

1 CVS Refcard

A short reference of the most used CVS commands and their typical parameters.

1.1 General

You need to specify the repository before using any cvs command.

```
$ export CVSROOT=
"[:method:][[user]@]host:/path"
method pserver | ext
```

E.g. `:ext:paul@cvs.bioinf:/home/cvsroot`

In case ssh authentication (`:ext:`)

```
$ export CVS_RSH="ssh"
```

Specify your favorite editor (preferably commandline). It is invoked for commit comments.

```
$ export EDITOR="pico" # for instance
```

1.2 Import

Import an existing directory *dir*

```
dir$ cvs import module vendor release
module usually dir
vendor your name or company
release release string e.g. start
```

1.3 Checkout

Get a working copy.

```
$ cvs checkout [-p -r tag] module
-r tag revision tag
-P prune empty directories
```

1.4 Update/Status

Update all or parts of the current working copy.

```
dir$ cvs update [-dP] [-r tag]
[files]
-r tag revision tag
-d create directories
-P prune empty directories
```

`-dP` is recommended.

Checking for the status of files:

```
dir$ cvs status [files]
```

1.5 Commit

Apply local changes to repository.

```
dir$ cvs commit [-m msg] [files]
-m msg use msg instead of editor
```

1.6 Add/Remove

Adding a file or directory.

```
dir$ cvs add [-kb] [-m msg] files
-m msg use msg instead of editor
-kb specify file as binary
```

Removing a file or directory.

```
dir$ cvs remove [-fR] files
-f delete files on disk (otherwise
have to be deleted before)
-R recursive
```

1.7 Tag/Branch

Create a symbolic revision used with `-r` switch. Usually used for releases.

```
dir$ cvs tag tagname [files]
```

Creating a new branch

```
dir$ cvs tag -b branchname [files]
```

Merging branch *branchname* into current copy.

```
dir$ cvs update -j branchname [files]
```

1.8 Administration

Init Repository (as root)

```
$ mkdir /path/to/cvsroot
$ cvs -d /path/to/cvsroot init
```

Change settings (e.g. user/passwords, file ext.)

```
$ cvs checkout CVSROOT
```

Customize files like `passwd`, `writers`, ... and commit.

1.9 Emacs

```
C-x v i register/add current buffer
C-x v v update or commit, whatever
is needed
```

1.10 Information

CVS Homepage: <http://www.cvshome.org>

CVS manual page and help:

```
$ man cvs
$ cvs --help {update|add|commit|...}
```

Subversions: <http://subversion.tigris.org>

Arch: <http://gnuarch.org/>

Darcs: <http://abridgegame.org/darcs/>

by Georg Martius, 2005

<<http://flexman.homeip.net>>