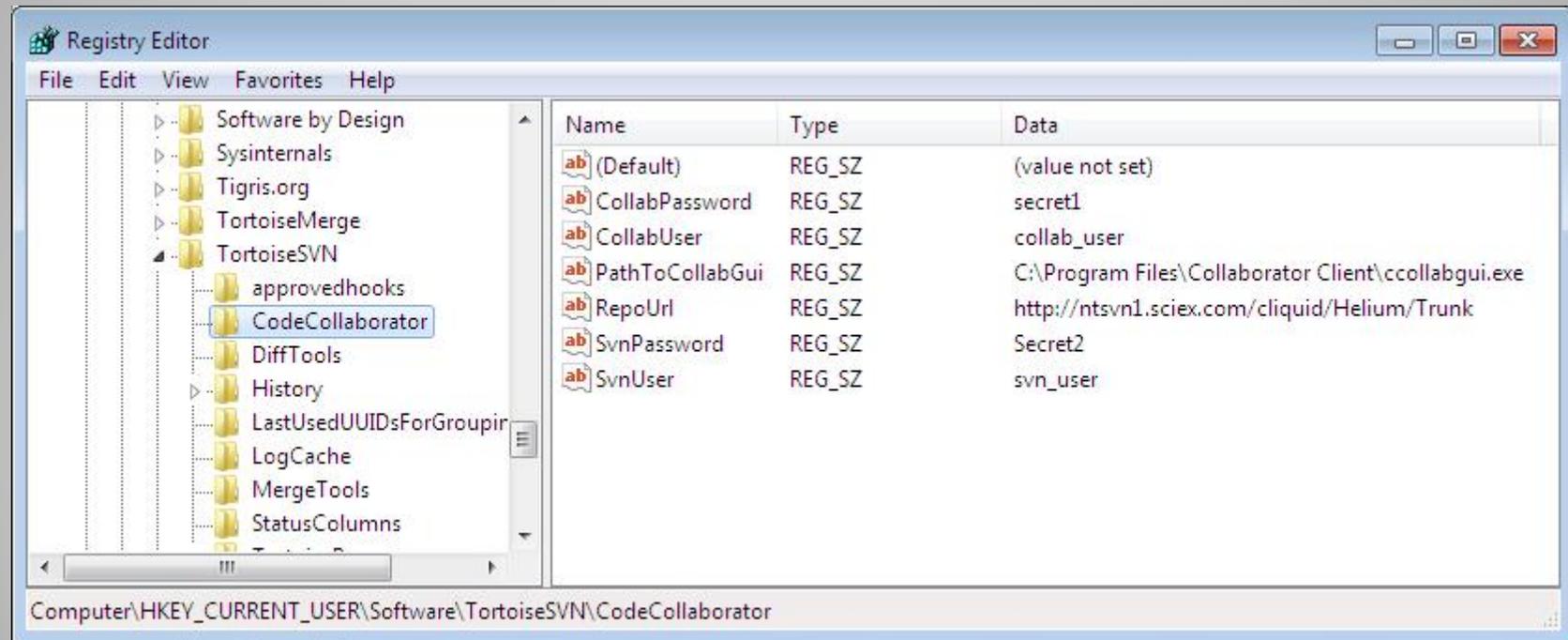


# Tortoise SVN/Code Collaborator Integration

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Tortoise SVN Collaborator  
June 4, 2013

# Prerequisites

1. Code Collaborator must be installed
2. Tortoise 1.8 (or current Trunk) must be installed – get it from (<http://nightlybuilds.tortoisesvn.net/latest/>)
3. Registry must be configured for Code Collaborator Integration



## Possible improvements...

- It may be possible to get the saved credentials from the TSVN client (both username and password)
- Its probably possible to get the Repo-url directly from TSVN
- While possible to encrypt Usernames/Passwords, these are then passed via command line and viewable with a tool like Process Explorer.
- It may be possible to read the path of the installed CollabGui client from a MSI installer property.
- We should check the version of the CollabGui client, and refuse to show versions that don't support all the command line args/functionality
- It would be great if the CollabGui client saved and used a current collabgui username/password, and have a flag to use these saved credentials.
- It would be possible to show a small dialog with an edit box to let the user enter a review name/and or other parameters.
- Some settings could possibly be stored as SVN :Properties or as TSVN options / with UI and persistence.

# What is looks like now...

The screenshot shows the TortoiseSVN Log Messages window for the path D:\Source\svn\tortoisetsvn. The window displays a list of revisions with columns for Revision, Actions, Author, Date, Bug-ID, and Message. Revision 24285 is selected, and a context menu is open over it. The menu items include 'Compare revisions', 'Show differences as unified diff', 'Blame revisions', 'Revert changes from these revisions', 'Merge revisions to...', 'Copy to clipboard', 'Search log messages...', and 'Create code collaborator review...'. The 'Create code collaborator review...' option is highlighted with a red box, and a red arrow points to it from a 'New!!!' label. Below the log list, there is a table of changed paths and a section for showing 100 revision(s) from 24186 to 24291.

Revision	Actions	Author	Date	Bug-ID	Message
24286		htcotik	June 4, 2013 7:46:45 AM	478	Fixes issue #478 * Block indentation with tab
<b>24285</b>		<b>brunzefb</b>	<b>June 4, 2013 12:14:13 AM</b>		<b>Smart-Bear Code collaborator integration, step 1: - A</b>
24284		tortoisetsvn	June 3, 2013 3:31:05 PM		Update serf to v1.2.1
24283	Compare revisions		June 3, 2013 3:15 PM		Apply the background color patch to Scintilla.
24282	Show differences as unified diff		June 3, 2013 3:45 PM		Update Scintilla to v3.3.3
24281	Blame revisions		June 3, 2013 3:19 PM		Add high dpi images for the ribbon to use: specifying these sh
24280	Revert changes from these revisions		June 3, 2013 3:56 PM		Update pot files with latest resource changes.
24279	Merge revisions to...		June 3, 2013 3:44 AM		Remove the LVS_EX_DOUBLEBUFFER fallback define. It was ne
24278			June 3, 2013 3:22 AM		update jQuery to v1.10.1

Path

Path	Action	Copy from path	Revision
/trunk/src/Resources/TortoiseProcENG.rc			
/trunk/src/Resources/ccollabgui.ico			
/trunk/src/TortoiseProc/LogDialog/LogDlgHelper.cpp			
/trunk/src/TortoiseProc/LogDialog/LogDlgHelper.h			

Showing 100 revision(s), from revision 24186 to revision 24291 - 2 revision(s) selected, showing 6 changed paths

Show only affected paths

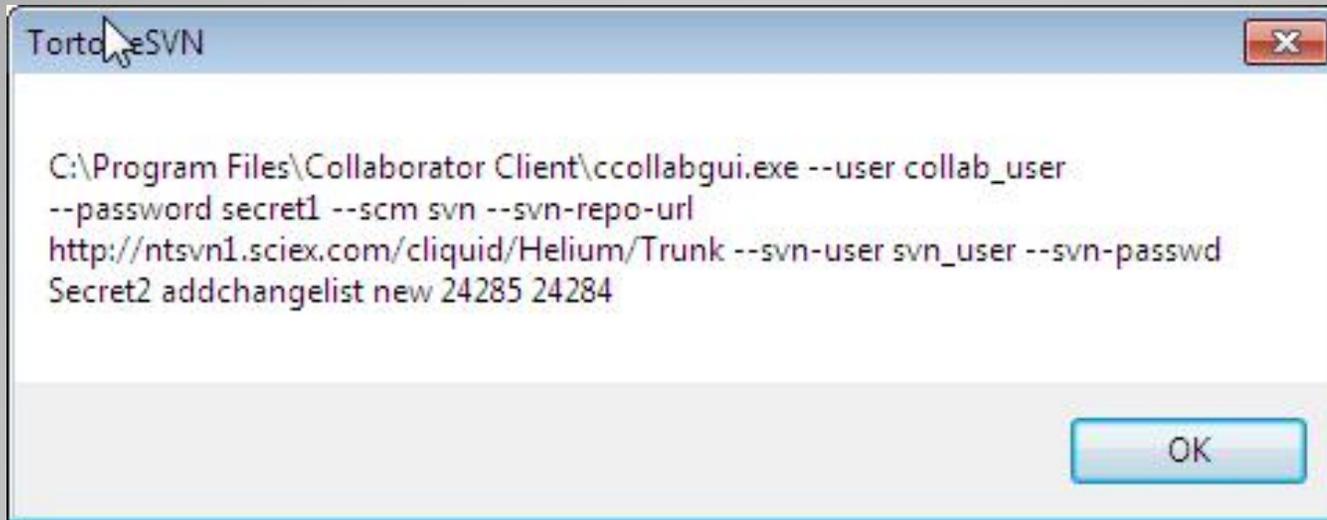
Stop on copy/rename

Include merged revisions

Show All | Next 100 | Refresh

Statistics | Help | OK

## What it does when invoking the command...

A screenshot of a Windows command prompt window titled "TortoiseSVN". The window contains a single line of command text: "C:\Program Files\Collaborator Client\collabgui.exe --user collab\_user --password secret1 --scm svn --svn-repo-url http://ntsvn1.sciex.com/cliquid/Helium/Trunk --svn-user svn\_user --svn-passwd Secret2 addchangelist new 24285 24284". An "OK" button is visible at the bottom right of the window.

```
C:\Program Files\Collaborator Client\collabgui.exe --user collab_user
--password secret1 --scm svn --svn-repo-url
http://ntsvn1.sciex.com/cliquid/Helium/Trunk --svn-user svn_user --svn-passwd
Secret2 addchangelist new 24285 24284
```

This is the full command line that TSVN executes – this is launched as a separate process. The last two number represent the revisions as selected ( see previous slide). The message box is for debugging only, and will be removed in the near future.

## Current Status

- Initial code has been committed to the SVN repository, testing is under way.
- Need a 1 month extension to the trial license (or can you spare a license? to do finish development).

## Next steps:

- If you agree that this is worthwhile, I would like a phone conversation/Webex with a development lead or Sr. Developer to discuss where we can go with this and how SmartBear might help. Most things can be done without code changes on your side!
- Would like to extend the functionality to reduce the number of clicks required in the Web interface to finish creating a review. [e.g Defaults for Author and reviewer]
- I can demo changes I made to TSVN to easily review working copy code in Visual Studio.

# Cut and paste registry entries:

Windows Registry Editor Version 5.00

```
[HKEY_CURRENT_USER\Software\TortoiseSVN\CodeCollaborator]
"PathToCollabGui"="C:\\Program Files\\Collaborator Client\\ccollabgui.exe"
"CollabUser"="collab_user"
"CollabPassword"="secret1"
"RepoUrl"="http://ntsvn1.sciex.com/cliqid/Helium/Trunk"
"SvnUser"="svn_user"
"SvnPassword"="Secret2"
```