TRAC2SVN

QuickStart Guide

The content of this publication is the property of Clearvision-CM
Reproduction of this content is strictly prohibited © 2007 - 2009

Copyright © Clearvision CM 2009

Contents

1 Prerequisites.....**1/7**
1.1 Request a License.....1/7
1.2 Linux prerequisites.....1/7

2 Setup Trac.....**2/7**
2.1 Install XML-RPC Plugin.....2/7

3 Install & Configure Trac2SVN Server.....**3/7**

4 Install & Configure Trac2SVN Clients.....**4/7**

5 Install & Configure Subversion Hooks.....**5/7**

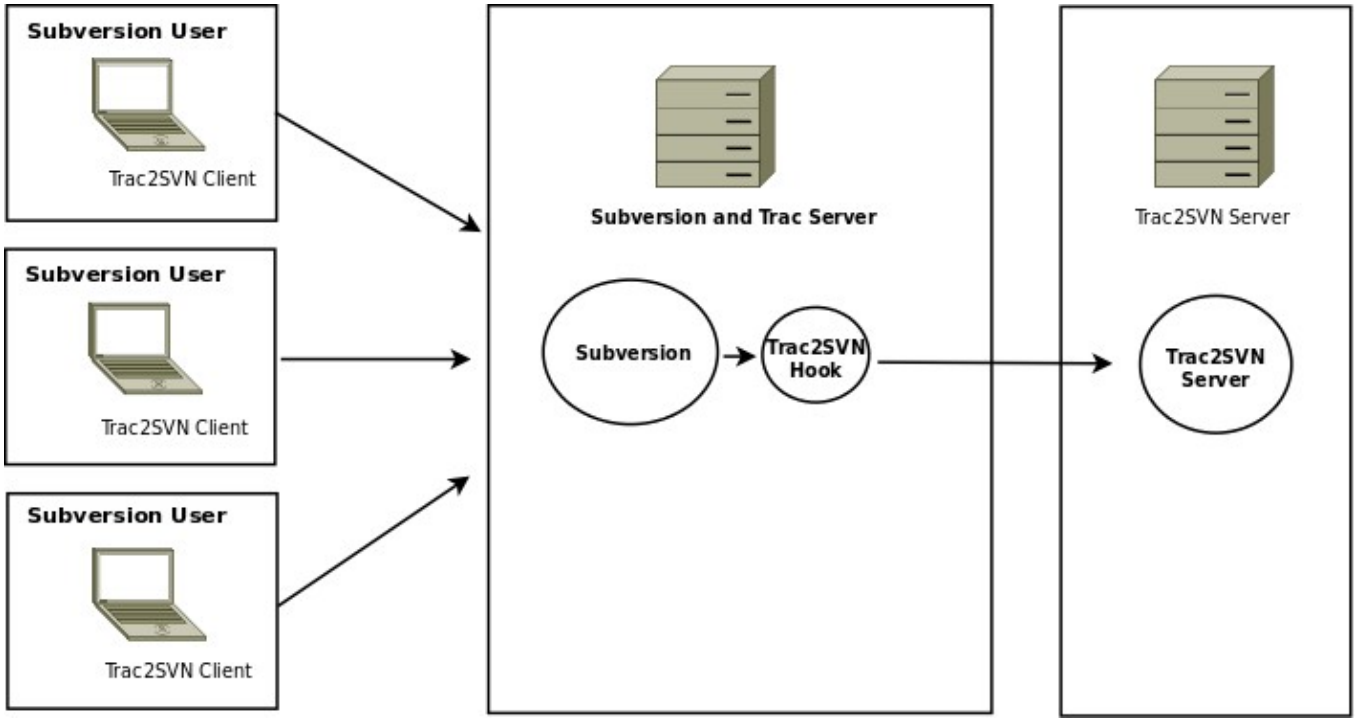
6 Test it!.....**6/7**

7 Verify Results.....**7/7**

1 Prerequisites

Before you start make sure you have the following setup and available:

- A Trac Server that you can administer
- A Subversion Server *with authentication enabled*
- At least one Client machine
- A machine to run the Trac2SVN Server (if desired, you can use the Trac Server machine).
- Note that the Trac Subversion plugin requires the Subversion repository and the Trac server to live on the same host



1.1 Request a License

Unpack the zip file on the machine that you are planning to use as the Trac2SVN Server and run the `Clearvision\tools\get_license_info` program in a DOS command window. Send the information requested to sales@clearvision-cm.com to apply for a license.

1.2 Linux prerequisites

The client executable uses GTK+ on linux, so you might need to install this, for example on CentOS 5 or RHEL 5:

```
yum install gtk+
```

(If you see an error with `libgmodule.so` missing while trying to run the client, then gtk+ is not installed on your system)

2 Setup Trac

2.1 Install XML-RPC Plugin

Trac2SVN requires the XML-RPC plugin for Trac. The plugin and installation instructions are available at `http://trac-hacks.org/wiki/XmlRpcPlugin`.

3 Install & Configure Trac2SVN Server

On your Trac2SVN Server machine:

- Unpack the zip file into `C:\Program Files`.
- Edit `Clearvision\trac2svn\server\trac2svn_server.cfg` using Wordpad (*not* Notepad) and configure the following parameters with values according to your setup.

The `trac_server` setting must provide the full path to the Trac project you would like to connect to. The `trac_query` setting defines a Trac-style query in the usual format. The special string `CV_CURRENT_USER` will be replaced with the user running the query at run time. This allows you to create queries that produce results depending on the user committing a change.

```
[Trac]¶
trac_query=owner=CV_CURRENT_USER&status!=closed¶
trac_server=http://trac.mycompany.com:8080/myproject¶
¶
[License]¶
company_name=Your Company Plc¶
licence_email=admin@yourcompany.com¶
expiry_date=2009-12-31¶
users=999¶
license_key=PLEASE_ADD_YOUR_LICENCE_key_HERE¶
license_certificate=PLEASE_ADD_YOUR_LICENCE_certificate_HERE¶
¶
[Server]¶
server_ip=192.168.1.2¶
server_port=54326¶
```

- open a DOS command window, go to the server directory, then start the server (make it executable first on Linux), eg:

```
cd c:\Program Files\Clearvision\trac2svn\server¶
trac2svn_server.exe¶
```

- check the `TRAC2SVN.log` file in the server directory for any errors (an empty file indicates no errors).

4 Install & Configure Trac2SVN Clients

On each of the machines that Trac2SVN users will be working:

- unpack the zip file into `C:\Program Files`.
- edit `Clearvision\trac2svn\client\trac2svn_client.cfg` and configure the following parameters with values according to your setup:

```
[Trac]¶
trac_uid=joe_bloggs¶
trac_password=my_secret_password¶
¶
[Server]¶
server_ip=192.168.1.2¶
server_port=54326¶
```

- if your login id is different to your Subversion user id, also set `svn_uid`, eg:

```
[Options]¶
svn_uid=joe_bloggs¶
```

- open a DOS command window in the *client* directory and start the client (make it executable first on Linux), eg:

```
cd c:\Program Files\Clearvision\trac2svn\client¶
trac2svn_client.exe¶
```

- check the `TRAC2SVN.log` file in the client directory for any errors.

5 Install & Configure Subversion Hooks

On your *Subversion* Server machine:

- Unpack the zip file into `C:\Program Files`.
- Copy **all** of the files from `Clearvision\trac2svn\subversion_hooks` into the hooks directory of your Subversion server.
- On Linux, make all of the hook scripts executable (ie everything except the config file)
- Edit the config file (`trac2svn_hook.cfg`) that is *in your Subversion hooks directory* and configure the following parameters with values according to your setup, for example, if your Trac2SVN Server is at IP address 192.168.1.2 and is licensed for port 54326:

```
[Server]¶
server_ip=192.168.1.2¶
server_port=54326¶
```

6 Test it!

Now that you have:

- Configured Trac for Trac2SVN
- Started a Trac2SVN Server
- Are running at least one Trac2SVN Client
- And have installed all of the Trac2SVN hook programs into your Subversion repository

you are ready to test the system by committing a change to Subversion. On the machine that is running the Trac2SVN Client:

- Check out a working copy from your repository
- Make a change to a file
- Commit that change as the user id you configured for this client (eg joe_bloggs above), eg

```
svn commit myfile.txt --username joe_bloggs
```

You should see the Trac2SVN client GUI popup to allow you to select the list of issues that were resolved by this change. Select one and select OK to close the popup window.

7 Verify Results

To check that Trac2SVN worked fully, open up the ticket you selected and see the comment with a link to the changeset associated with the ticket. Then, check the link back to Trac in Subversion by looking at the 'clearvision:change_id' revprop with this command:

```
svn proplist -rHEAD --verbose --revprop .
```

```
Copyright (c) 2009 Clearvision CM All Rights Reserved¶
Registered in England No. 5643578 VAT Registration No. UK881364801¶
Registered Address Laurel Farm, Winters Hill, Durley Southampton, SO32
2AH¶
```


http://www.clearvision-cm.com