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CVS Server Side

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■ Agenda

- **Initialize CVS Repository**
- **CVS Check Out**
- **Edit Checked Out File**
- **Update CVS and Commit Changes**
- **See Changes in CVS**
- **See Changed Lines in CVS**

■ Questions and Answers

Initialize CVS Repository

- #make the directory to be storing cvsroot into
- cd \$HOME
- mkdir cvsroot
- chmod 1777 cvsroot
- ls -al cvsroot
- #make sure that CVSROOT points to \$HOME/cvsroot
- export CVSROOT=\$HOME/cvsroot
- #actually create CVS Repository
- cvs init
- #look at all the CVS structure files created
- cd \$HOME/cvsroot
- ls -alRt
- cd \$HOME/bin
- ls
- #will take all the files from this directory and below and
- #import them into cvs found at \$HOME/cvsroot
- cvs import -m "repository test" project_name vendortag v1

CVS Check Out

- #if this directory is not there, create it
- `cd $HOME/new_directory`
- #check out all the files in the project into some new
- #directory. it'll create a subdirectory with the `project_name`
- #and put all the files in it.
- `cvs co project_name`
- #go into the directory with the files checked out
- `cd project_name`

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Edit Checked Out File

- #edit one of the files found there
- \$EDITOR some_file_found
- #place the changes in CVS
- cvs update
- #commit the changes in cvs. if there were more than one file
- # changed which were related to a specific reason, they would
- # all be committed at the same time, and would all share the
- # same commit comment.
- cvs commit
- # now to make sure that you have all the most recent versions
- # of code checked out
- cd \$HOME/new_directory
- # check out the project again
- cvs co project_name
- cd project_name
- \$EDITOR some_file_found
- #should show the new version of the file

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Update CVS and Commit Changes

- #place the changes in CVS
- cvs update
- #commit the changes in cvs. if there were more than one file
- # changed which were related to a specific reason, they would
- # all be committed at the same time, and would all share the
- # same commit comment.
- cvs commit
- \$EDITOR some_file_found
- #should show the new version of the file

See Changes in CVS

- cvs log some_file_found
- will give you a list of the noted changes to the file
- eg.
- -----
- revision 1.2
- date: 2008/03/25 19:45:03; author: castageg; state: Exp; lines: +1 -0
- ***hi this is a change to addfiles.sh***
- -----
- revision 1.1
- date: 2008/03/25 19:43:15; author: castageg; state: Exp;
- branches: 1.1.1;
- Initial revision
- -----
- revision 1.1.1.1
- date: 2008/03/25 19:43:15; author: castageg; state: Exp; lines: +0 -0
- repository test
- =====

See Changed lines in CVS

- `$ cvs diff -e -r 1.1 -r 1.2 addfiles.sh`
- `Index: addfiles.sh`
- `=====`
- `=====`
- `RCS file: /home/castageg/cvsroot/castageg/addfiles.sh,v`
- `retrieving revision 1.1`
- `retrieving revision 1.2`
- `diff -e -r1.1 -r1.2`
- `0a`
- `#add a comment`
- `.`
- `[castageg@coeusdev castageg]$`

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Thanks

- **CVS comes with Linux**

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