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Quick reference for CVS users moving to SVN

The LHCb code is kept in a Subversion [repository](#) (currently being migrated from CVS).

For instructions about the usage of the SVN repository, look at [SVNUsageGuidelines](#).

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commands

cvs	svn	Description
update -A	update	update your local copy to what is on the head
-N update -A	info	the status of the local repository and what's on the head
diff	info	if you just want to know what the current revision is
diff -r	diff -r	difference to a separate revision, or between two different repository locations handy link

tagging

Users do not need to tag anything in SVN, the revision number you get when modifying the SVN repository is the same.

Release managers can use the basic `svn cp`, `svn rm`, etc commands to fiddle around with the tags rather than the trunk, and/or can use the `tag_package` script to copy the current trunk to the tags directory.

I have a problem committing, what's wrong?

Do you see this:

```
svn: Commit blocked by pre-commit hook (exit code 1) with output:  
Cannot modify files in tags directories
```

??

If so you've probably done the getpack of the tag instead of the trunk. Not a good idea unless you want to create a branch, because create a branch is what you've just done, unknowingly.

To display the path used:

```
> svn info  
URL: svn+ssh://svn.cern.ch/repos/lhcb/...A.../tags/...B.../vXrY
```

You have two choices:

1. Getpack the trunk instead and make your changes there
2. Try to merge your changes with svn

For (2) first switch to the trunk:

```
> svn switch svn+ssh://svn.cern.ch/repos/lhcb/...A.../trunk/...B...  
> svn update  
#fix conflicts, if this is not possible, you've made a branch, get in touch with the release mana
```

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```
> svn resolved file_with_conflict.cpp
> svn commit -m 'merged my changes onto the trunk'
```

-- RobLambert - 22-Apr-2010

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