



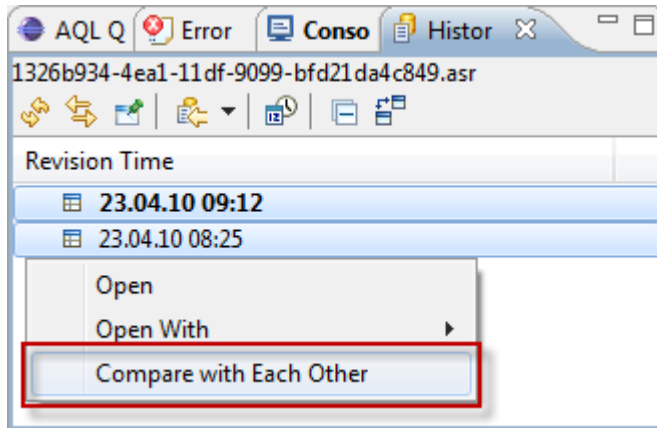


Tutorial

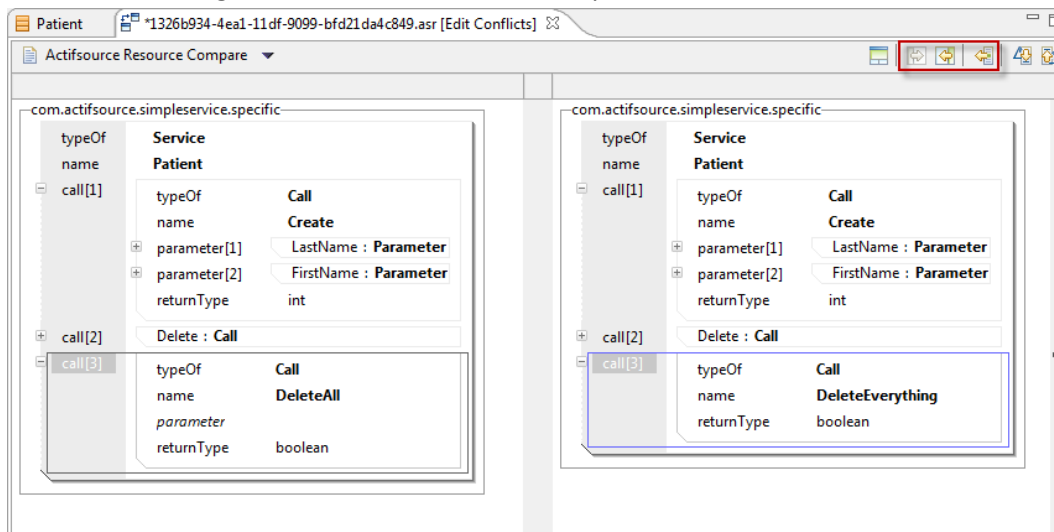
Team Support

Tutorial	Actifsource Tutorial – Team Support
Required Time	<ul style="list-style-type: none"> • 20 Minutes
Prerequisites	<ul style="list-style-type: none"> • Actifsource Tutorial – Installing Actifsource • Actifsource Tutorial – Simple Service
Goal	<ul style="list-style-type: none"> • Compare actifsource Resources using the Local History • Edit Conflicts using the actifsource Resource Compare Editor
Topics covered	<ul style="list-style-type: none"> • Setup VCS (Version Control System) • Install Eclipse Team Provider • Share Project • Local History • Edit Conflicts
Notation	<ul style="list-style-type: none"> •  To do •  Information • Bold: Terms from actifsource or other technologies and tools • <u>Bold underlined</u>: actifsource Resources • <u>Underlined</u>: User Resources • <u><i>UnderlinedItalics</i></u>: Resource Functions • Monospaced: User input • <i>Italics</i>: Important terms in current situation
Disclaimer	<p>The authors do not accept any liability arising out of the application or use of any information or equipment described herein. The information contained within this document is by its very nature incomplete. Therefore the authors accept no responsibility for the precise accuracy of the documentation contained herein. It should be used rather as a guide and starting point.</p>
Contact	<p>actifsource GmbH Täfernstrasse 37 5405 Baden-Dättwil Switzerland www.actifsource.com</p>
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- Setup your VCS (Version Control System)
- Install an Eclipse Team Provider
- Share your project using the Eclipse Team Support
- Compare actifsource Resources using the Local History



- Edit Conflicts using the actifsource Resource Compare Editor

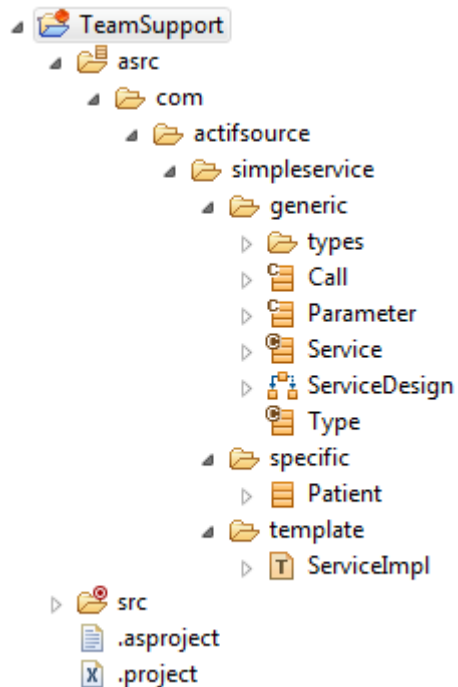


Part I:

Preparation

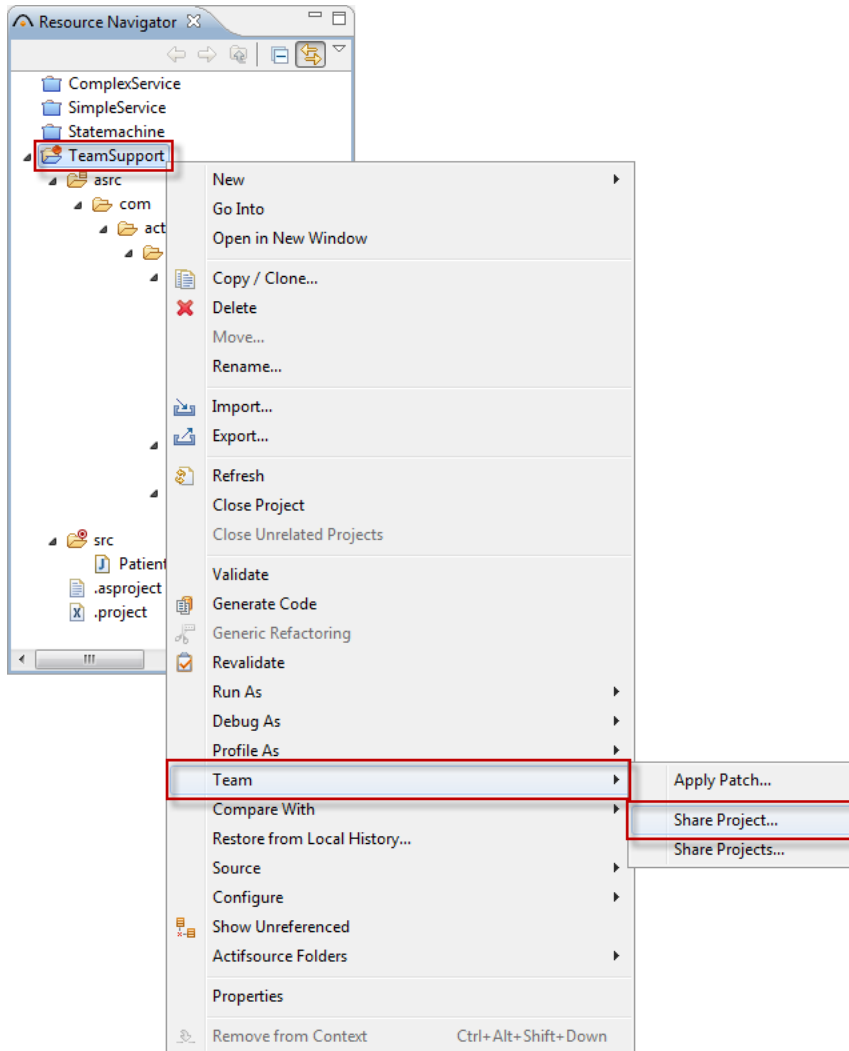
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- ↪ Prepare a new **actifsource Project** as seen in the *Actifsource Tutorial – Simple Service*
 - Setup the Target Folder *src*
 - Create a **Generic Domain Model**
 - Create a **Specific Domain Model**
 - Create a **Code Template**
- ↪ Use any package structure. For Example

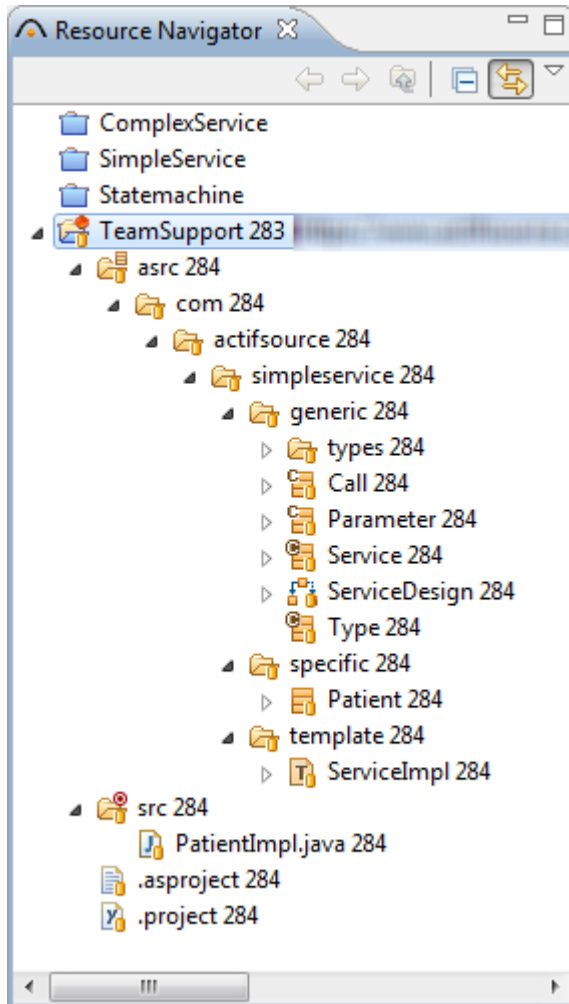


Share Project

- To share a project you have to setup a VCS (Version Control System) first
- You may choose one of the following
 - CVS: <http://www.nongnu.org/cvs/>
 - SVN: <http://subversion.apache.org/>
- To enable the Eclipse Team Support, you have to install an Eclipse Team Provider
- You may choose one of the following
 - Subversive: <http://www.eclipse.org/subversive/>
 - Subclipse: <http://subclipse.tigris.org/>



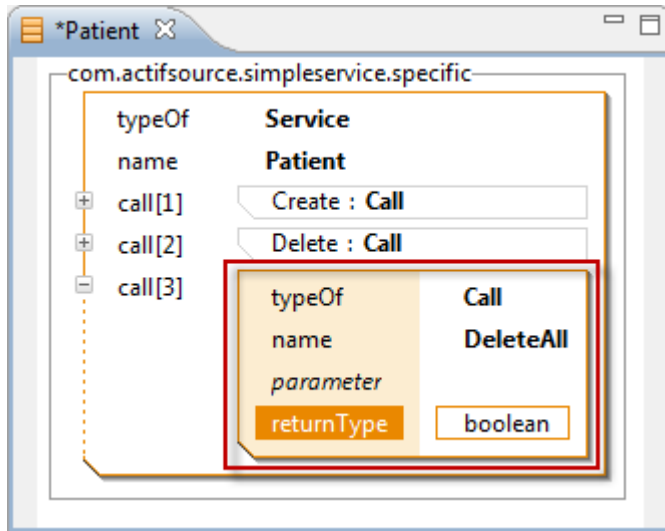
➤ Share your Project via the context menu *Team* on your project



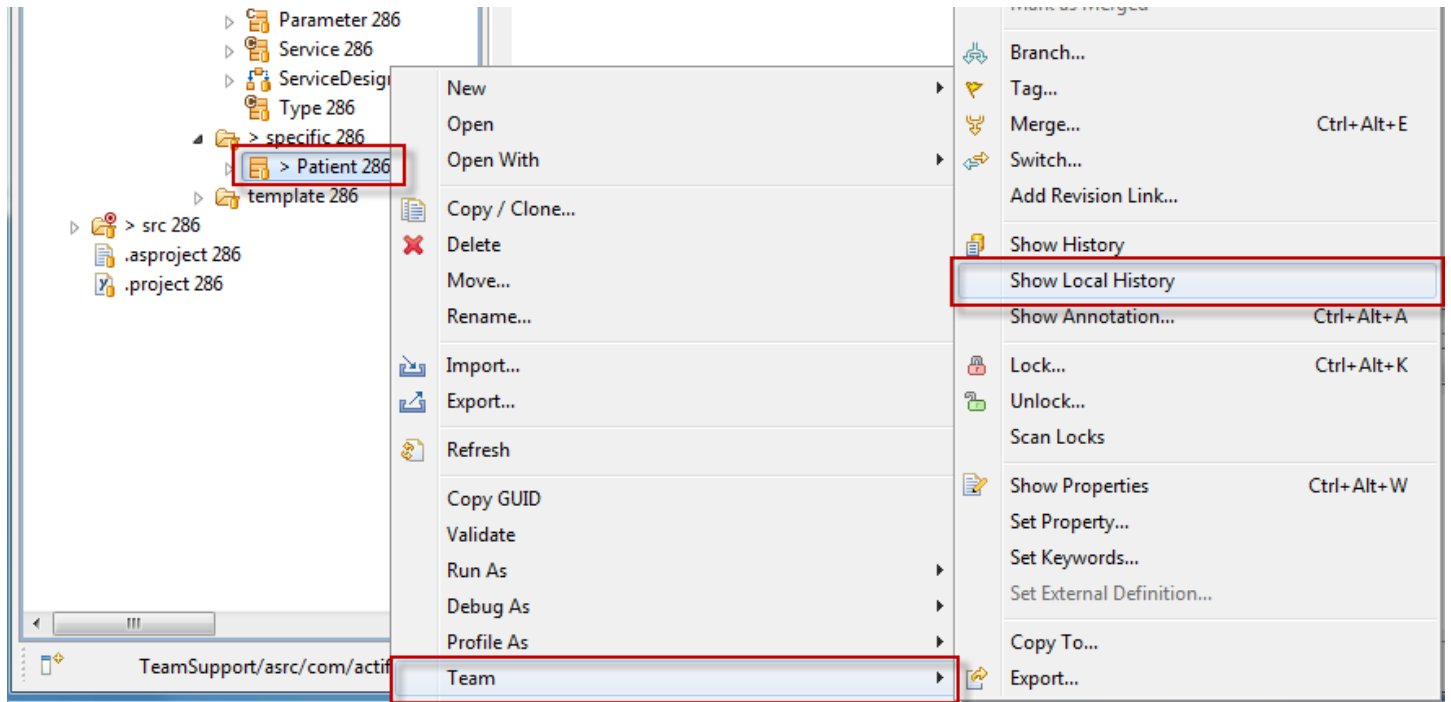
- The shared project shows revisions and icon overlays

Local History

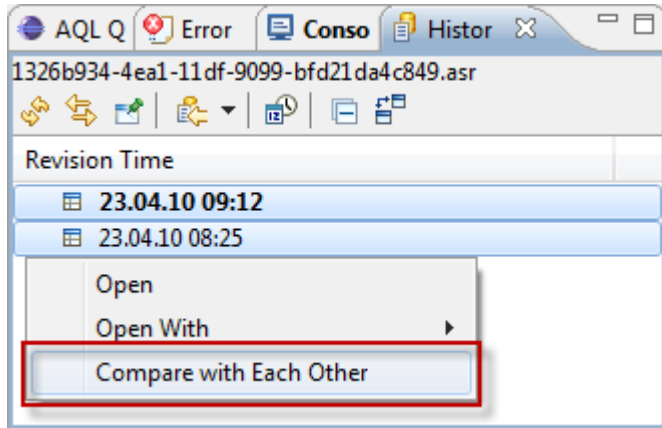
- The *Local History* is part of the Eclipse Team Support
- Note that the *Local History* works also on non-shared projects



- ↵ Change any of your **Resources**
- ↵ Save the **Resource**



- The '>' in the *Resource Navigator* indicates, that the **Resource** has been changed
- ↖ From the context menu of Patient choose *Team/Show Local History...*



- ↖ Select two of the shown versions of your interest
- ↖ From the context menu, select *Compare with Each Other*

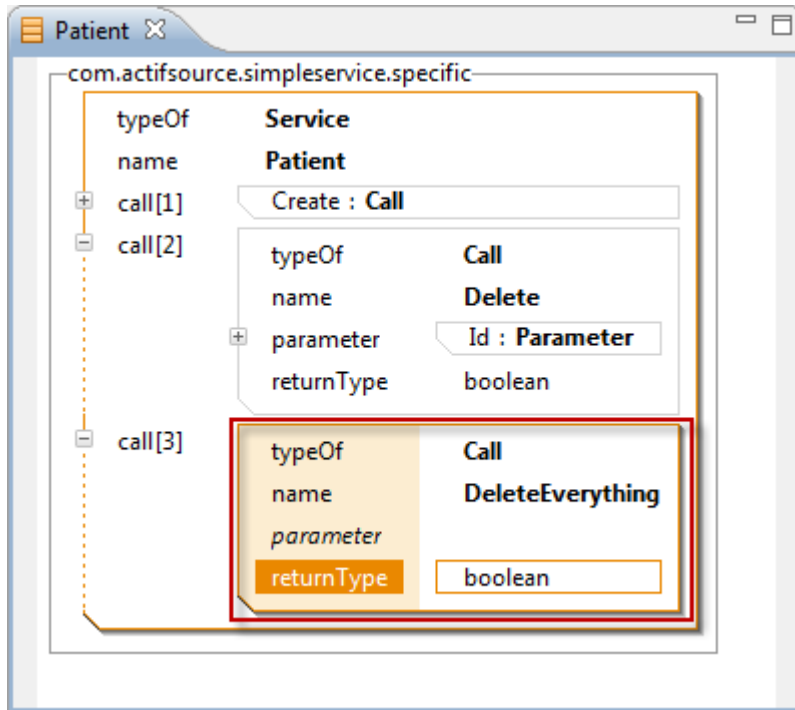
The screenshot shows the Actifsource Resource Compare Editor window. The title bar indicates the file being compared is 'Compare 1326b934-4ea1-11df-9099-bfd21da4c849.asr Current and Local Revision'. The main area is split into two panes, both displaying the same service definition for 'com.actifsource.simpleservice.specific'. The service is named 'Patient' and has three calls: 'call[1]', 'call[2]', and 'call[3]'. 'call[1]' is a 'Create' operation with two parameters (LastName and FirstName) and an integer return type. 'call[2]' is a 'Delete' operation. 'call[3]' is a 'DeleteAll' operation with a boolean return type. The interface includes a tree view on the left and a detailed view on the right.

Call	Operation	Parameters	Return Type
call[1]	Create	LastName : Parameter, FirstName : Parameter	int
call[2]	Delete		Call
call[3]	DeleteAll	parameter	boolean

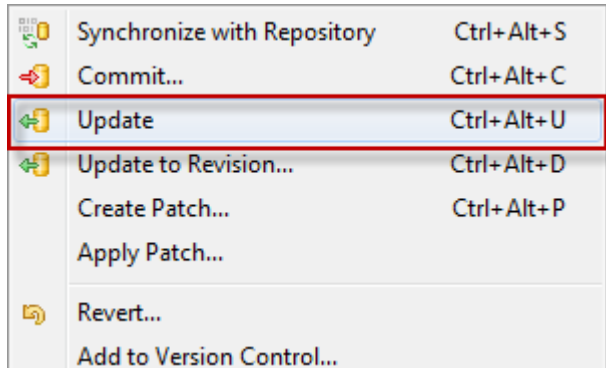
- The actifsource *Resource Compare Editor* will show you any changes between the selected versions

Edit Conflicts

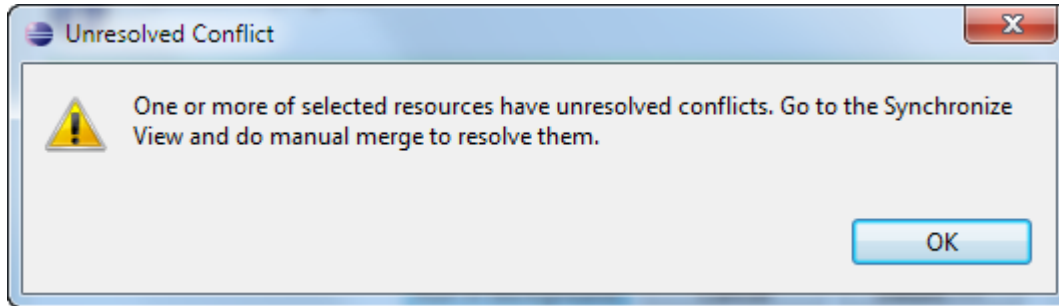
- Working in a team may lead to conflicts if more than one developer changes the same resource at the same time
- The *Resource Compare Editor* helps to resolve these conflicts



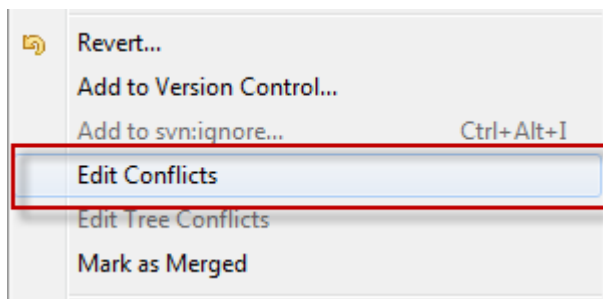
- ① In the meantime, another developer (Developer 2) added a new Call DeleteEverything to the Service Patient
- ① As we have added the Call DeleteAll in the same resource before, there will be a conflict when updating from the repository
- ↵ To simulate another developer, just check out your project on a different location
- ↵ Modify the resource as shown above
- ↵ Check in the modified resource to your repository



- ① Back to Developer 1
- ① Before checking in our modification (Call DeleteAll to the Service Patient) let's check for updates
 - From the context menu of your project, select *Team/Update*



- ① As expected, a conflict occurs



↪ From the context menu of the conflicting resource Patient, select *Team/Edit Conflicts...*

The screenshot displays the Actifsource Resource Compare Editor. The window title is "Patient" and the file name is "*1326b934-4ea1-11df-9099-bfd21da4c849.asr [Edit Conflicts]". The main area is titled "Actifsource Resource Compare" and is split into two panes, both showing the "com.actifsource.simpleservice.specific" package.

Left Pane (Local Version):

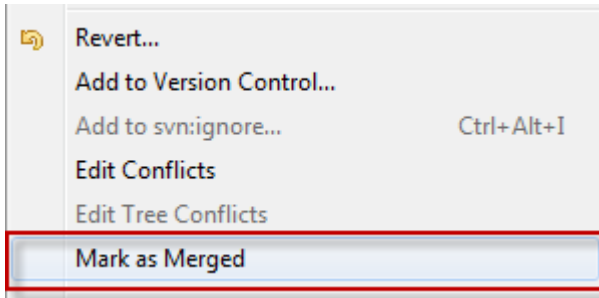
- typeOf: **Service**
- name: **Patient**
- call[1]: typeOf: **Call**, name: **Create**, parameter[1]: **LastName : Parameter**, parameter[2]: **FirstName : Parameter**, returnType: **int**
- call[2]: **Delete : Call**
- call[3]: typeOf: **Call**, name: **DeleteAll**, parameter: (none), returnType: **boolean**

Right Pane (Repository Version):

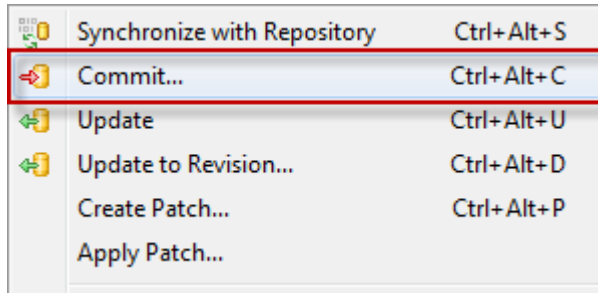
- typeOf: **Service**
- name: **Patient**
- call[1]: typeOf: **Call**, name: **Create**, parameter[1]: **LastName : Parameter**, parameter[2]: **FirstName : Parameter**, returnType: **int**
- call[2]: **Delete : Call**
- call[3]: typeOf: **Call**, name: **DeleteEverything**, returnType: **boolean**

A red box in the top right corner highlights three icons: a left-pointing arrow, a right-pointing arrow, and a double-headed arrow. A blue box highlights the "DeleteEverything" call in the right pane.

- ① The actifsource *Resource Compare Editor* will show you the changes
- ① Your local version on the left
- ① The repository version on the right
- ① Use the marked tools to copy changes from one version to the other



↪ Once resolved all conflicts, choose *Team/Mark as Merged* from the context menu



↪ From the context menu, select *Team/Commit* to commit the actual work to your repository

