# **Reviewing element history and inspecting changes**

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## **Displaying element history**

To display the history of an element, do one of the following

• Right-click the element or its symbol. From the shortcut menu select History.

CORBATypedef» Price		Lock	>
		Specification	Enter
	B	History	Ctrl+H
	B	Content History	
		Symbol Properties	Alt+Enter
	₽8	Select in Containment Tree	Alt+B
	品	Select in Inheritance Tree	
		Go To	>
		Display	>
		Related Elements	>
		Refactor	>
		Tools	>
		Edit Compartments	
		Stereotype	

- Select the element or its symbol and press Ctrl + H.
- Open the Specification window of the element and click the History button
- If it is a diagram, right-click an empty space on the diagram pane. From the shortcut menu select History.

Detrieving the element history takes too much time, you can click the Stop button to complete reviewing changes through different versions of the selected element.

	Element history			
Th Ca F	Retrieving element history		vindow, such as MagicDraw or a Cameo Suite product (i.e., I title is <b>Usage History</b> . The highlighted row indicates current	
ch the	<b></b>	Stop	panel's toolbar or perform the same actions as for opening	

🚯 Book Histo	ory		
Book History			@ # ×
🖎 - 😂 🥼 🔛	ŧ		
Project Version	Date	Author	Comment
⊡Today			
Current	N/A	aisale	N/A
···· #10	Wed, 18 Nov 2015 10:31:02 EET	jusbis	Reviewed. Updated Book's description.
⊡ This week			
··· #7	Tue, 17 Nov 2015 17:13:31 EET	aisale	Ready for review.
··· #6	Tue, 17 Nov 2015 17:12:37 EET	aisale	Working on design task.
··· #5	Tue, 17 Nov 2015 17:11:43 EET	aisale	Working on design task.
··· #4	Tue, 17 Nov 2015 17:10:15 EET	aisale	Working on design task.
··· #3	Tue, 17 Nov 2015 16:13:55 EET	aisale	Working on design task.
···· #2	Tue, 17 Nov 2015 16:11:13 EET	aisale	Working on design task.

A list of project versions in the History panel.

Godefault, the list of versions is stripped to a a small number of the latest versions. To see more versions, click the Show more results button under the list.

You can compare any two versions of an element to see the differences between them.

To display the history of an element in a used project

- 1. Open the element's Usage History panel, as described above.
- 2. Select the project version.
- 3. In the panel's toolbar, click the b button or right-click the selected version and select the Show History in Used Project command.

## **Comparing element versions**

to compare project versions in the Teamwork Cloud environment, you are required to have a Read Resources permission for every used project in

#### compared versions.

To compare element versions

1. Hold down Ctrl and select the versions you want to compare.

始 can only compare two versions. Please note that if you select more than two items, only two (the latest and the earliest versions) will be
compared.
We want to compare subsequent versions, you only need to select the later one.

- 2. On the panel's toolbar, click the 🔯 🔭 button or right-click the selection and choose either:

  - Quick Diff to inspect changes of element property values (such as documentation, type, or multiplicity) in a compact form.
    Full Diff to inspect changes of diagrams or element property values in a detailed form, as well as look at the properties of new relationships and directly related elements (such as new or modified attributes and operations).

After you select the **Quick Diff** command, a dialog opens that shows changes in element property values (see the following figure). Different colors help identify new, modified, and deleted values. You can analyze exact changes in the textual value of the selected property in the **Text Diff** box. If you want to

see the original texts of both versions, click the Compare property values button in the toolbar of the dialog to open the Compare property dialog and then click Original Texts.

Quick Diff of Class B	ook				
blue color, newly creat	ersions of the element. Modifie ed property values are are marked in red colo	marked in green			
🏥 24 🗱 👯			E	Į	
Properties		#4	#10	Ĩ	Inserted
Class	au de lita		a si sa ka		Modified
Visibility	public		private		
Owned Attribute			<ul> <li>Property Title</li> <li>Property Author</li> </ul>		Deleted
Generalization			Generalization		
Documentation					
▶ body			Book is one of the items to borrow from the Library.		
Text Diff					
Book is one of the ite	ms to borrow from t	he Library.	Close		

After you select the **Full Diff** command for an element, the **Difference Viewer** dialog opens, showing changes in element property values, as well as detailed information for directly related elements and new relationships (see the figure below). For more information about using this dialog, see Analyzing comparison results.

Difference Viewer	×
提 Differences	
🕫 🕸 🔄 🖓 💱 Display All Changes 🔹	- ÷
□··· Library System         □··· Relations         □··· Property Author         ··· O Property Title         □··· Comment	Summary/Legend × Differences (15) Added (4) Deleted (0) Modified/Moved (11) Change Details
E Customer E Librarian E Library Item E Loan E Loan E Loan E Loan E E Loan T E Loan E	Modified Book[Class]. Visibility from public to private  Changed order in Book[Class]. Owned Attribute
Specification	₽ ₽
	Properties: Expert 👻
Properties Base (MagicLibrary o	dasses #4) Compared (MagicLibrary dasses #10)
Base Classifier	Library Item [Library System]
Visibility public	private
Q Type here to filter properties	
Compension to miller properties	
	Close Help

An example of the Difference Viewer dialog of an element.

After you select the **Full Diff** command for a diagram, the **Difference Viewer** dialog opens, showing all changes in the diagram (see the figure below). For more information about using this dialog, see Viewing and analyzing differences of modified diagrams.

Difference Viewer			×		
提 Differences 圖 Domain (Compared (#13)) 圖 Domain (Base (#12)) ×					
문 Return to Differences 요 말	(Q)	⊕ Q 10	0% ~		
			^		
package Model[ B Domain ]					
Teacher has Class					
Student					
Student					
<			~		
Added 🗹 🖸 Deleted 🗹 🗖 Modified/Moved Display Differences: 🗹 🗖 Model 🗹 == Diagram					
Base (#12) Source (#12) Target (#13)					
[ <b>F</b> ]	С	lose	Help		

An example of the Difference Viewer dialog of a diagram.

Be aware that Quick Diff is not available for displaying diagram changes. Diagram changes (as diagram layout changes) can be displayed only in the **Full Diff** mode. To see these changes you must initiate the comparison of entire project versions. For this, select a couple of project versions in the **History** pan el and on the shortcut menu click **Compare Projects**. For more information, see Analyzing comparison results.

## **Generating reports**

To generate an element history report

- 1. Perform element history as described above.
- 2. On the **History** toolbar, click the Generate Report button.

Place Already Booked History				
Place Already Booked History				
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3. The Save As dialog opens to specify the location of the report file.

### **Related pages**

- Reviewing model history
- Analyzing comparison results