

## Example Setup

### Mainline Configuration

Branches	Repositories	Filename	Version
Mainline (mainline)	Mainline	File1.txt	2
Branch1	Sub_One	File2.txt	2
Branch2	Sub_Two		

### Branch1 Configuration

Branches	Repositories	Filename	Version
Mainline (mainline)	Mainline	File1.txt	2
Branch1	Sub_One	File2.txt	1
Branch2	Sub_Two		

### Branch2 Configuration

Branches	Repositories	Filename	Version
Mainline (mainline)	Mainline	File1.txt	1
Branch1	Sub_One	File2.txt	1
Branch2	Sub_Two		

## Example Process

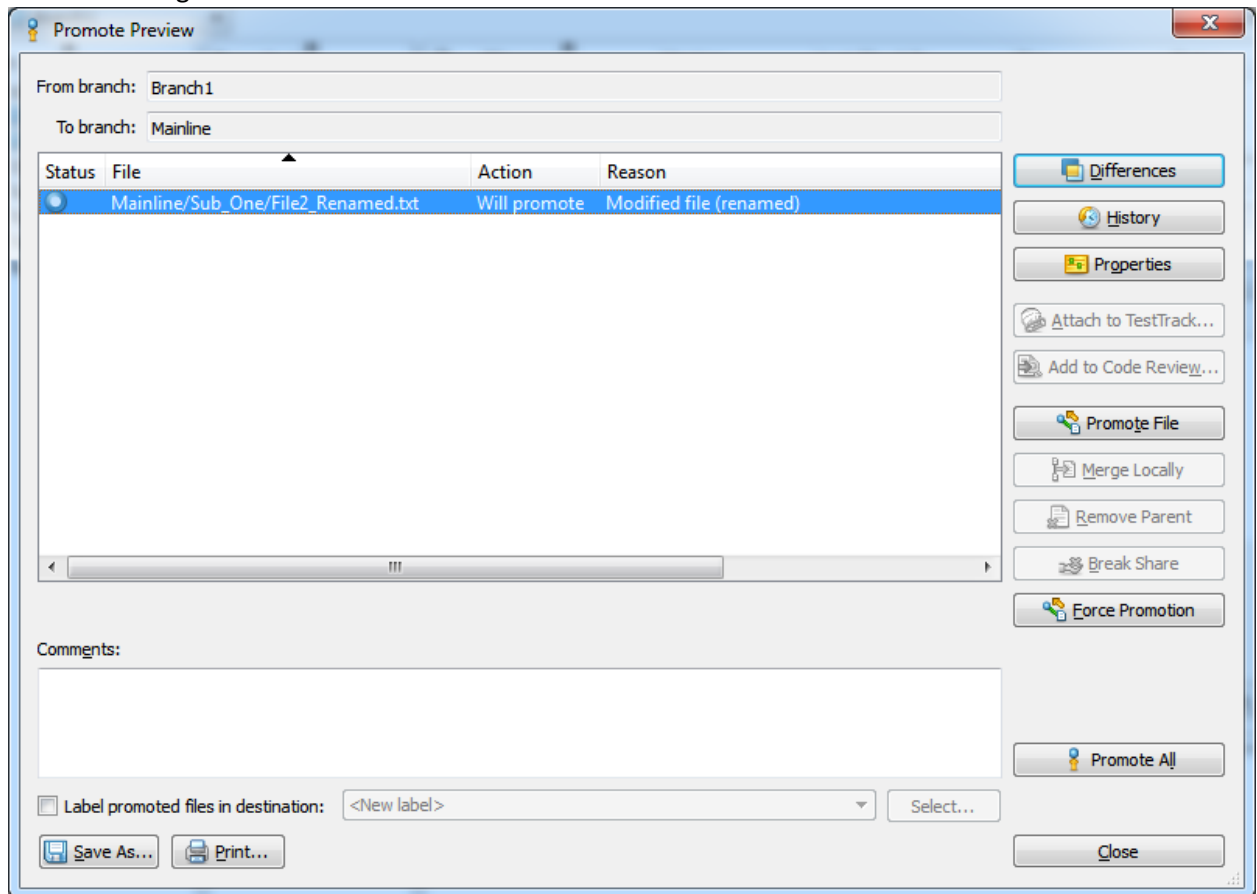
1. Edit Branch1's 'Mainline/Sub\_One/File2.txt'

Branches	Repositories	Filename	Version
Mainline (mainline)	Mainline	File1.txt	2
Branch1	Sub_One	File2.txt	2
Branch2	Sub_Two		

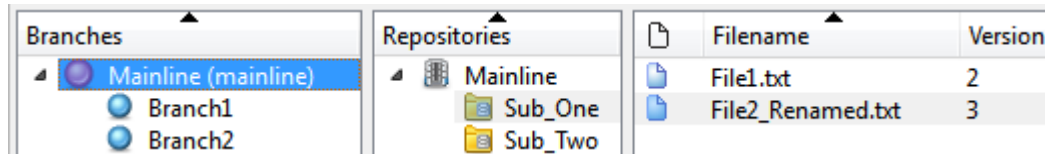
2. Rename Branch1's 'Mainline/Sub\_One/File2.txt' to 'Mainline/Sub\_One/File2\_Renamed.txt'

Branches	Repositories	Filename	Version
Mainline (mainline)	Mainline	File1.txt	2
Branch1	Sub_One	File2_Renamed.txt	2
Branch2	Sub_Two		

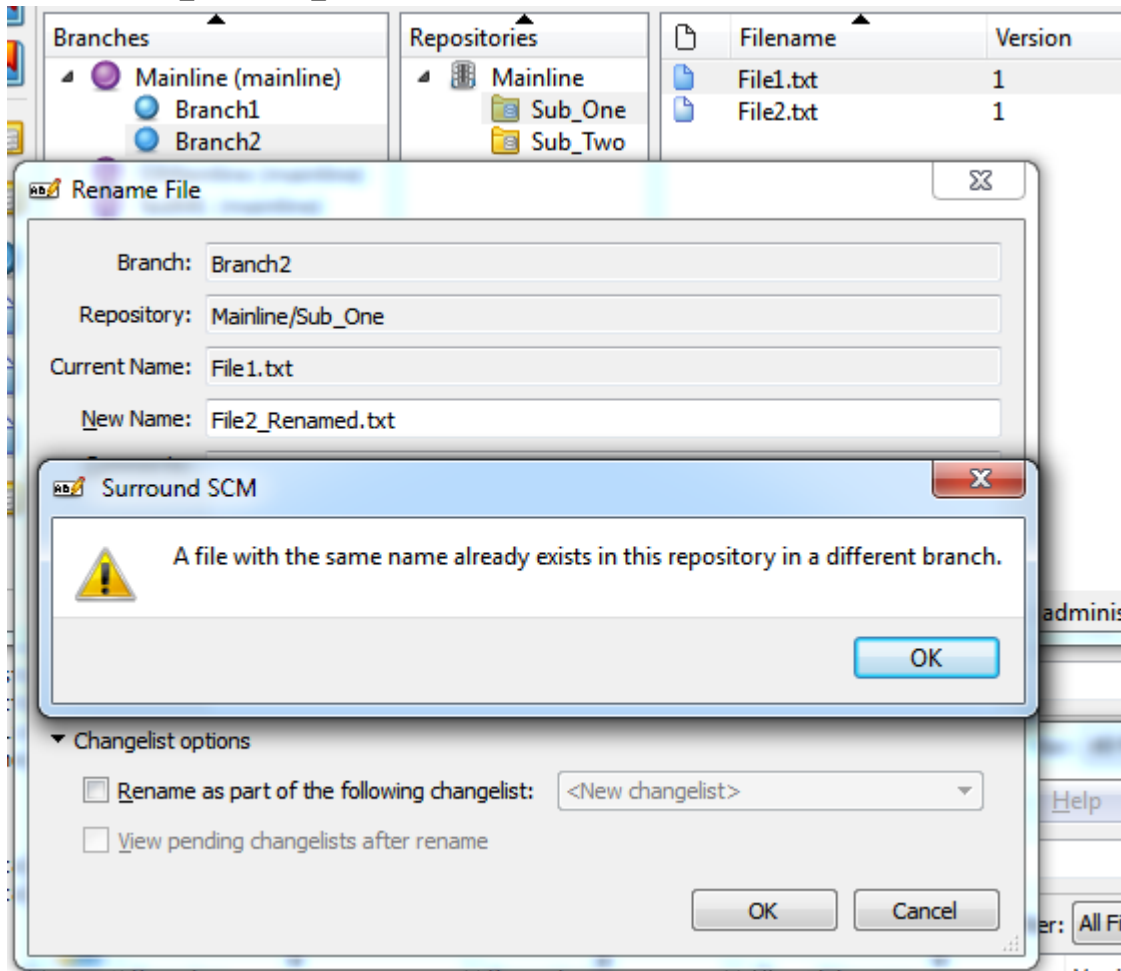
### 3. Promote changes from Branch1 to Mainline



Notice, since File2\_Renamed.txt on Branch1 and File2.txt Mainline are the same file, changes from 'Mainline/Sub\_One/File2\_Renamed.txt' on Branch1 are promoted to 'Mainline/Sub\_One/File2.txt' on the Mainline, including the rename operation.



4. Now, on Branch2, try to rename “Mainline/Sub\_One/File1.txt” to “Mainline/Sub\_One/File2\_Renamed.txt”

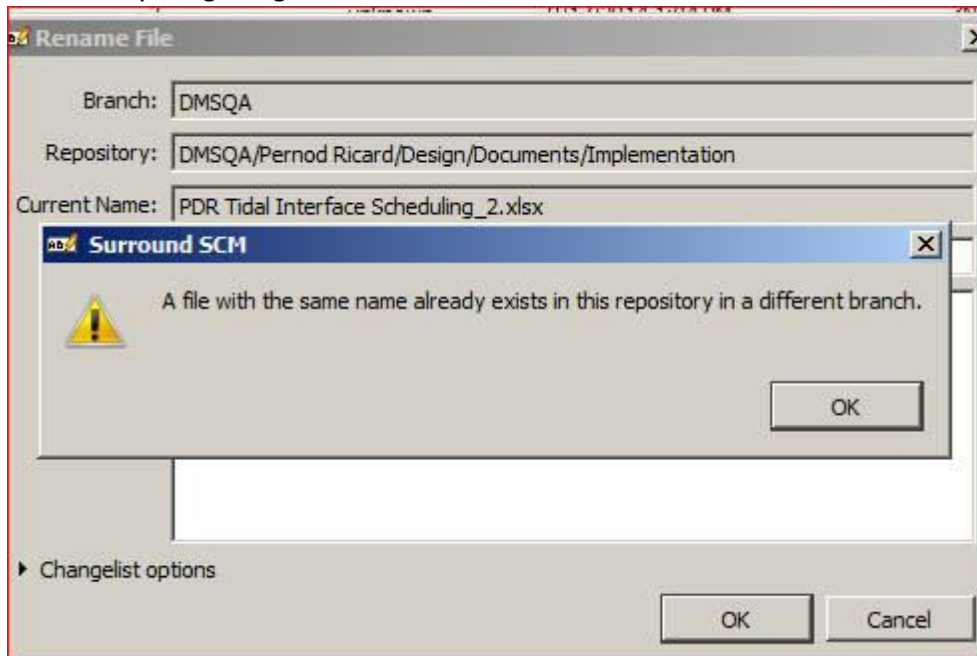


## Discussion of the Example

Surround SCM keeps track of the different names that a file is known by on all branches in order to prevent a user from creating a name that could cause conflicts when they try to promote or rebase changes between branches.

Internally, Surround SCM knows that “File2.txt” on Branch2 is really known by “File2.txt” and “File2\_Renamed.txt” across all branches. Therefore, if a user tries to rename some other file to “File2\_Renamed.txt” at that same location, Surround will display the error message.

For this customer, they are essentially in the state described in the example. When they try to rename the file they are getting the error:



The reason the user is getting this error is because as the example illustrated, the Surround SCM Server knows that on some other branch, there is already a file with the name the customer is trying to rename too.