

Git Tutorial



Backlog lets you manage projects with Git integration

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Make a conflict

Select your PC environment:

Windows

Mac

Command Line

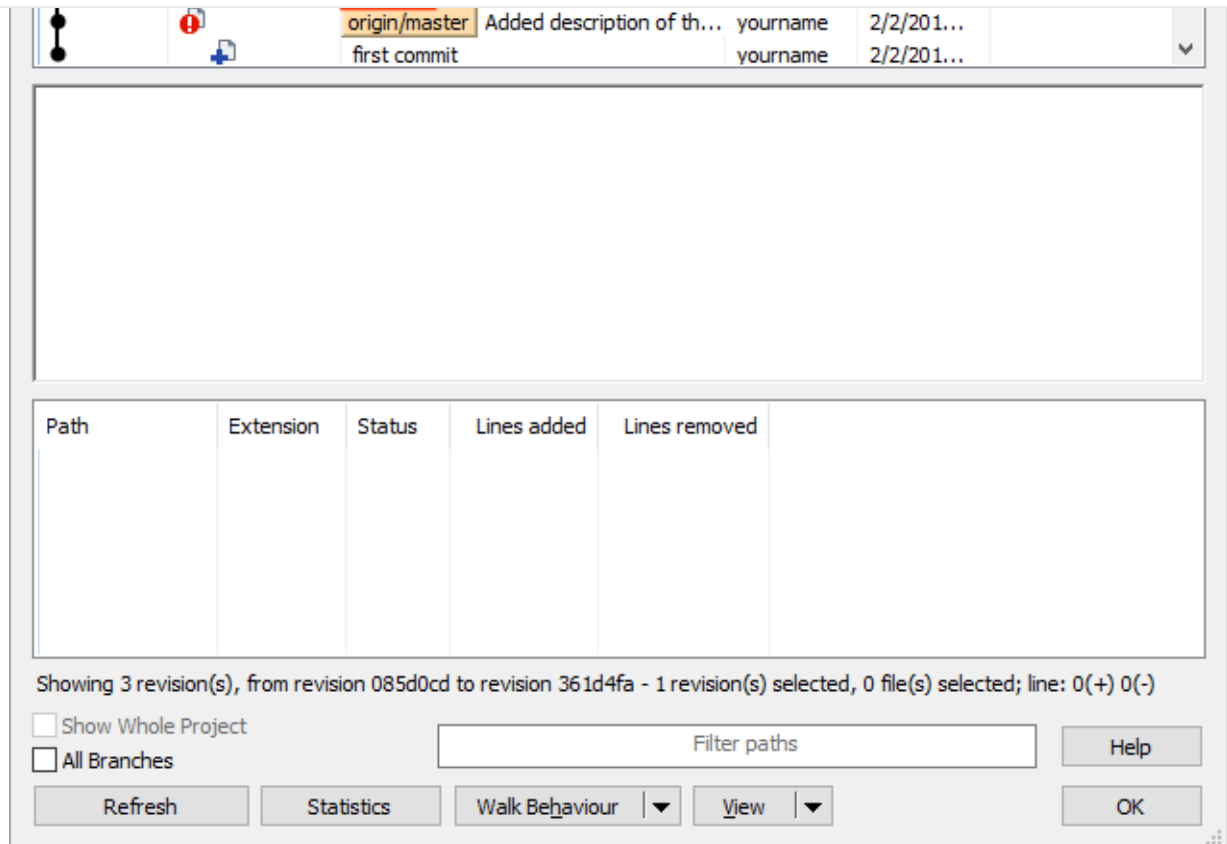
In this tutorial, we are going to learn how to resolve a conflict. In order to do that, we are going to start off by deliberately creating a conflict using our two existing repositories, "tutorial" and "tutorial 2".

Windows

First, open the "sample.txt" file in the "tutorial" directory. Add the bold text below to the file and commit.

```
Git commands even a monkey can understand
add: Register a change in an index
commit: Save the status of an index
```

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Next, open the "sample.txt" file in the "tutorial2" directory. Add the bold text below to the file and commit.

```
Git commands even a monkey can understand
add: Register a change in an index
pull: Obtain the content of the remote repository
```

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The screenshot shows the Git GUI interface. At the top, there's a header bar with icons for commit, push, and pull. Below this, a table shows the commit history:

Commit	Author	Date
origin/HEAD	yourname	2/2/201...
origin/master	yourname	2/2/201...
first commit	yourname	2/2/201...

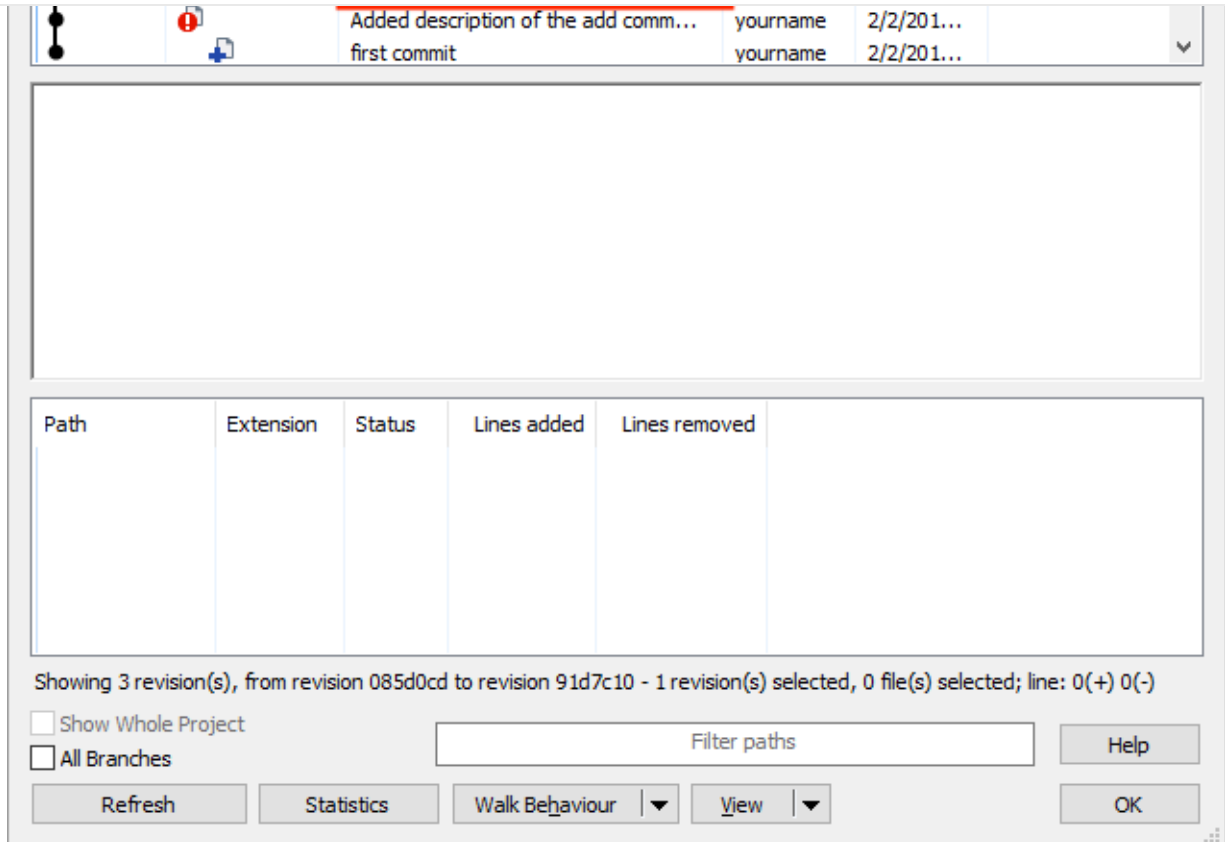
Below the commit history, there's a large empty box for the diff view. At the bottom, there's a table with columns: Path, Extension, Status, Lines added, and Lines removed. Below the table, there's a status bar showing: "Showing 3 revision(s), from revision 085d0cd to revision 91d7c10 - 1 revision(s) selected, 0 file(s) selected; line: 0(+) 0(-)".

At the bottom of the interface, there are several buttons and a search bar:

- ☐ Show Whole Project
- ☐ All Branches
- Filter paths
- Help
- Refresh
- Statistics
- Walk Behaviour
- View
- OK

Now push the change from "tutorial2" to the remote repository.

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The screenshot shows the Git GUI interface. At the top, there is a commit history table with the following data:

Commit Hash	Message	Author	Date
085d0cd	Added description of the add comm... first commit	yourname	2/2/201...

Below the table is a large empty box for the commit message. Underneath that is a table with the following headers:

Path	Extension	Status	Lines added	Lines removed
------	-----------	--------	-------------	---------------

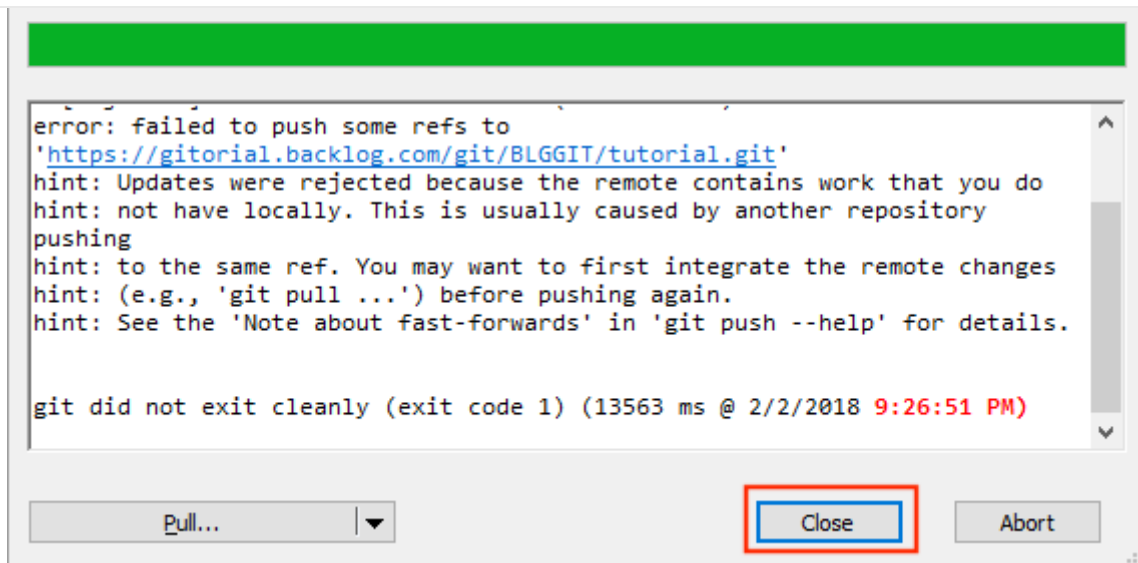
At the bottom, there is a status bar that reads: "Showing 3 revision(s), from revision 085d0cd to revision 91d7c10 - 1 revision(s) selected, 0 file(s) selected; line: 0(+) 0(-)". Below the status bar are several controls:

- ☐ Show Whole Project
- ☐ All Branches
- Filter paths (text input)
- Help (button)
- Refresh (button)
- Statistics (button)
- Walk Behaviour (dropdown menu)
- View (dropdown menu)
- OK (button)

In our current remote repository, the "sample.txt" file contains the third line "pull: Obtain the content of the remote repository" and has been committed in the history log.

Now, we are going to push the commit from our "tutorial" repository to the remote repository.

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As you can see, Git will raise a conflict and reject your push.

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