CVSTrac 1.1.5 Read Me

Michael Tsai

c-command.com

August 10, 2005

1 Introduction

CVSTrac is a free "Web-based bug and patch-set tracking system for CVS" written by D. Richard Hipp[1]. When I was looking for an issue-tracking tool for my software[2], I especially liked that:

- The interface is simple and uncluttered. It doesn't have a zillion fields that I'll never use, and the default HTML templates are tasteful.

- It has a CVS repository browser[3] and a Wiki[4] that are integrated[5] with the issue tracker[6].

- CVSTrac, once compiled, can be installed as a single file and run with a single command. There's no need to install a database server or edit Apache config files. In fact, you don't need a Web server at all.

- Each CVSTrac database is a normal file that is easy to back up or move to another machine. There's no need to run a special command to "dump" the database to a file.

- When travelling, I can copy the CVSTrac databases to my iBook and run CVSTrac there, even without an Internet connection.

Unfortunately, there was no pre-built distribution of CVSTrac for Mac OS X users. To install it, you had to first download and compile the SQLite 2.8.16[7] database engine and then download and compile CVSTrac itself. This wasn't hard, but it did require a little editing

---

[1] mailto:drh@hwaci.com

[2] http://c-command.com

[3] http://cvs.cvstrac.org/dir?d=cvstrac

[4] http://cvs.cvstrac.org/wiki?p=WhatIsWiki

[5] http://cvs.cvstrac.org/search

[6] http://cvs.cvstrac.org/timeline

[7] http://www.sqlite.org/

of the Makefiles to get the software to compile on Mac OS X. So I built this CVSTrac distribution for Mac OS X users. *Now you can install CVSTrac the Mac way—by dragging and dropping a single file.*

2 Requirements and Installation

CVSTrac requires Mac OS X 10.2 or later I've used CVSTrac on various versions of Mac OS X from 10.2 to 10.3.2. It will probably also work on 10.1, but I've not tested it there. To install:

1. Put the `cvstrac` file wherever you want. I have mine in `~/bin`. If you put it somewhere that's in your `$PATH`, you'll be able to refer to it simply as `cvstrac`.

2. Create one or more CVSTrac databases using:

   ```
   cvstrac init /path/to/a/folder name-of-database
   ```

3. There are serveral different ways to start up CVSTrac[8]. I run it as a CGI using Mac OS X's built-in Web server. First, I edited the file `/etc/httpd/users/mjt.conf` (my username is `mjt`) to say:

   ```
   <Directory "/Users/mjt/Sites/">
       Options Indexes MultiViews ExecCGI FollowSymLinks
       AllowOverride None
       Order allow,deny
       Allow from all
   </Directory>
   ```

   Then I removed the `#` in front of the line:

   ```
   #AddHandler cgi-script .cgi
   ```

   in `/etc/httpd/httpd.conf`. Finally, I created the file `/Users/mjt/Sites/cvstrac.cgi`:

   ```
   #!/bin/sh
   /Users/mjt/bin/cvstrac cgi /path/to/a/folder
   ```

   and gave it execute permissions.

4. The Web server must have permission to read and write to the folder containing the CVSTrac databases. For example:

---

[8]http://cvs.cvstrac.org/wiki?p=CvstracInstallation

```
sudo chown -R www:www /path/to/a/folder
```

5. Now I can open my Web browser to:

```
http://localhost/~mjt/cvstrac.cgi/name-of-database/login
```

   and login using "setup" for the name and password.

3 Links

- [The CVSTrac Web site](#)[9]
- [A Live CVSTrac Server](#)[10]
- [CVSTrac Documentation](#)[11]
- [This Mac OS X build of CVSTrac](#)[12]

4 Legal Stuff

CVSTrac is copyright © 2005 by D. Richard Hipp. The CVSTrac server is released under the terms of the [General Public License](#)[13]. I put together the `CVSTrac-1.1.5.dmg` disk image for Mac OS X users and place it in the public domain.

The software is provided "as is," without warranty of any kind, express or implied, including but not limited to the warranties of merchantability, fitness for a particular purpose and noninfringement. In no event shall the authors or copyright holders be liable for any claim, damages or other liability, whether in an action of contract, tort or otherwise, arising from, out of or in connection with the software or the use or other dealings in the software.

---

[9]http://www.cvstrac.org

[10]http://cvs.cvstrac.org

[11]http://cvs.cvstrac.org/wiki?p=CvstracDocumentation

[12]http://www.c-command.com/tools/cvstrac.shtml

[13]http://www.gnu.org/copyleft/gpl.html