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Version	Name	Date	Comment
0.0	Viewpoint Systems	20Apr2010	Original
0.1	Viewpoint Systems	15Jun2010	Added OS and LabVIEW version information, Added Installer Images
0.2	Viewpoint Systems	27Jul2010	Updated installer images
0.3	Viewpoint Systems	12/7/2012	Updated for version 1.7.x

## READ THIS BOX

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We do intend to make this product as robust as make sense for us, so any feedback on issues would be appreciated. Please send comments and questions to [TSVNTbar.support@viewpointusa.com](mailto:TSVNTbar.support@viewpointusa.com).

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# Viewpoint TSVN Toolkit User Guide

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*TortoiseSVN Source Control Interface for LabVIEW®*

## 1 Description

The TSVN Toolbar provides seamless integration to TortoiseSVN from LabVIEW with access to TortoiseSVN commands Get lock, Commit, Update, Add, Break lock and more.

## 2 Installation

See the **Viewpoint TSVN Toolkit Installation Guide** for information on installing the Toolkit. Once installed, LabVIEW must be restarted for the changes to take effect.

Also see **Viewpoint TSVN Toolkit Getting Started** for information on using the Toolkit the first time.

## 3 VSI TSVN Toolkit Features

### 3.1 Project Explorer Icon Overlays

Icon overlays display the SVN status of working copy files from any repository in the project, including auto-populating folders and non-NI file types.

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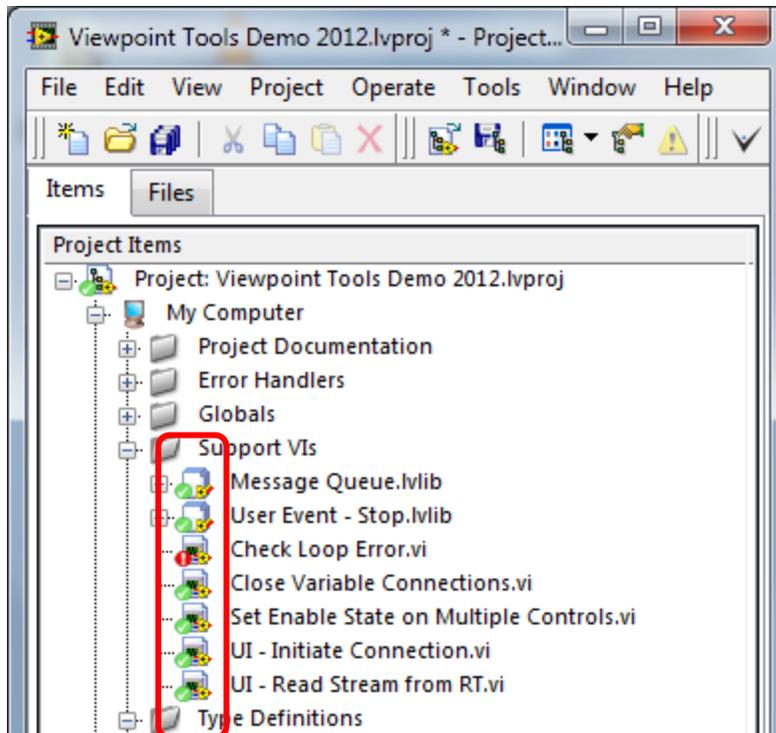


Figure 1 - Icon Overlays

### 3.2 Context Menu

Access TortoiseSVN functions from the context menu by right-clicking a single item or multiple items.

Any two selected items can be diffed as well.

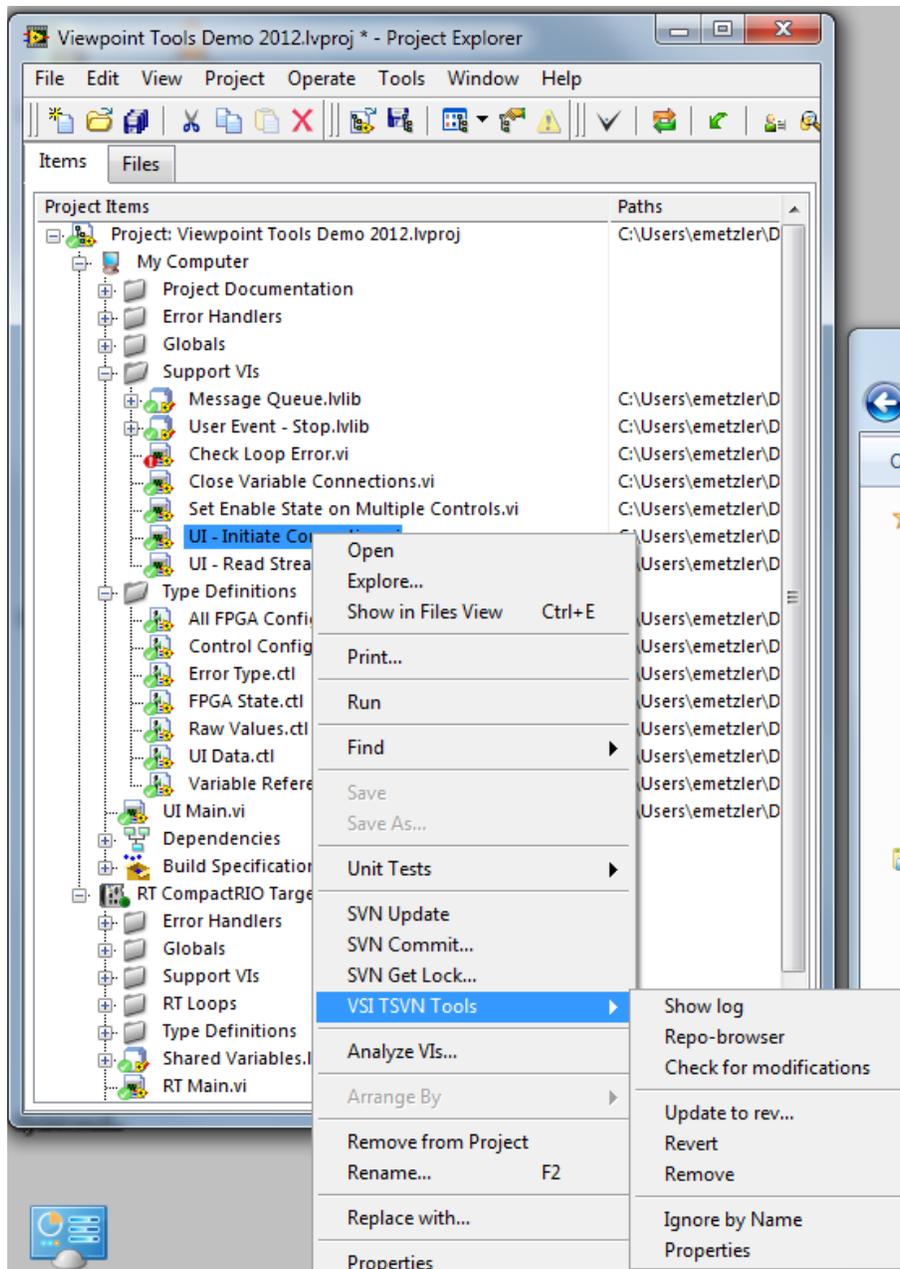


Figure 2 - Context Menu

### 3.3 Toolbar

These actions are different from the legacy version of this product in that they perform actions on the entire WC that the project file resides in. This allows for more atomic operations. For operations in specific files, use the Project Explorer context menus.

If the toolbar is displayed too far to the right, right-click on the toolbar and uncheck unneeded toolbars.

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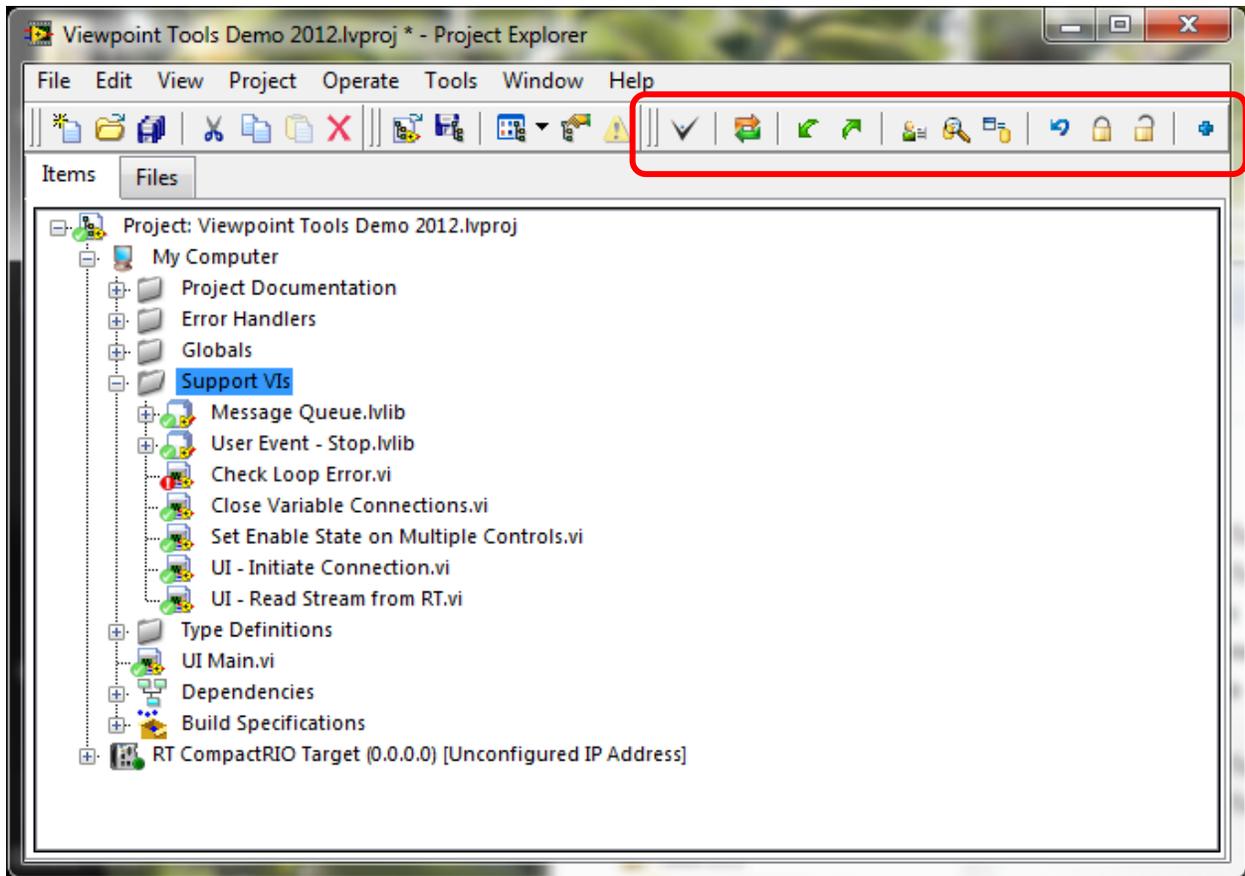


Figure 3 - Toolbar

The toolbar SVN commands operate on the root working copy folder. Use the context menu for individual file operations.

-  Opens VI Dashboard
-  Refreshes icon overlays of the *visible* items in the Project Explorer
-  Update
-  Commit
-  Show log
-  Repo-browser
-  Check for modifications
-  Revert
-  Get lock
-  Release/Break lock
-  Add

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## 4 VI Window Features

### 4.1 File Menu

VI Dashboard can be launched and individual VI commands can be performed from **File>>VSI TSVN Toolkit**.

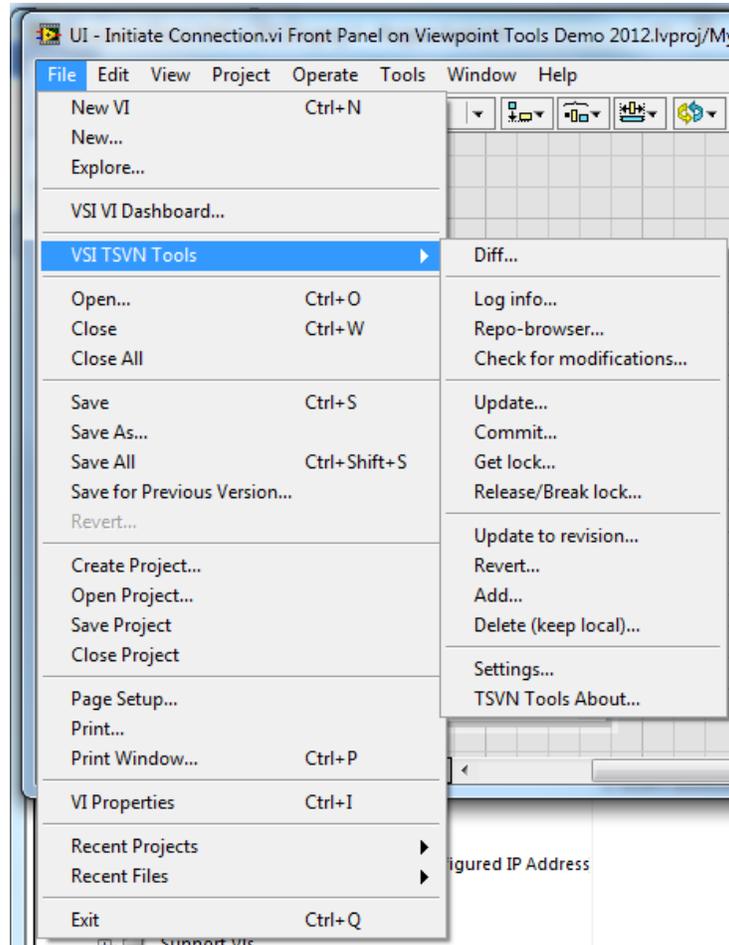


Figure 4 - File Menu

Note: Update and Revert will also revert the VI in memory to the updated or reverted version on disk. Any unsaved changes will be lost on Update and all changes will be lost on Revert.

### 4.2 Tools Menu

Individual VI commands can be performed from **Tools>>VSI TSVN Toolkit**

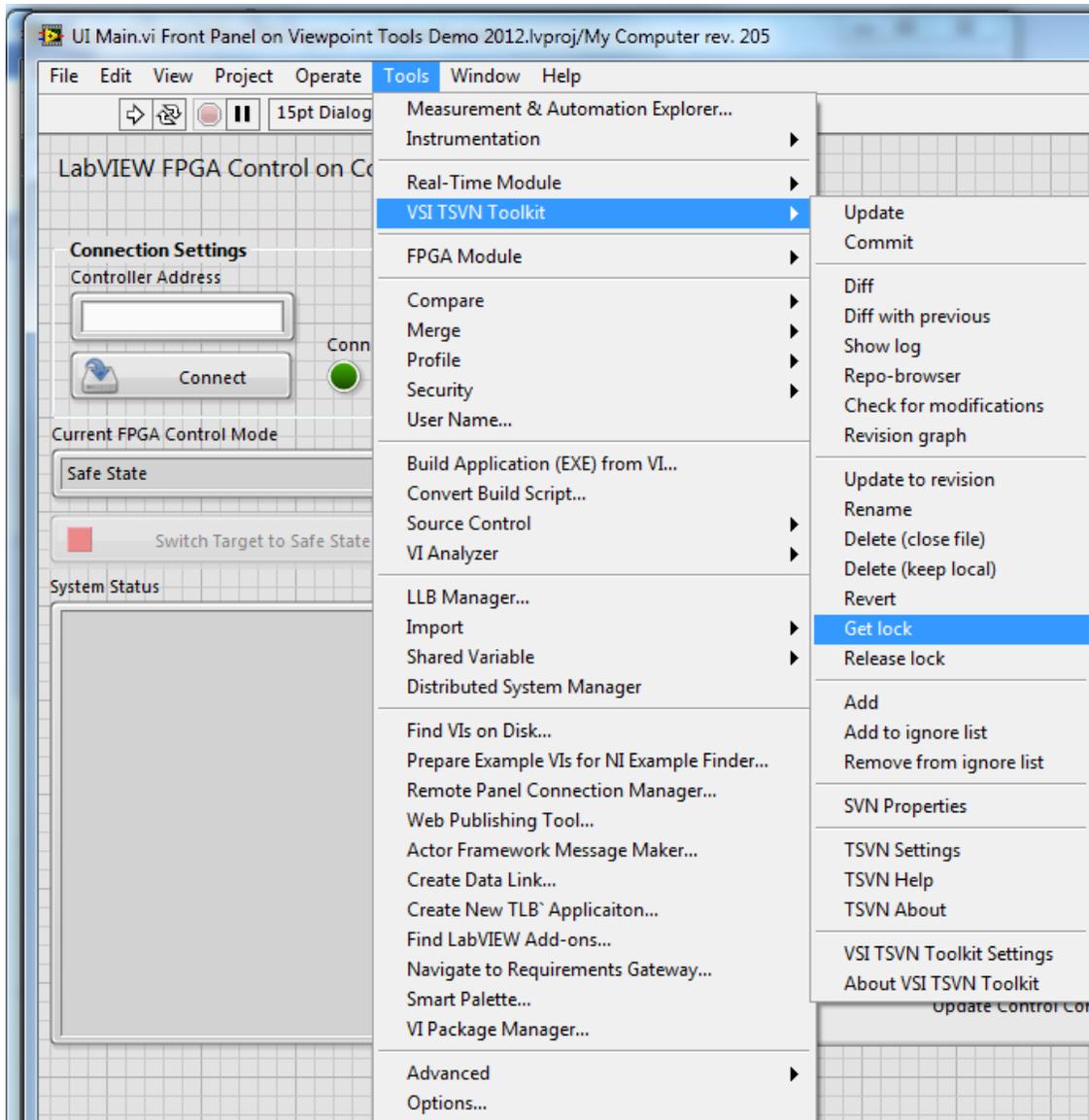


Figure 5 - Tools Menu

## 5 VI Dashboard

The VSI VI Dashboard is a tool to manage multiple files at once. An action can be applied to a selected file list. For example, suppose several VIs have indirect changes arising from the rippling effect of a redefinition of enum, typedef clusters, and so on. With the Dashboard, you can select this list of changed VIs, and apply an action to all at one step. Use the button bar or right click menu interface.

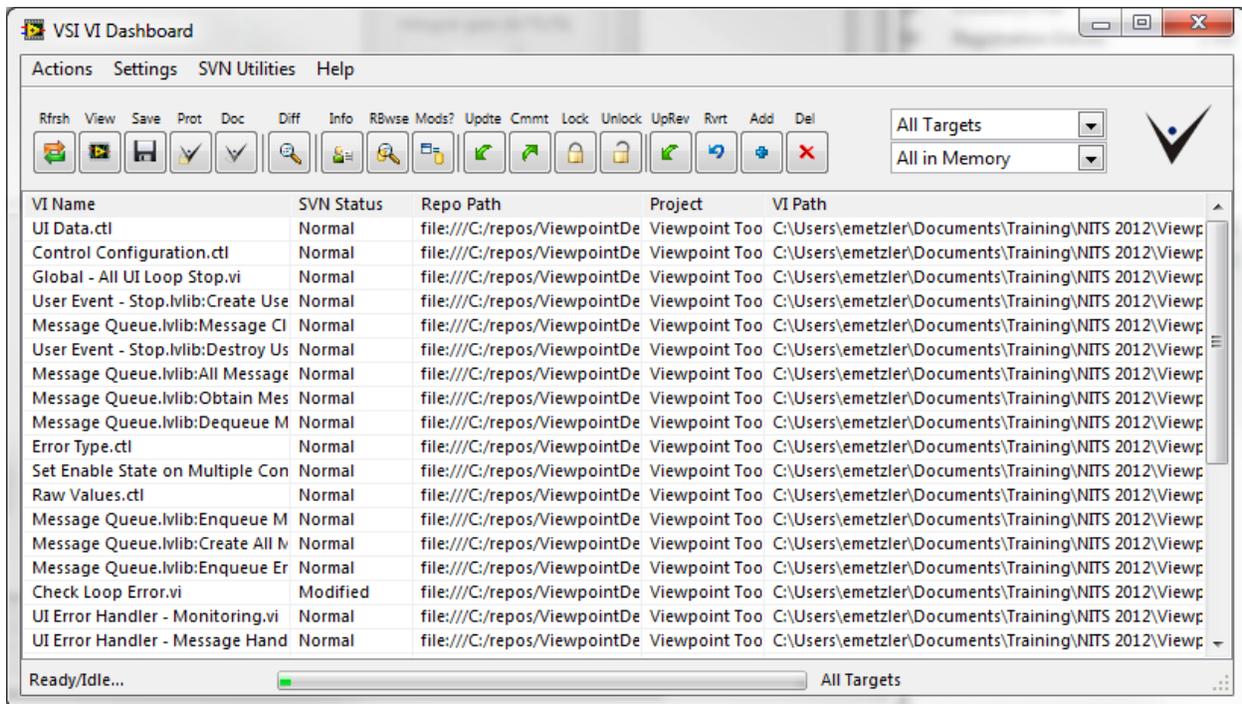


Figure 6 - VI Dashboard

The VSI VI Dashboard works with multiple SVN repositories and multiple LabVIEW targets. The visible list of VIs can be sorted and filtered. Use the usual click, ctrl-click, and shift-click selection techniques to choose the entries on which to apply the action.