# **Code Rewriting Tools**

The Script Editor also features the following text replacement tools:

- Revert File
- Compare With/Replace With (Local History)
- Toggle Block Selection

### **Revert File**

Near the top of the Script Editor context menu is the Revert File command. Revert File resets an unsaved script to the last saved change.

## Compare and Replace

Servoy keeps a record of all saved changes to a file.

#### To access and review previous versions of a script:

- 1. Use the **Compare With** command towards the bottom of the context menu in Script Editor. A file revision history will be shown on the right History view, with the last saved dates and times.
- 2. Double-click on your desired save date/time. The Script Editor will show a split pane window containing the current and previous versions, along with change indicators and navigational buttons to assist you in reviewing changes.

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🖹 Javascript Compare 🔻		🔄 🔩 📣 🕸 🖓	ēλ	
Local: globals.js		Local history: globals.js Apr 26, 2011 10:23:48 AM		
4 * @properties={typeid:35,uuid:"be1ee73c- 5 */		4 * @properties={typeid:35,uuid:"be1ee	ĥ.	
6 var appType_forError = '';		<pre>6 var appType_forError = '';</pre>	-	
7 8 /**		8 /**		
9 * @type Number		9 * @type Number		
10 *		10 *		
<pre>11 * @properties={typeid:35,uuid:"d1a87378- 12 */</pre>		<pre>11 * @properties={typeid:35,uuid:"d1a87 12 */</pre>		
13 var curID_form;		13 var curID_form;		
14		14		
15 /**		15 /**		
16 * @type Number 17 *		16 * @type Number 17 *		
18 * @properties={typeid:35,uuid:"45a787fe-		18 * @properties={typeid:35,uuid:"45a78		
19 */		19 */		
20 var curID_template;		20 var curID_template;		
21		21		
22 /**		22 /**		
23 * @type String		23 * @type String		
24 *		24 *		
<pre>25 * @properties={typeid:35,uuid:"beea0c12- 26 */</pre>		<pre>25 * @properties={typeid:35,uuid:"beea0 26 */</pre>		
<pre>27 var dialog_performMethod = ''; 28</pre>		<pre>27 var dialog_performMethod = ''; 28</pre>		
29 /**		29 /**		
30 * @type String		30 * @type String		
31 *		31 *		
32 * @properties={typeid:35,uuid:"4b4db217-		- 32 * @properties={typeid:35,uuid:"4b4db	4	
33 */		33 */	-	
34 var nov itemName - 11.		34 var nov itemName - '''	<u>*</u>	

3. Use the buttons on the top right of the comparison editor window to scroll through and make changes to the original file:



- a. Copy all non-conflicting differences from right to left.
- b. Copy current (selected difference) from right to left
- c. Next difference (scrolls through line differences)
- d. Previous difference
- e. Next change (jumps to actual character or piece of code that changed within a difference)
- f. Previous change
- 4. Save the file and close the compare window.

(i) Note:

All changes made in the left pane will be reflected in all open instances of the file (ie, the existing editor screen), even without saving.

### To go straight to replacing the existing code with the last saved version:

· Select Replace With>Previous From Local History from the context menu. The editor window will revert to the last saved version.

#### To review and replace the existing code with a previously saved version:

- 1. Select Replace With>Local History. A Compare Window will appear.
- 2. Double-click on the desired date/time for the file you would like to replace the current version.
  - A split pane will appear highlighting the changes.

\varTheta 🔿 🔿 Compare		
/servoy_sample_pdf_forms/globals.js		
Revision Time	· · · · · · · · · · · · · · · · · · ·	
4/26/11 10:23 AM		
■ 4/26/11 10:17 AM		
4/26/11 9:57 AM		
4/26/11 9:56 AM		
6	)++	
📓 Javascript Compare 🛛 🔻	A 🖗 49 🖗	
Workspace File	E Local History (4/26/11 10:17 AM)	
1/**	1/**	
2 * @type String	2 * @type String	
3 *	3 *	
4 * @properties={typeid:35,uuid:"be1ee73c-2aa5-4	4 * @properties={typeid:35,uuid:"be1ee73c-2a	
5 */	5 */	
6 var appType_forError = '';	<pre>6 var appType_forError = ''; 7</pre>	
8 /**	8 /**	
9 * @type Number	9 * @type Number	
10 *	10 *	
<pre>11 * @properties={typeid:35,uuid:"d1a87378-c99b-4</pre>	<pre>11 * @properties={typeid:35,uuid:"d1a87378-c9</pre>	
12 */	12 */	
13 var curID_form;	13 var curID_form;	
14	14	
15 /**	15 /**	
16 * @type Number	16 * @type Number	
<pre>17 * 18 * @properties={typeid:35,uuid:"45a787fe-d779-4</pre>	17 * 18 * @properties={typeid:35,uuid:"45a787fe-d7	
	19 */	
19 */		

Review the changes using the navigational buttons provided.
 Click on **Replace** to complete the replace process.

(i)

Note: In the Replace With mode, there is no option to replace each change individually).

### **Toggle Block Selection**

The Toggle Block Selection feature is available from the main toolbar, next to the Mark Occurrences button.



This feature allows users to select a block of text (column select) and make identical changes to each line. In the example below, the first four parts of the code are selected using Toggle Block Selection mode:

```
function _dev_temp()
{
    forms.main.elements.tabs_dialog.addTab( forms.core_dlg_generic, 'bob', 'bob',
    forms.main.elements.tabs_dialog.tabIndex = forms.main.elements.tabs_dialog.getMax
    forms.main.elements.tabs_dialog.visible = true
}
```

The selected block of text can then be replaced with new code parts, with the user typing only once.