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Subject: Re: GIT

Posted by [Didier](#) on Mon, 25 Jan 2010 22:19:37 GMT

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Hi,

I started using DVCS's more than 10 years ago with RIP TEAMWARE, the Solaris (I think ) version for DVCS wich doesn't exist any more (Their build environment is not maintained any more ).

Since then I used Clearcase/CVS/SVN and now HG.

The main concept about DVCS that you need to catch is the cloning part:

When you clone a project you don't only get a copy, you get a LINKED copy with local history, with which you can exchange history data (push/pull) and make merges if you want.

You can also exchange changesets (==history data) with any other clone, through http for example, as long as it has the same base history.

==> this allows you to give or receive from another developer selected changesets/branch or complete history update WITHOUT disturbing the main repository.

==> this gives a handy way for a distributed team to share changes before they are actually pushed to the main repository.

And when the changes are finalised, all that has to be done is to push them up to the main repository and there will be no conflicts !

This is the other great part about DVCS, all the conflicts are solved locally.

Of course with enhancements like in HG and GIT you can do exactly the same with local branches. But even then, these branches can also be exchanged with other clones.

My experience shows me that this is the only way that allows an easy management of complex merges between many developers where history can get very complex.

Once you have tasted DVCS and really learned to use it at its full power, you cannot come back no matter which DVCS you are using !!!