

cvs environment for use with the NEXTSTEP java porting effort

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Release Notes #1

This is a **bug fix** release. The initial release contained a bug in the **rcs** binaries; they included a hard-coded path to **/bin/diff**. **/bin/diff** is the diff distributed with NEXTSTEP. It is incompatible with **cvs** and **rcs**. **rcs** has been recompiled using **/usr/local/cvs/bin** as the source of the **diff** binaries.

patch and a new version of **cvs** have both been included in this release.

To update your existing **cvs** environment, replace the existing contents of **/usr/local/cvs** with the contents of the new archive (for this reason, your source repository cannot reside in **/usr/local/cvs**-- if it does, move it out of the way first!). Once installed, evaluate '**cvsinit**' to install the new template files-- this should not adversely alter your existing cvs environment.

The version information contained within this documentation has been changed to reflect the versions now distributed with the package.

Introduction

cvs provides an extremely powerful system for managing revision control across many software projects that may be in active development by multiple developers. There is nothing terribly **NEXTSTEP/Java** centric about the release; it was thrown together to fulfill the needs of the porting effort. Since no effort has been made to properly support the NEXTSTEP development environment beyond the command line (nib files, etc), the title of this document and the context of the packages release has been tied to Java as a reminder of its incompleteness.

What is included in this package?

The archive includes quad-fat builds of **r**cs,**cv**s, and **d**iff-- all software from the GNU archive sites. Because **cv**s hard-wires some of the paths internally, the contents of the archive *must* be installed in **/usr/local/cv**s.

```
6-wellington % diff -v
diff - GNU diffutils version 2.7
7-wellington % cvs -v
```

```
Concurrent Versions System (CVS) 1.6.85 (client/server)
```

```
Copyright (c) 1993-1994 Brian Berliner
Copyright (c) 1993-1994 david d `zoo' zuhn
Copyright (c) 1992, Brian Berliner and Jeff Polk
Copyright (c) 1989-1992, Brian Berliner
```

```
CVS may be copied only under the terms of the GNU General Public License,
a copy of which can be found with the CVS distribution kit.
```

```
8-wellington % rcs -V
RCS version 5.7
9-wellington % patch -v
```

Patch version 2.1

The archive includes all of the **man pages**, **info pages**, **library resources**, and **binaries** installed by the three packages. Also included are **postscript** cvs documentation files. **/usr/local/cvs/bin**, **/usr/local/cvs/man**, and **/usr/local/cvs/info** should be added to the **PATH**, **MANPATH**, and emacs info environment respectively.

The CVS version number listed above does not tell the whole story. The version included in the package was built from the beta development tree released on **January 5, 1996**.

Setting up a repository

Before you can use **cvs**, you must create a repository within which **cvs** will keep track of all project resources. The program **cvsinit** is provided for this purpose. To use, first set the environment variable **CVSROOT** to point to the directory within which the **cvs repository** will be stored. This directory should be empty and should be on a volume with a reasonable amount of free disk space.

For example, for those using **zsh**, the following lines can be added to **~/.zshenv** to make **/LocalDeveloper/Repository/cvs** the default **cvs** repository:

```
CVSROOT=/LocalDeveloper/cvs
export CVSROOT
```

Once the **CVSROOT** environment variable is set, execute **cvsinit**. **cvsinit** will copy template configuration files from **/usr/local/lib/cvs** into **\$(CVSROOT)/CVSROOT/**.

How to use cvs

Pascal Molli has an excellent web page summarizing all the various **cv**s related materials available via the internet. It is an excellent starting place for learning about **cv**s.

`http://www.loria.fr/~molli/cvs-index.html`

Maintenance, Bugs, Support, Etc.

Formally, this package is completely unsupported. It was thrown together to support the NEXTSTEP/OpenStep Java Porting effort. If you have any problems, questions, suggestions, additions, please send them to **<bbum@friday.com>**. Updates will be sporadically released as bugs are fixed, features are added, and the various software packages are updated.

The latest version of this package can always be found on the **ThoughtPort Authority** ftp site:

`ftp://ftp.thoughtport.com/pub/next/tools`
`ftp://ftp.thoughtport.com/pub/next/tools/NeXT-cvs.b.SHIN.tar.gz`

ThoughtPort has been kind enough to provide the space and connectivity that made the creation and distribution of this package possible. If are looking for connectivity or network production services (content and connectivity), visit **ThoughtPort's** web site for information:

`http://www.thoughtport.com/`