



SourceAnywhere™

Dynamsoft SourceAnywhere

User's Guide

Dynamsoft™

11 Years of Experience in TWAIN SDKs and Version Control Solutions

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For Administrators

Set up SourceAnywhere

Please refer to the article below on how to install the server.

[SourceAnywhere Step by Step Setup Guide \[PDF\]](#)

SourceAnywhere Service Configurator

SourceAnywhere Service Configurator can be launched from Start -> All Programs -> Dynasoft SourceAnywhere Server.

Start Service

Please go to **System Settings**, and press **Start Service**. It should be started automatically when the system is up. If not, please follow the steps below to make it an auto start.

1. Go to **Control Panel** → **Administrative Tools** → **Services**;
2. Find Dynasoft SourceAnywhere and open **Properties**;
3. Select **Automatic** or **Automatic (Delayed Start)** from the list of **Startup type**.

IP & Port

IP and port info of SourceAnywhere Service are stored at **System Settings**. To view or change the settings, please press **Stop Service** button to enable this section.

The screenshot shows the 'Service Control' window with 'Start Service' and 'Stop Service' buttons. Below is the 'General Settings' section. Under 'System log', there are checkboxes for 'Overwrite log file on server startup' and 'Write to system log', along with 'View Log' and 'View Email Log' buttons. The 'Server IP and ports' section is highlighted with a red box and contains a dropdown for 'Server IP' (set to 'All IPs'), and three checked options: 'Use unsecure port' (Unsecure port: 7777), 'Use Blowfish port' (Blowfish port: 7778), and 'Use SSL port' (SSL port: 7779). Below this is the 'Temp path' section with a text box and a 'Browse...' button. The 'Apply' button at the bottom right is also highlighted with a red box.

Please don't forget to press **Apply** at the bottom to apply the change(s).

SQL Connection

SourceAnywhere supports two types of database engines.

- Microsoft SQL Server Express LocalDB
- Microsoft SQL Server 2000 or above; OR, SQL Express 2005 or above

If you want to switch from one to another, please re-install SourceAnywhere Server, and make the choice in the installation process. For more info, please refer to following article [HTML].

[SourceAnywhere Server Installation Guide](#)

To learn info on how to restore and backup database in SQL Server, please refer to,

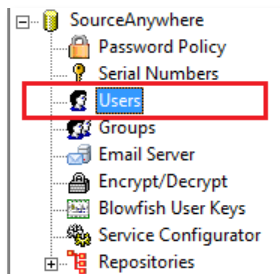
[How to backup and restore SourceAnywhere database in SQL Server Management Studio?](#)

SourceAnywhere Server Manager

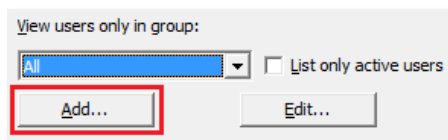
SourceAnywhere Server Manager can be launched from **Start->All Programs->Dynamsoft SourceAnywhere Server**.

Add User

1. Open **Server Manager** and log on as SourceAnywhere Administrator;
2. Select **Users** from the list on the left panel;

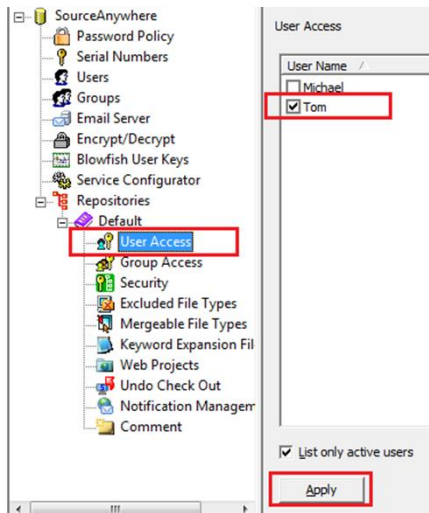


3. Click **Add** button at the bottom of GUI;



4. Please give username, password, and etc. info to the new user. All user rights are checked by default. Please uncheck the option(s) if you don't want the right(s) to be activated for the user.

[NOTE] Please be advised that new user has no right to access any repository until being given the permission by administrator. For example, if a user wants to access **Default** repository, administrator should go to **Repositories** → **Default** → **User access**, tick the user and click on **Apply**. See screenshot below.



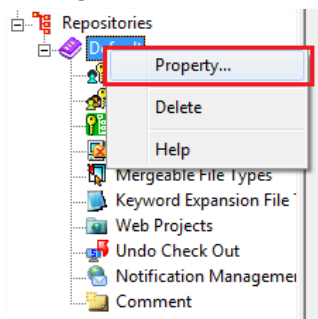
The same rule applies to **Group** too. Please add a new group, assign default rights, and give repository access in the same way.

Project Security

When project security (on a basis of folder level) is enabled, specific access rights are required for a user to execute SourceAnywhere commands.

To enable this feature, please follow the steps below:

1. Right click on a repository and select **Property**;

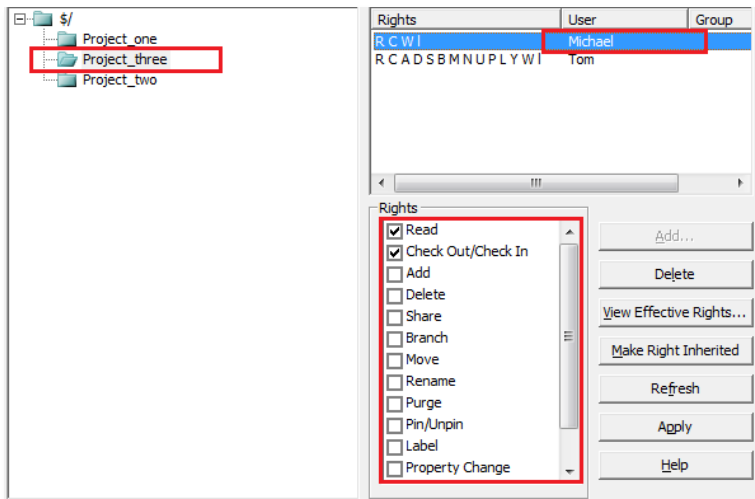


2. At the dialog of Property, check **Enable project security**.



3. Press **OK**.

With this feature being enabled, user and group rights can be customized on a folder basis.

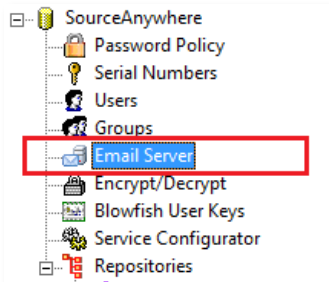


For example, a user has check in / out right on one project, but does not have right to do other operations like adding new items, renaming an item and etc. in the same project.

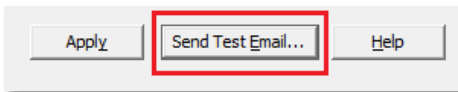
Email Notification

To use this feature, please make sure you have .NET Framework 2.0 or above installed.

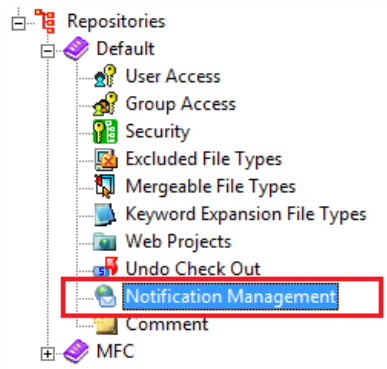
1. Firstly, please set up email server, authentication and etc. in the **Email Server**;



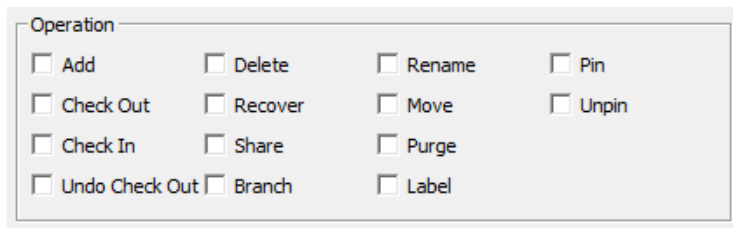
2. **Send Test Email** to verify if the server has been configured correctly;



3. Go to **Notification Management** of a repository;



4. Press **Add Event**;
5. In the dialog box, please input required information.



The image shows a dialog box titled "Operation" with a list of checkboxes. The checkboxes are arranged in four rows and four columns. The first row contains "Add", "Delete", "Rename", and "Pin". The second row contains "Check Out", "Recover", "Move", and "Unpin". The third row contains "Check In", "Share", "Purge", and an empty space. The fourth row contains "Undo Check Out", "Branch", "Label", and an empty space.

Operation			
<input type="checkbox"/> Add	<input type="checkbox"/> Delete	<input type="checkbox"/> Rename	<input type="checkbox"/> Pin
<input type="checkbox"/> Check Out	<input type="checkbox"/> Recover	<input type="checkbox"/> Move	<input type="checkbox"/> Unpin
<input type="checkbox"/> Check In	<input type="checkbox"/> Share	<input type="checkbox"/> Purge	
<input type="checkbox"/> Undo Check Out	<input type="checkbox"/> Branch	<input type="checkbox"/> Label	

[NOTE] There are many events being available. Please check one or more to enable event(s).

6. Press **OK**;

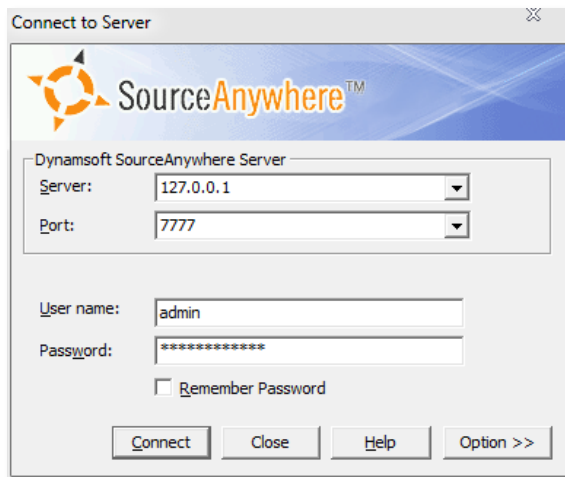
Afterwards, specific operation(s) will trigger sending email(s) to receiver(s) who are added in the notification receiver list.

For Regular Users

SourceAnywhere GUI Client

Download and install [GUI Client for Windows](#).

Open Dynamsoft SourceAnywhere, and connect to the server by entering Server information, user name and Password.



There is a built-in administrative user called 'Admin'. For other users, please ask Admin to create, grant access repository and assign group.

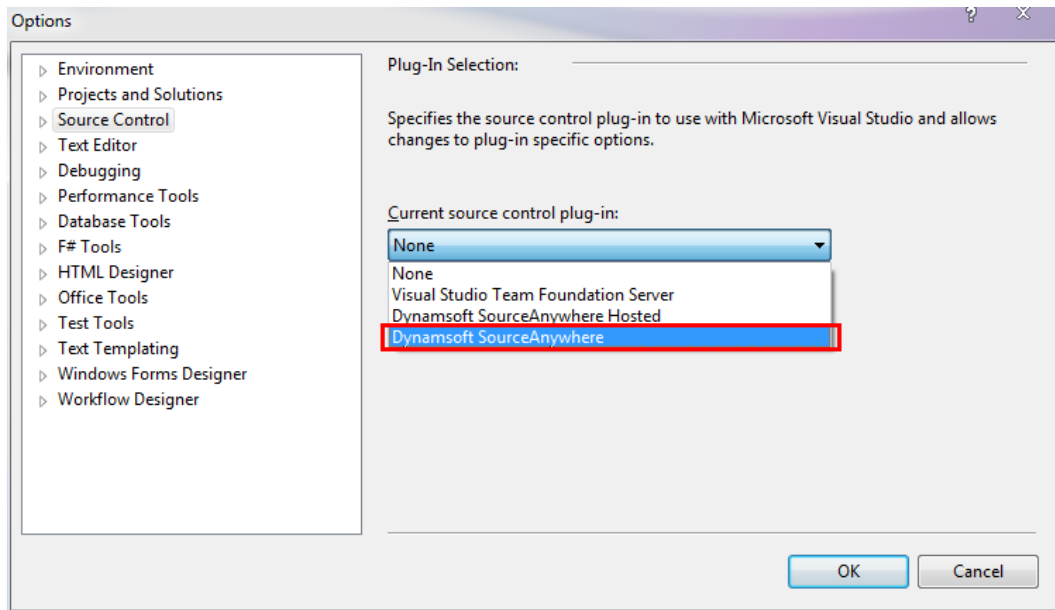
Here are some videos to help you get started with the basic operations of SourceAnywhere in a few minutes. [Watch videos now>>](#)

IDE Integration

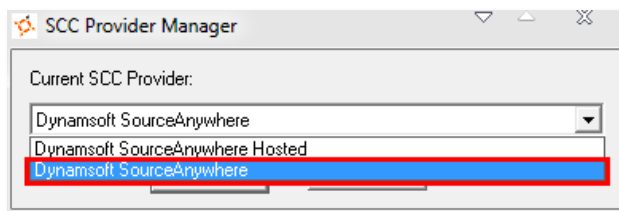
Integrate with Visual Studio

To integrate SourceAnywhere with Visual Studio 2005/2008/2010/2012/2013/2015, please follow the steps below:

1. Start Visual Studio.
2. Click menu **Tools**→ **Options**.
3. Click the **Source Control** node in the left side tree.
4. Choose **Dynamsoft SourceAnywhere** in the **Current source control plug-in** combo box, as seen in the following figure:



To integrate SourceAnywhere with Visual Studio 6.0/ Visual Studio .NET 2003, please change the SCC provider to **Dynamsoft SourceAnywhere** in SCC Provider Manager, which can be launched from the program group of **SourceAnywhere Client**.



[Learn more details on using SourceAnywhere version control in Visual Studio](#)

Integrate with Dreamweaver

SourceAnywhere supports integration with Dreamweaver CS3, Dreamweaver CS4 and Dreamweaver CS5.

For more info, check this article:

[How to integrate SourceAnywhere with Dreamweaver CS5?](#)

Integrate with Eclipse

Dynamsoft SourceAnywhere Eclipse plug-in is a Team provider plug-in for the Eclipse IDE. It enables users to perform version control operations from within the Eclipse IDE. This plug-in works with Eclipse release 3.x. It supports various operating systems such as Windows, Linux, Solaris, Mac, etc.

For details, check below:

- [How to integrate SourceAnywhere with MyEclipse 10?](#)
- [How to integrate SourceAnywhere with Eclipse?](#)

Other IDE Integrations

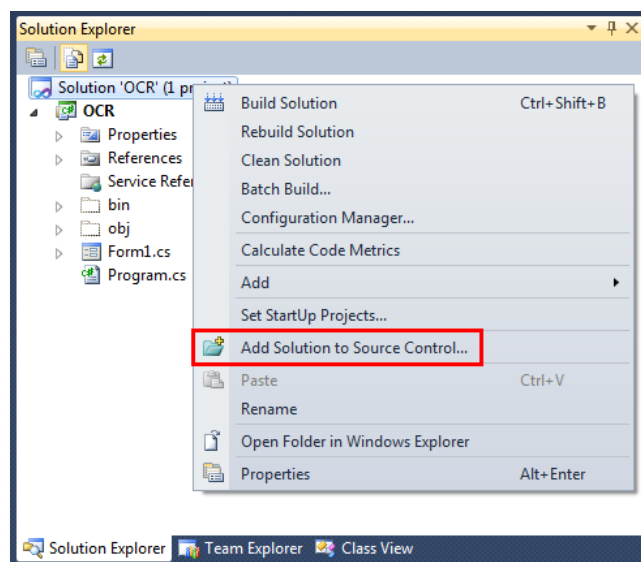
Dynamsoft SourceAnywhere supports all MSSCCI (Microsoft Source Code Control Interface) compatible IDE integrations, such as Microsoft Visual Studio, Microsoft Visual Studio .NET, IBM Rational and Borland Delphi. SourceAnywhere also provides Eclipse plug-in and Macromedia Studio plug-in.

Work with Visual Studio

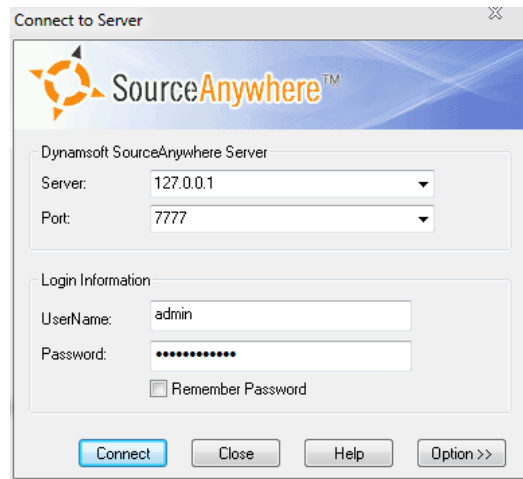
Add files to source control

Please follow steps below to learn how to use version control in Visual Studio 2010 or above. Other MSSCCI compatible or VSPackage solutions will work in a similar way.

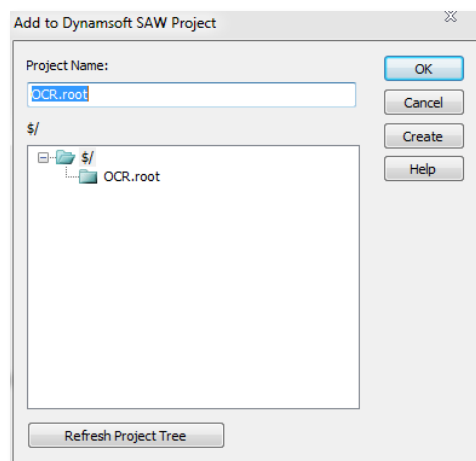
1. Integrate SourceAnywhere with Visual Studio 2010 as mentioned [above](#).
2. Open your project / create a new project, and then add the project to source control by right-clicking the solution in **Solution Explorer**. Select the content menu **Add Solution to Source Control**.



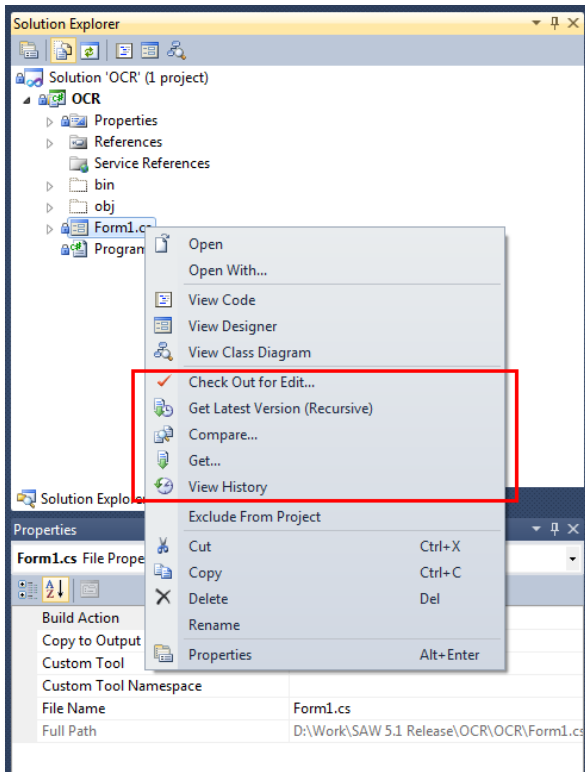
3. Input the credentials for login.



4. Choose a server path so that the project will be added to source control successfully.



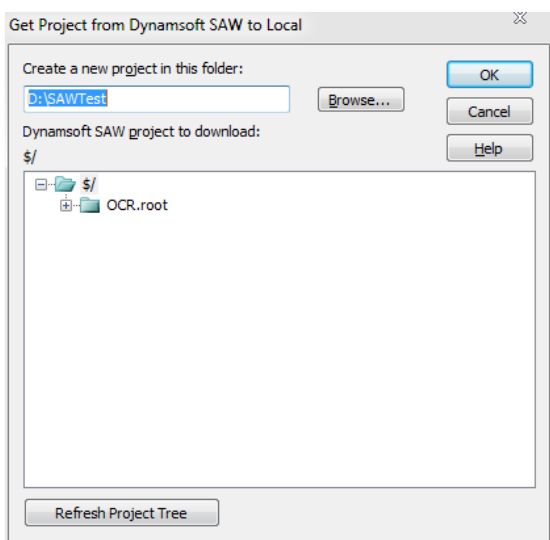
Now you can perform basic version control operations in the right-click content menu in **Solution Explorer**. More commands, such as **Properties**, **Change Source Control**, etc., can be found under the menu **File** → **Source Control**.



Retrieve files from server

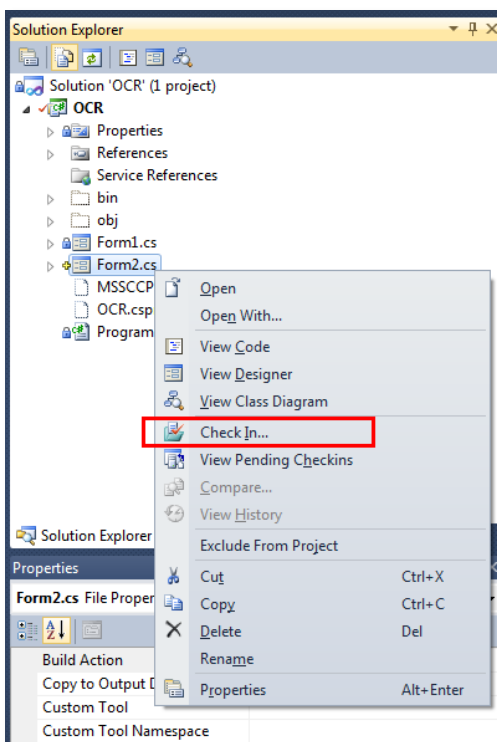
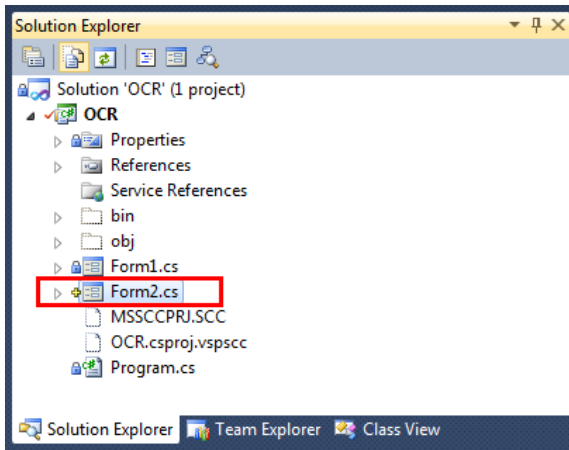
Most of today's projects need the collaboration of a team. Therefore, after the first developer adds the project to source control, other developers working on the same project need to retrieve these files from server to local and possibly upload some local files to server.

To retrieve files from server, we can click menu **File** → **Source Control** → **Open from Source Control** in Visual Studio. Then the **Get** dialog box is displayed. In the text box, type the desired local path or click the browse button to select/create one.



[NOTE] If a developer has been working on the project for some time and thus has a local project folder, it is suggested that s/he chooses a different project path other than the existing folder.

For files exist locally but not on server, we need to decide whether to share the files with other team members. If yes, we can add the files to **Solution Explorer** using **Add Existing Item**. A yellow plus icon is displayed before the file name, and we can perform Check In to commit the files to the server.



GUI Client Features

[SourceAnywhere Webinar](#) includes videos which shows how to use some of the basic source control operations like adding item(s), check in or check out, show difference, show history and etc.


Some of other key features will be covered through the following sections.

Basic operations


Add

After a project is created in Dynasoft SourceAnywhere, you can add files or an entire folder to the new project. For information about how to add files or an entire folder to Dynasoft SourceAnywhere, please refer to:

Add Files


1. Select the project you want to add the file(s) to.
2. Click **Add Files** button  on the toolbar or select **Add** from either the **File** menu or by right-clicking the selected project.
3. In **Add File** dialog box, select the file(s) you want to add. Multiple files can be selected by holding the CTRL or SHIFT key down as you select. Holding CTRL+A will select all files within the selected folder.
4. Click **Add** to display the **Add File Comment** dialog box.
5. Type a comment in the **Comment** box to describe the file you are adding.
6. Click **OK**.

Add folder

1. Select the project you want to add a folder to.
2. Click **Add Files** button  on the toolbar or select **Add** from either the **File** menu or by right-clicking the selected project.
3. In **Add File** dialog box, select a folder from the folders list.
4. Click **Add** to display the **Add Folder Comment** dialog box.
5. Type a comment in the **Comment** box to describe the folder you are adding.
6. If you want subfolders included, click **Recursive**.
7. Click **OK**.



Get


The **Get** command retrieves a read-only copy of an item and places it in your working folder. For information about how to get files or projects, please refer to:


1. Select file(s) or folder item.
2. Click **Get Latest Version**  button on the toolbar or select **Get Latest Version** from the **Source** menu or by right-clicking the selected file.
3. If the working folder is not set, the **Setting Working Folder** dialog box will be displayed. Click **OK** to set your working folder.
4. Click **OK**.

Update version

You would need [Check out and Check in](#) command to update version(s) of file or folder item. For more info, please refer to:

1. Select an item, and click **Check Out** button  on the toolbar.
2. Click **Edit** button  to open the file.


3. Make changes, save the file and close it.
4. Click **Check In** button  on the toolbar.

To verify if the item has been updated, please click **Show History** button  to check the history records.

Label

Labels are always more identifiable and descriptive than version numbers. Labels enable you to retrieve any version of an item through the label name. Thus, you do not have to remember the version numbers.

Quick label

1. Right click a file or folder item.
2. Click **Label** button .
3. Enter label title and comments before pressing **OK**.


To review labelled versions, please right click a file or folder item and select **Show Labels**.

Label	Created At	Version
Reviewed	\$/1/How to use SAW-...	10
completed	\$/1/How to use SAW-...	5

Diff
View
Get
Branch
Pin

In the **Show Label** dialog, you can right click and select **View** to show the label item.

Label a history version

1. Select an item, and click **Show History** button  on the toolbar.
2. In the **History Options** dialog. Please feel free to add filter conditions if you like and press **OK**.
3. Highlight an item in the **History** dialog and click **Label** button on the right panel.
4. Enter label title and comments before pressing **OK**.

Share

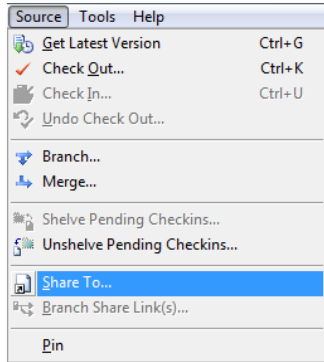
Share enables files to be shared among multiple projects. It creates share links among projects. If an item is modified in one project, the changes will apply to other projects simultaneously.

To use the Share command, we must have the Check Out / Check In right in the project we are sharing from, and the Add / Rename / Delete right in the project which we are sharing to.

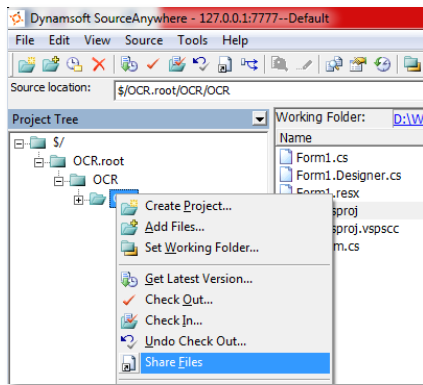
How to Share file(s)

To share an item, please follow steps below:

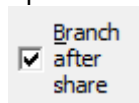
1. Select a file or folder item.
2. Use **Share To...** command under **Source** menu



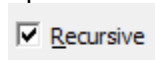
Or just right click one and select **Share Files**:



3. In the **Share to** dialog, select parent folder, where you want to share the file.
 - a. If you'd like to break the **Share link** so that the shared copy becomes independent from the original file, you can check the **Branch after share** option.



- b. When you want to share an entire project/folder, you can check the **Recursive** option.

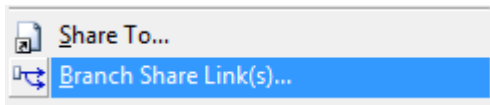


4. Click **Share**.

Share Links

After we shared the file or folder item, we may want to know which projects it is shared in. In SourceAnywhere, we can right-click on a shared file and click **Properties** → **Links** tab where all share links for the selected file will be displayed. A share link is a SourceAnywhere path to a project that shares the file with other projects. As

discussed above, you can break the **Share Links** by checking **Branch after share** when performing a Share or click **Branch Share Link(s)...** afterwards.



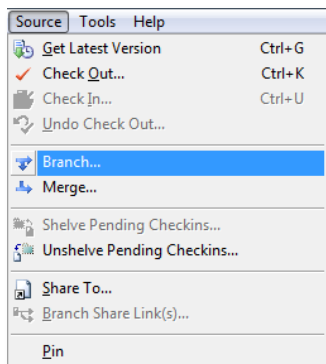
Branch & Merge

SourceAnywhere allows you to branch the latest version or any history version of an item. Branching copies an item from one location to another. After the operation, the project and its counterparts will be independent. Changes made to the file will not be reflected elsewhere. We can use Merge to merge the branches back.

Merge allows you to merge the changes made in one branch of a file / folder into another branch. Generally, these two branches are generated from a common original version. After a merge, the changes made based on the original version will be merged into the target branch.

How to Branch File(s)

1. Select a file or folder item.
2. On the **Source** menu, click **Branch**.




Or just right click one and select **Branch**:

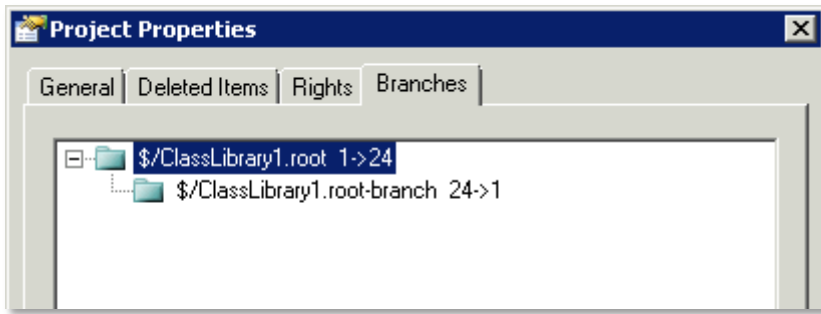
3. In the Branch dialog box, modify the location and name for the new branch in the Target text box. You can also click **Browse** to move to a location.
4. Enter a comment if you like and click **OK**.

How to Track Different Branches

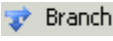
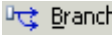
You can track different branches through file or folder properties, and then select **Properties** → **Branches**.

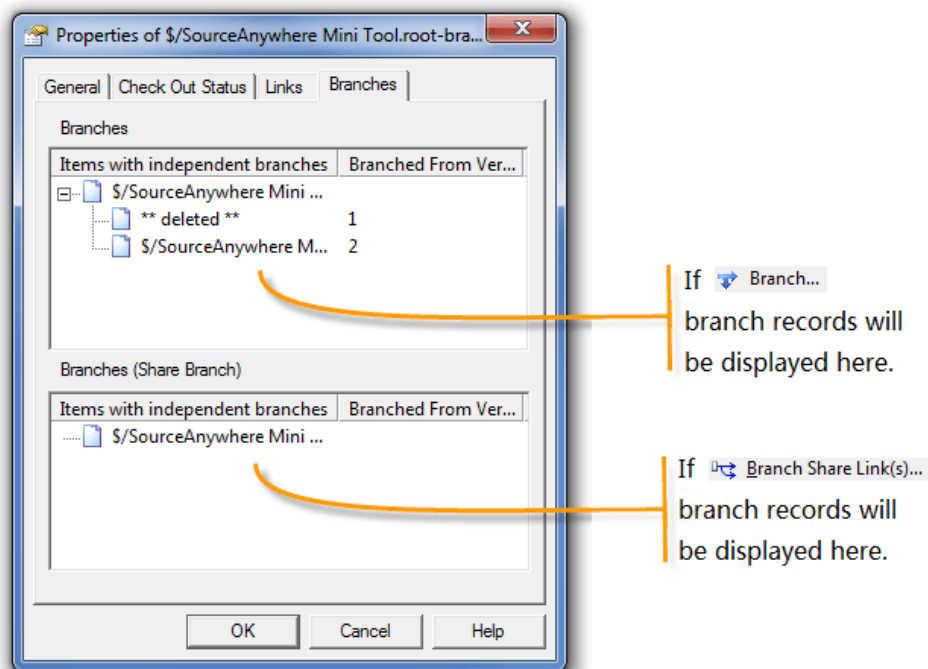
Project Properties Branches tab

If a folder is branched through  **Branch**, the branch records will be displayed at **Branches** tab.

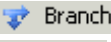
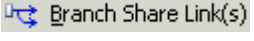


File Properties Branches tab

If a file is branched via , the branch records will be displayed at the first window of **Branches** tab. If it is branched via , the records will be displayed at the second window of the tab. See picture below.



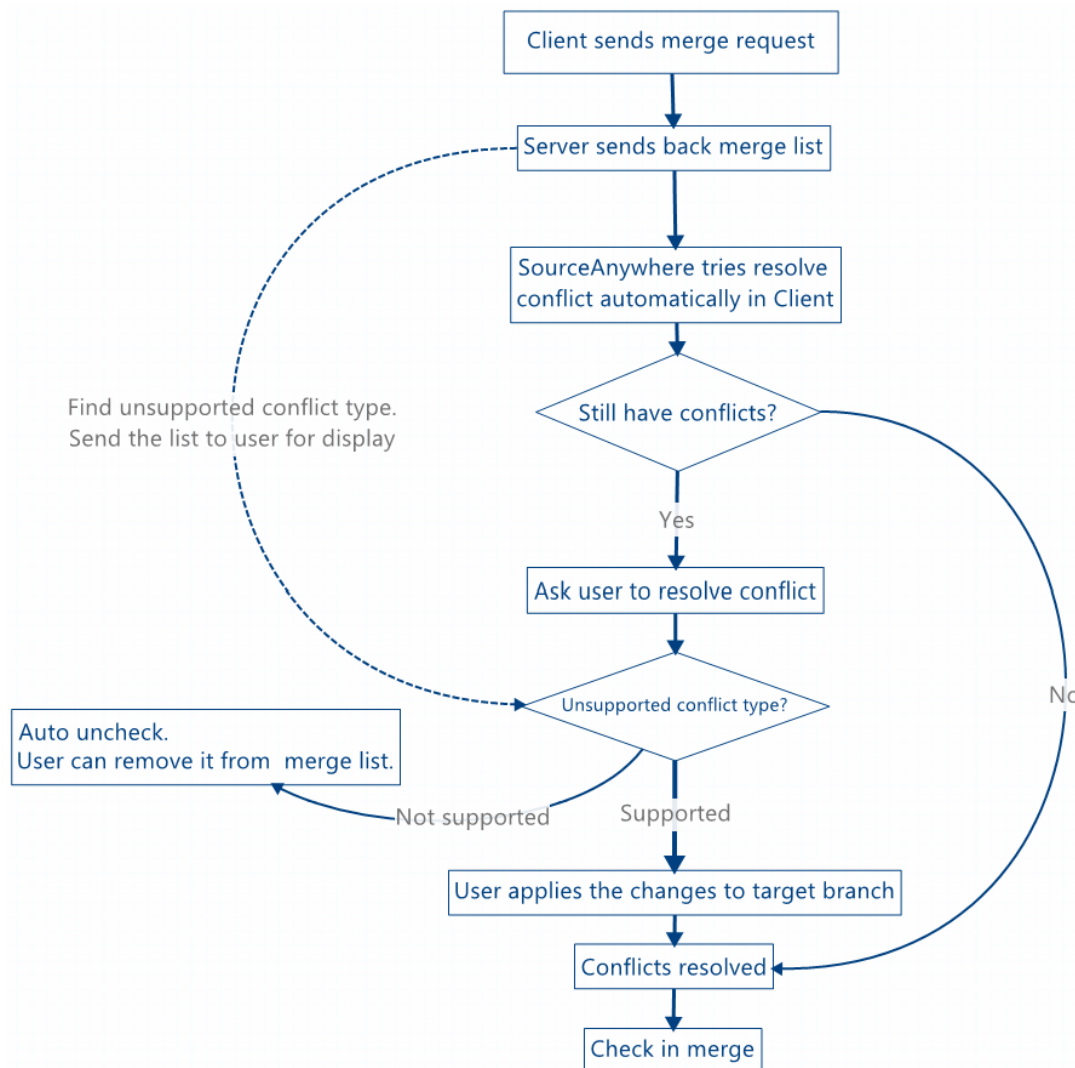
After the file branches are modified in different projects separately, we can bring them back together using the **Merge** command.

[Special Notice] Both types of Branch command create independent item(s). However, in version 6.1 and later, the new **Merge** command **works only** for files branched using the new  **Branch** command. The changes made to files branched using the old  **Branch Share Link(s)** command **will be lost** when you try to **Merge** it back.

How to Merge Branches

Merge Branches allows you to merge the changes made in one branch of a file/folder into another branch. Generally, these two branches are generated from a common original version. After a merge, the changes made based on the original version will be merged into the target branch.

Here is the merge workflow chart. For more info on mergeable and unmergeable conflict types, please refer to [Resolve Conflicts](#).



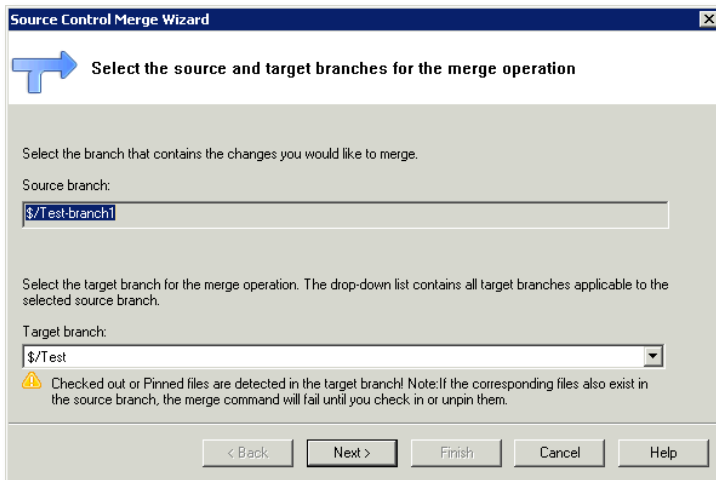
In order to merge items quickly and reliably, we suggest:

- Ensure Target Branch has no checked out or pinned items**
 If items in the target branch are checked out or pinned, they will fail to be updated. Please [check in](#) all items, or [undo](#) all outstanding check outs, before merging. Also, make sure all pinned items are [unpinned](#) before attempting a merge.
- Make sure the file you want to merge is mergeable**
 In SourceAnywhere, there are two file types: **Mergeable** and **Binary**. You can find out or change the type of a file via **File Properties** -> **General Tab** -> **Type**. SourceAnywhere cannot merge binary files. If the file you want to merge is binary, please convert it to a mergeable file before you can merge it.

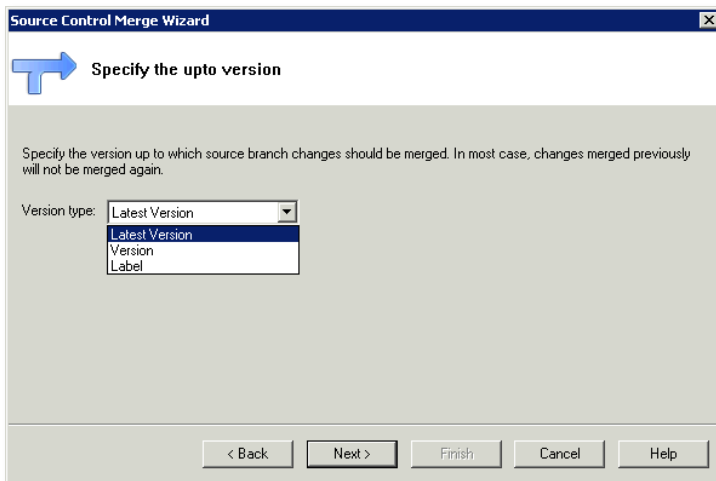
If you want to convert files in bulk, we suggest using our [File Type Convert Tool](#).

1. Select a file or folder item.

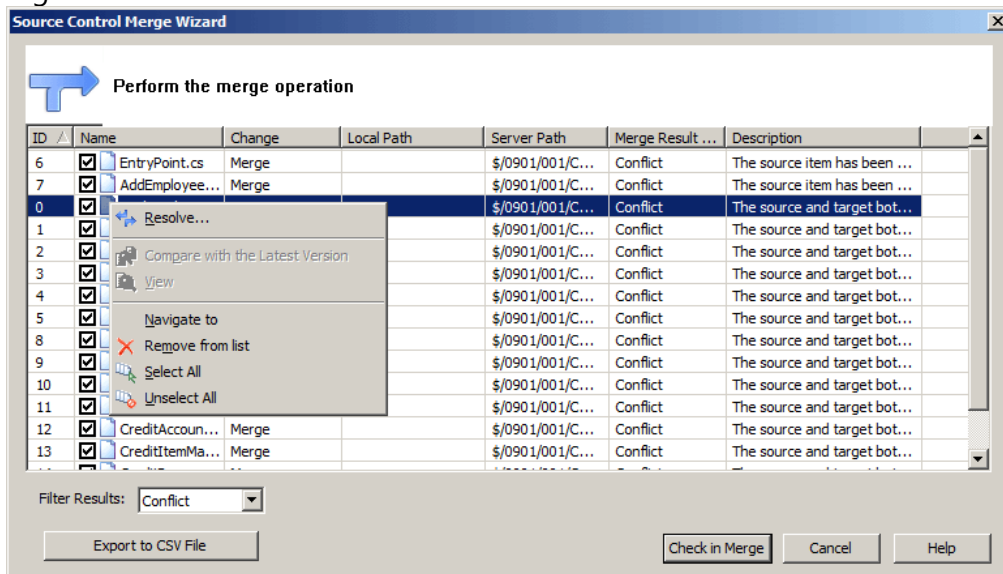
2. On the **Source** menu, click **Merge**.
3. Confirm target branch and click **Next**.



4. Specify version type to do Merge and click **Next**.



5. Click **Finish**.
6. Right click items to resolve conflicts.



7. **Check in Merge** as long as all conflicts have been resolved.

Shelve

When you are not ready to or cannot check in a set of checked out files, you may shelve these pending check-ins. Each shelve operation will create a shelve set. The changes in a shelve set can be restored into your working folders later.

Likewise, when you are ready to check in these files, you can restore these file versions from a shelve set to your working folders.

For details, please refer to [Shelve / Unshelve Pending Checkins >>](#)

Search file(s)

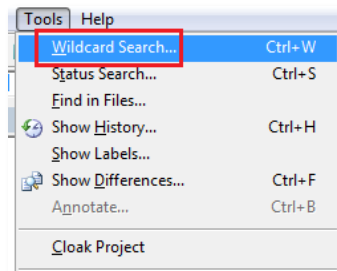
SourceAnywhere provides [Wildcard Search](#), [Find in files](#), and [Status Search](#). They are used to search files by names, contents and status (checked out) respectively.

Wildcard Search

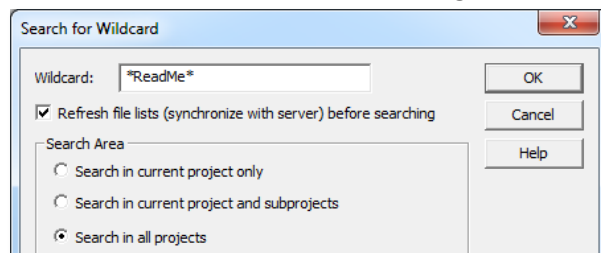
SourceAnywhere allows you to use wildcard characters to search one or more file(s).

Please follow the steps below.

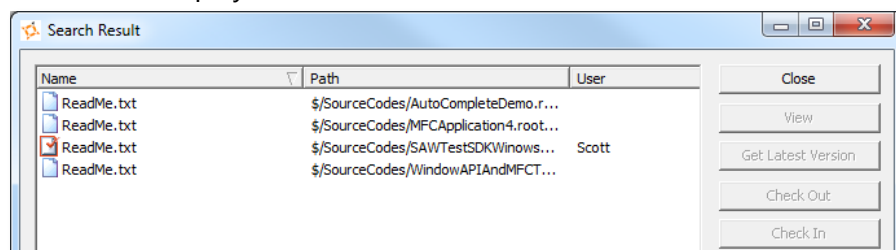
1. Go to **Tools** → **Wildcard Search**;



2. Enter file keyword in the box of **Wildcard**;
3. Input other conditions for searching the file;



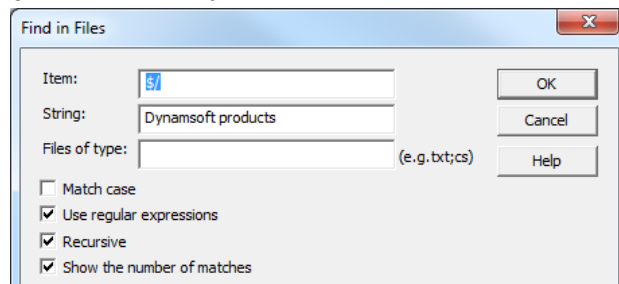
4. Click **OK** to display search result.



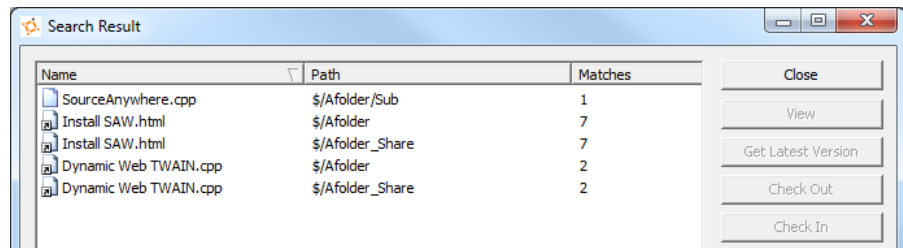
Find in Files

SourceAnywhere allows you to search letters or words in selected project(s). You can define the search criteria to query files containing specified letters or words in specific area. Please make sure **Cache Settings** value in Service Configurator are default.

1. Select a folder on GUI Client where you want to search;
2. Go to **Tools** → **Find in Files**;
3. Enter search item, keyword, and file type for **Item, String, and Files of type** respectively;



4. Click **OK** to display search result.



Status Search

SourceAnywhere allows you to search checked-out files within current repository. You can define the search criteria to query files checked out by specific user in specific area.

1. Click **Status Search** on **Tools** menu.
2. In Status Search dialog box, define the criteria for the search.
3. Click **OK** to display search result.