

Rollback Actions with Regards to File Status

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Menu commands according to file status

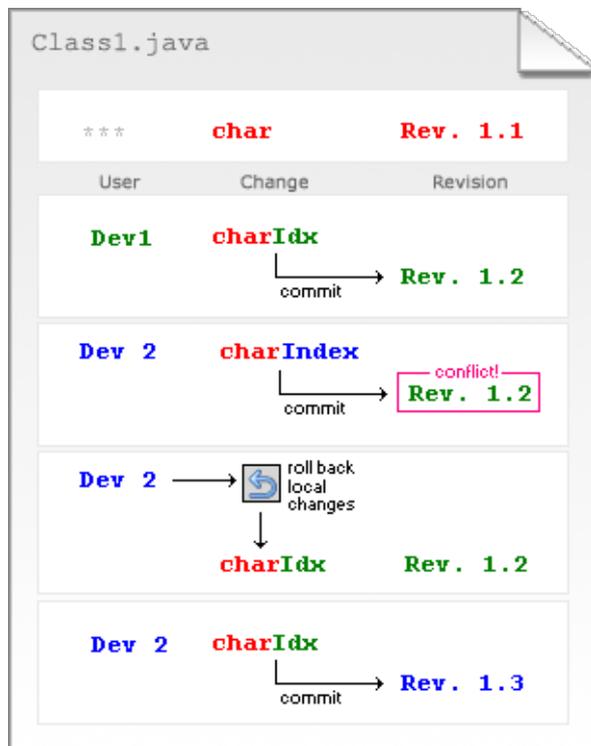
Depending on the file status, the Rollback Changes command will be *aliased* as shown in the following table:

File status	Rollback Command	Result
modified	Rollback Local Changes	all changes made in the file will be reverted, and the file will acquire the <i>up to date</i> status
deleted	Rollback Deletion	file will be restored both on the disk and in CVS with the <i>up to date</i> status
externally deleted	Rollback Deletion	file will be restored on the disk and assigned the <i>up to date</i> status
added	Rollback Creation	file will be deleted from disk
merged	Rollback Local Changes	all local changes will be dropped, changes from the repository will be accepted, and the file will be assigned the <i>up to date</i> status
merged with conflicts	Rollback Local Changes	all local changes will be dropped, changes from the repository will be accepted, and the file will be assigned the <i>up to date</i> status
unknown	Rollback Creation	file will be deleted from the disk

Effect of rolling back local changes

The effect of Rollback Local Changes may not be what you intuitively expect in terms of the revision you have locally after running the command.

The image below represents a file in CVS and a sequence of actions by two developers. It shows a simple example of what happens in terms of the local copy's CVS revision after rolling back conflicting local changes.



Here's what happens:

- The developer *Dev1* takes Revision 1.1 from the repository, modifies it, and commits changes to CVS.
- The developer *Dev2* doesn't know about *Dev1*'s changes and modifies the same code in the local copy of **Revision 1.1**. When *Dev2* commits these changes, he gets a message from CVS that the repository has changed. So he runs Update to synchronize, and his local copy is then updated to **Revision 1.2**, and CVS sets the *Merged with Conflicts* status on the file.
- *Dev2* decides to roll back local changes. He is left with a local copy of **Revision 1.2**.
- When *Dev2* commits the file to CVS, it becomes **Revision 1.3** even though the content is identical to **Revision 1.2**.

See Also

Procedures:

- [Reverting to a Previous Version](#)
- [Reverting Local Changes](#)

Web Resources:

- [Developer Community](#)