

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

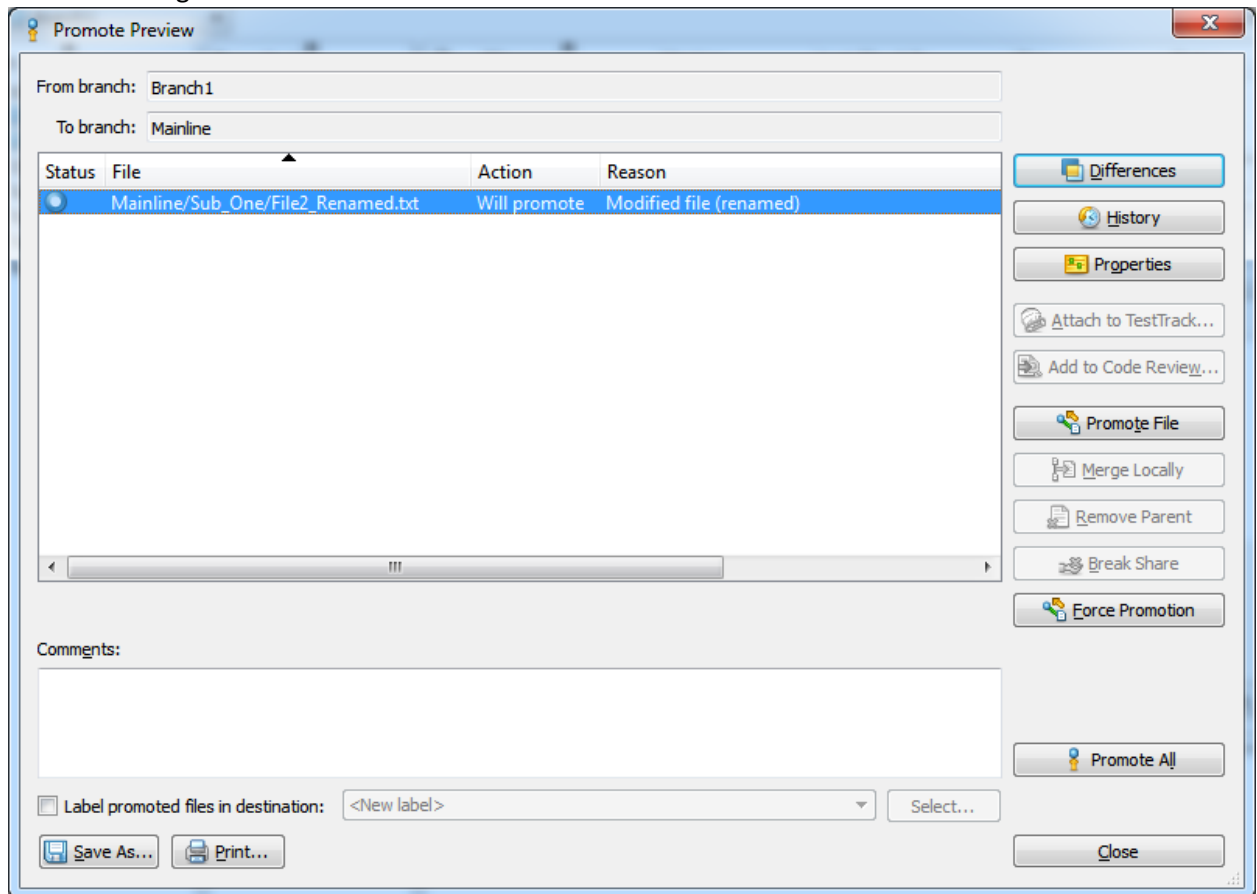
1. Edit Branch1's 'Mainline/Sub_One/File2.txt'

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		

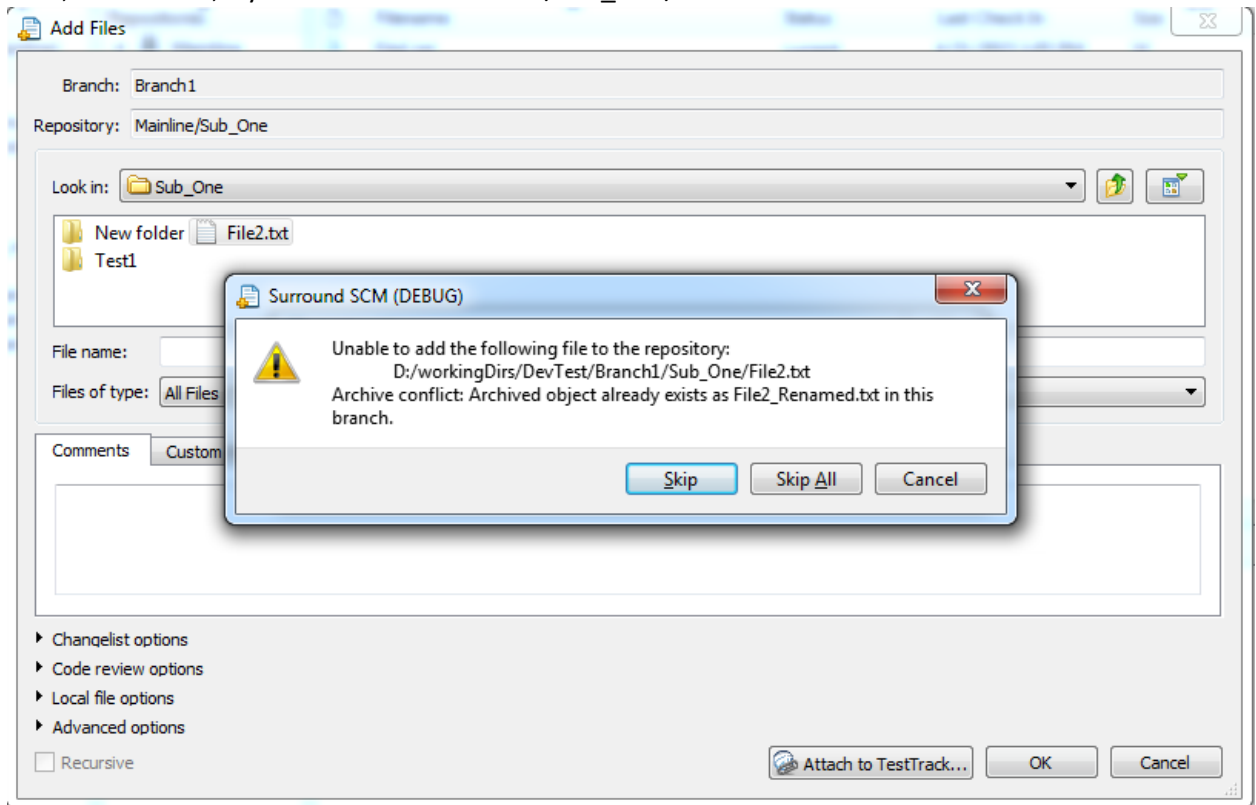
3. Promote changes from Branch1 to Mainline



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.

Branches		Repositories		Filename		Version
Mainline (mainline)		Mainline		File1.txt		2
Branch1		Sub_One		File2_Renamed.txt		3
Branch2		Sub_Two				

4. Now, on Branch1, try to add a new “Mainline/Sub_One/File1.txt”



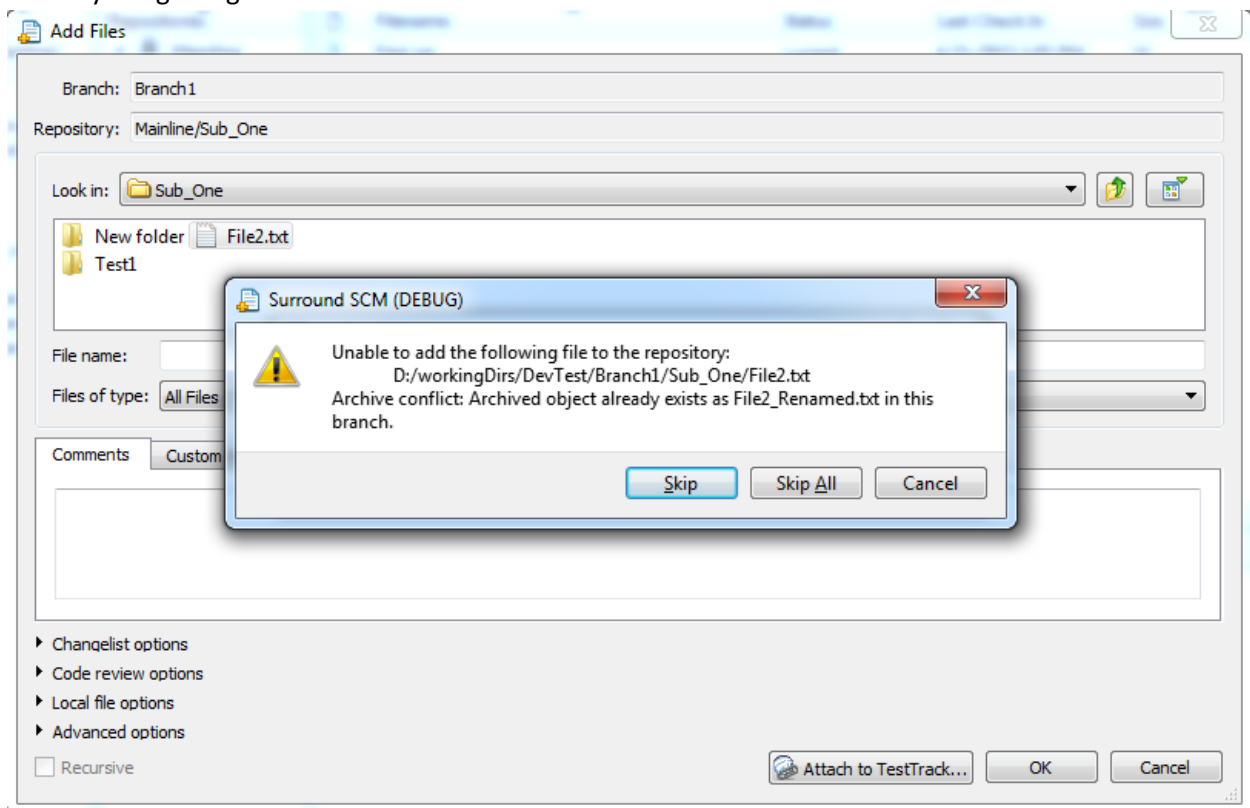
The reason for this error is explained below in the “Discussion of the Example” section.

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_Renamed.txt" on Branch1 is really known by "File2.txt" and "File2_Renamed.txt" across all branches (It is still known as "File2.txt" on Branch2, while it is now known as "File2_Renamed.txt" on Branch1 and Mainline). Therefore, if a user attempts to add a new file named "File2.txt" to a repository that contains "File2_Renamed.txt", Surround will display an error message.

For this customer, they are essentially in the state described in the example. When they try to add 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 their current branch a file was renamed and now the user is attempting to add another file with the original name.