

## SVN Guide

To be able to use the SVN Repository set up for the repository two things are required:

- **TortoiseSVN** installed on your computer, which is a Subversion client software for Windows. Download and install based on the type of Windows you have (i.e. 32 bit or 64 bit).  
Link: <http://tortoisesvn.net/>
- **Username** and **password**. Your credentials will be issued to you by LMS administrators.

The first thing you will need to do is to create a folder for the repository to be saved anywhere on your computer (e.g. C:\User\My Documents\<<folder>).

Since TortoiseSVN works together with Windows explorer all you have to do is right click inside the folder and click on **SVN checkout** as shown in the screenshots below.

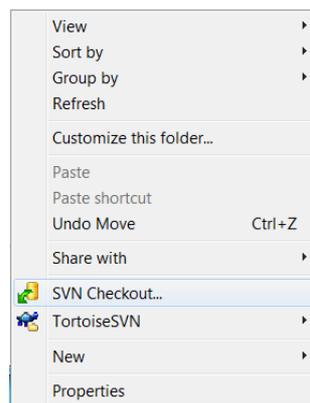


Figure 1: Windows Context Menu

**Note:** Generally when prompted type your credentials.

In the URL of repository field enter [the SVN URL provided by your administrator](#) and in the Checkout directory enter the directory of the folder that you have created. Then press **OK** and wait for the files to be downloaded into your working copy.

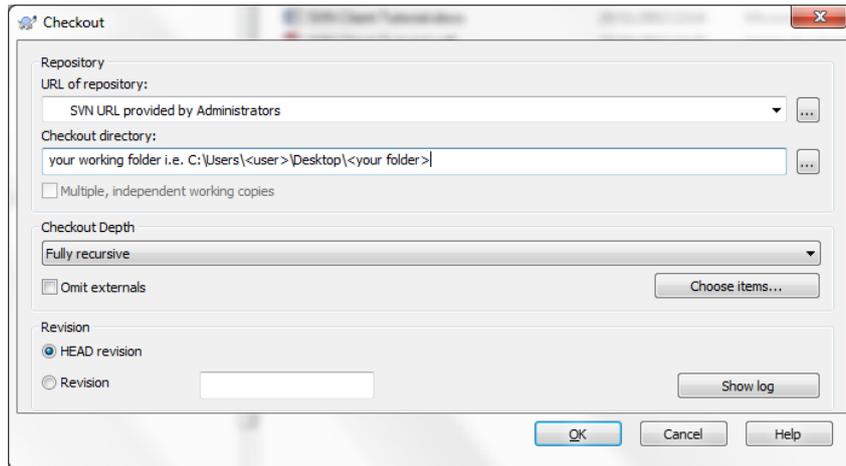


Figure 2: TortoiseSVN Checkout Dialog

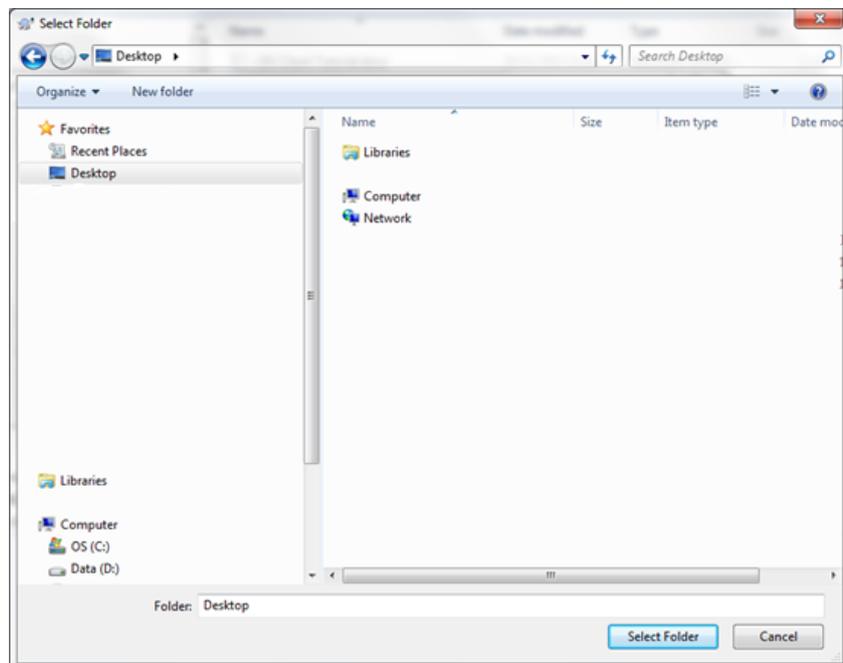


Figure 3: Select Folder to be your working copy

Now that you have checked out a working copy from a Subversion repository you can see your files in the windows explorer with changed icons. This is one of the reasons why TortoiseSVN is so popular. TortoiseSVN adds a so called overlay icon to each file icon which overlaps the original file icon. Depending on the Subversion status of the file the overlay icon is different.

Name	Date modified	Type	Size
.svn	22/2/2013 1:55 μμ	File folder	
Presentation	19/2/2013 5:34 μμ	File folder	
Proposal Document	22/2/2013 1:55 μμ	File folder	

Figure 4: Folder contents

An overlays icons on folder indicate the status of your local files

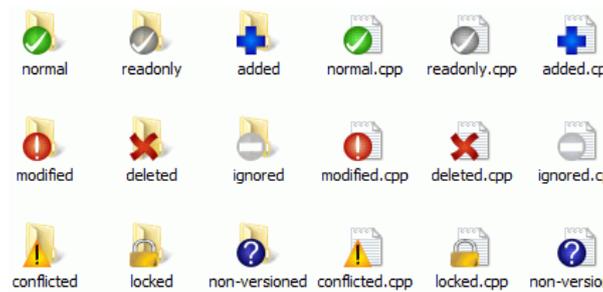


Figure 5: Default Overlay Icons - TortoiseSVN

Icon	Description
	A fresh checked out working copy has a green checkmark as overlay. That means the Subversion status is normal.
	As soon as you start editing a file, the status changes to modified and the icon overlay then changes to a red exclamation mark. That way you can easily see which files were changed since you last updated your working copy and need to be committed.
	If during an update a conflict occurs then the icon changes to a yellow exclamation mark.
	If you have set the svn:needs-lock property on a file, Subversion makes that file read-only until you get a lock on that file. Such files have this overlay to indicate that you have to get a lock first before you can edit that file.
	If you hold a lock on a file, and the Subversion status is normal, this icon overlay reminds you that you should release the lock if you are not using it to allow others to commit their changes to the file.
	This icon shows you that some files or folders inside the current folder have been scheduled to be deleted from version control or a file under version control is missing in a folder.
	The plus sign tells you that a file or folder has been scheduled to be added to version control.
	The bar sign tells you that a file or folder is ignored for version control purposes. This overlay is optional.
	This icon shows files and folders which are not under version control, but have not been ignored. This overlay is optional.

For more information you may navigate [here](#)

If you want to create a new folder anywhere in the repository *right click* inside the folder and click **New Folder**. Name the folder as you wish and then right click on it and choose **SVN Commit** so that the folder will be uploaded to the repository.

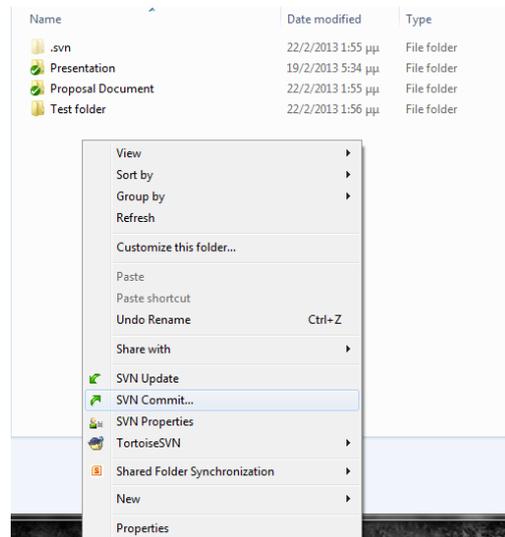


Figure 6: Commit Command – Windows Explorer context menu

1. In the menu that appears, tick the folder you want to transfer and press **OK**.
2. If you wish you can add a message that will be connected to the transfer (e.g. this is a new folder for testing purposes). After the transfer has been completed press **OK** again.

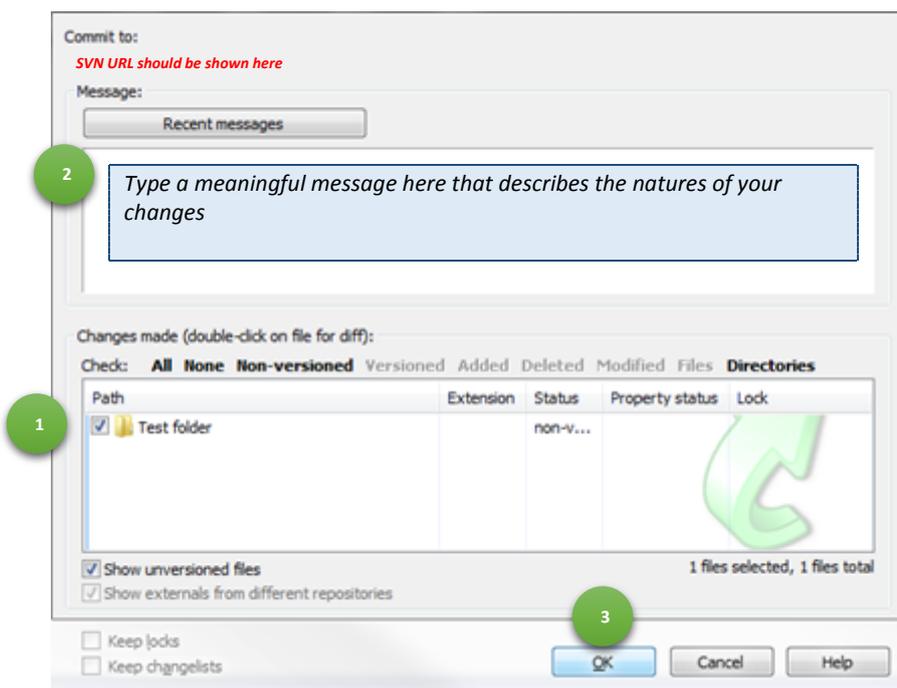


Figure 7: Commit Changes Dialog - TortoiseSVN

If you want to delete the folder just delete it from your Resize SVN folder by left clicking on it and then right clicking and choosing TortoiseSVN→Delete. Then, right click and press SVN Commit. Then the same menu will appear where you will have to tick on the deleted folder.

In the same fashion, if you want to add or remove any files you follow the same procedure. The only difference is that you must drag n' drop or copy and paste the desired file into a folder in your computer directory that responds to the directory in the repository, right click

on it (or them if they are more than one) and press SVN Commit. If you want to delete it, delete the file on your computer (Through Right click→TortoiseSVN→Delete), right click and press SVN Commit.

If you want to view the repository through the Tortoise GUI you can right click anywhere and select TortoiseSVN→Repo-browser.

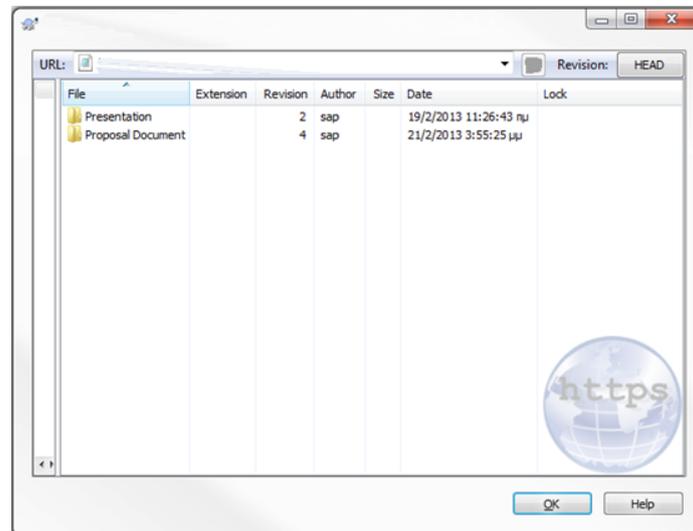


Figure 8: Repository Browser - TortoiseSVN

### In a nutshell:

*Right click->Checkout:* To transfer the files from the repository to the desired folder

*Right click->SVN Commit:* for the changes to take place in the repository

*Right click->TortoiseSVN->Delete:* to delete a file

*Right click->TortoiseSVN->Repo-browser:* to View files in the TortoiseSVN repository browser

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