

How to Merge Branches in TortoiseGit

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The task of merging branches where separate features are developed and combining them into the main branch is an essential part of using Git. TortoiseGit is a helpful GUI for managing a Git project. It provides a simple interface for complex operations such as merging branches.

Merging in TortoiseGit

There are two main ways to merge branches in TortoiseGit:

Method 1 - Merge another branch into the current branch

1. In File Explorer navigate to your Git repo location and right-click on the repository directory.
2. Ensure you have checked out the branch that you want to merge changes into.
3. In the context menu navigate to **TortoiseGit > Merge**.
4. In the following window under **From > Branch** select the branch you want merged into the current branch.
5. Click OK.

Method 2 - Merge when Switching Branches

Using TortoiseGit you can choose which branch you want to merge when switching branches.

1. In File Explorer, right-click on the repository directory.
2. Select **TortoiseGit > Switch/Checkout**.
3. Under **Switch To** select the branch you want to merge changes into.
 - a. For example, if you want to merge changes from **FEATURE-BRANCH-ONE** into **MAIN** branch, check out the **MAIN** branch.
4. In the window that notifies you the checkout has been successful, click **Merge**.
 - a. **Note:** You may need to stash any unpublished changes or resolve merge conflicts before you are able to switch to another branch.
5. In the Merge window under **From > Branch** select the branch you wish to merge into the current branch.
6. Click OK.