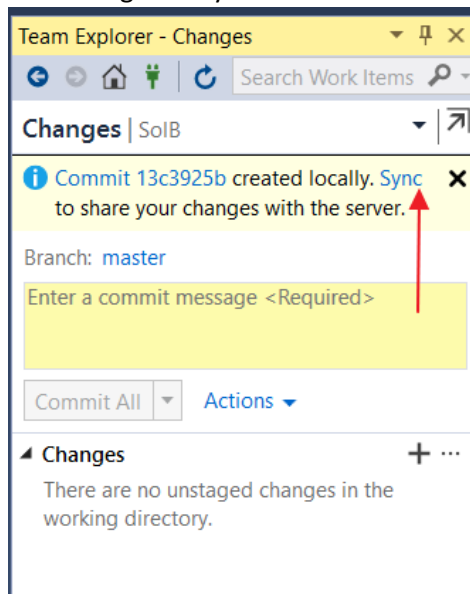
14. Go to Changes tab in Team Explorer



15. Changes tab shows all the changes that you made. Make sure you provide some description on what changes from the previous commit. Then click on “Commit All” button.



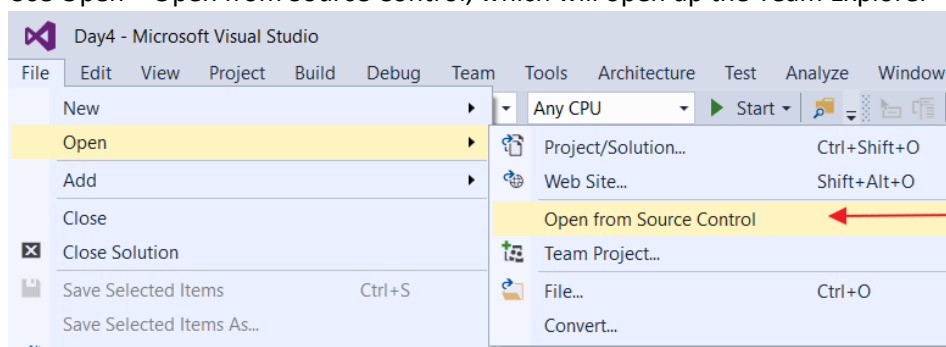
16. Once you committed, you will see the “Sync” link. Click on it to go to the Sync tab. You can also change to “Sync” tab from the tab bar.



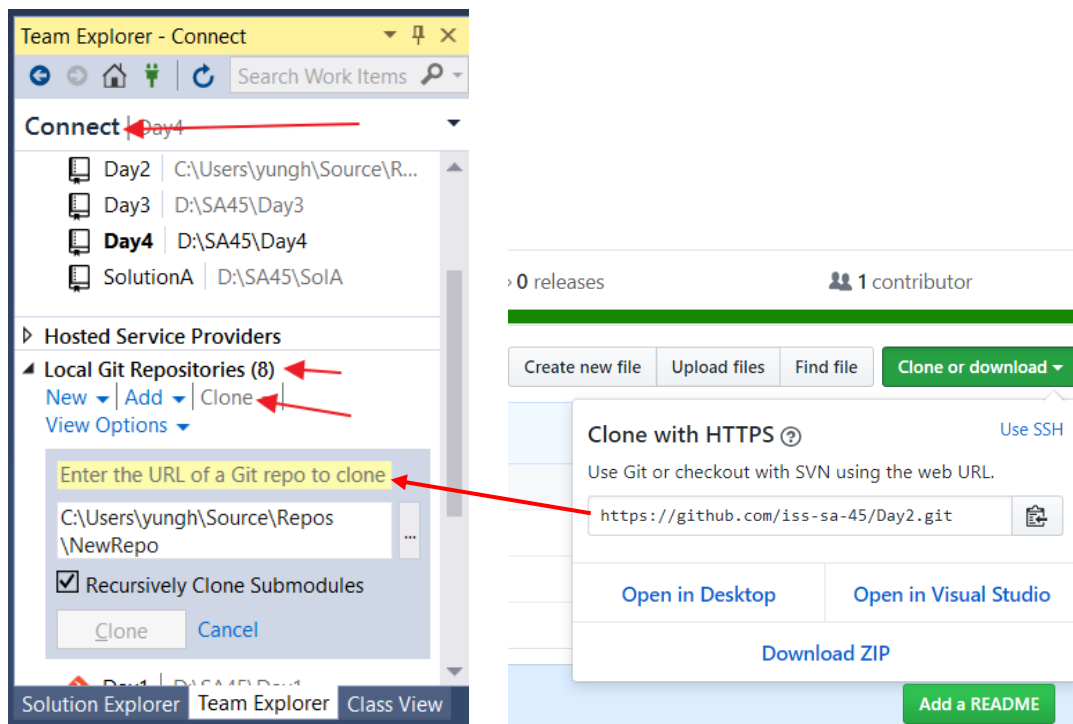
17. Click on “Push” to push your changes to GitHub, and/or pull to retrieve the latest change from GitHub. When you work in a team, please make sure that you pull latest changes regularly to avoid working on an old version of the code and push your stable change once you are done with a task.

Opening a project in GitHub in another computer

18. You may need to open a project published in GitHub in another computer. To do this, first, open Visual Studio 2015.
19. Use Open > Open from Source Control, which will open up the Team Explorer



20. You should be in the Connect tab. If not, go to Connect tab. Look for Local Git Repositories and click on Clone link. There are two textboxes that you need to fill in. Put the Git URL from the GitHub project that you want to clone in the first one and put the folder where you want to store the project in the second one.



21. Once you click “Clone” you should be able to open the project in Visual Studio or by using Windows Explorer and double-click on the solution file.

Collaborative Story GitHub Game.

1. Form a team, and agree on a sequence.
2. The first person in the sequence should create a new project and publish it to GitHub.
3. The next person should clone the project (if you don't have the project yet) or pull the latest changes (if you have cloned the project before) and add a line which will print out a sentence that is part of a story. Run the program to make sure that it can run. Commit this change and then push the changes to GitHub.
4. Repeat step 3 for the next person in the sequence until you are happy with the story.