Model merge in Teamwork Cloud

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😡 need to have the Project Merge plugin installed to use the merge functionality.

Starting model merge

Start the merge using either of the following:

• From Collaborate > Merge From:

You can apply this method of starting a merge exclusively to Teamwork Cloud projects. For Teamwork Cloud projects, you do not need to specify the ancestor; it will be instantly identified after the source is selected. By default, the lowest common parent of two branches is considered a common ancestor.

• From Tools > Project Merge.

You can apply this method of starting a merge to both local and Teamwork Cloud projects, although used projects can be included in a merge only for server projects. You must specify both the source and the ancestor, and manually choose the 3-way or 2-way merge.

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· For Teamwork Cloud projects, the modeling tool automatically applies the 3-way merge, as a merge is only available between project versions

Soliciting changes detected during merge are automatically resolved by accepting changes either from the Source or the Target version. To specify a

contributen ago to Continue a Generative Contractive Marge and Compare and then payets Automatically Resolve Conflicts by Choosing celect

either Taegot megging activities.

• While the merge is in process in a server project on the Teamwork Cloud server, other users will not be able to commit project changes to the server, as it will be unavailable.

To start merge from **Tools** > **Project Merge**

- 1. Open a project that will be the target .
- 2. From the Tools menu, select Project Merge. The Merge Projects dialog will open within the active project selected as the target.
- 3. Select the type of merge.

Warn about 3-way and 2-way merge in Choosing merge type .

- 4. Select a project that will be the source.
- 5. If you selected 3-way merge, choose a project that will be the ancestor.
- 6. Click the Advanced button to see more merge options. Otherwise, go to step #8.
- 7. In the Optimize for drop-down list, select either:
 - Speed, to merge the projects faster. This will require more memory.
 - Memory, to decrease memory usage while merging the projects if your computer does not have enough memory. This will use less
 memory but at the same time will slow down the merge procedure when the project has many changes in diagrams. It will not include the
 differing diagrams/elements count. If you need that information, select optimize for Speed.

an also specify the Optimize for option in the Environment Options dialog. Find this option under the Merge and Compare

category in the General options group.

It the Low memory notification keeps popping up during merge, we recommend that you do one of the following:

- ° increase the amount of memory allocated for the modeling tool
- optimize Merge and Compare for Memory

🔀 Merge Projects		×
of a project. If a comm	scovering and copying changes between different versions non parent project (ancestor) of the merged projects is ay merge. Otherwise use the 2-way merge.	
Merging type:		
Source:	C: \Users \Desktop \Scooter source.mdzip	
Target (active project):	C:\Users\Desktop\Electric scooter system.mdzip	
Ancestor:		
Optimize for:	Speed	~
Advanced	Merge Cancel	Help

8. Click the Merge button. The project merge will start. If changes are found, the Merge window will open. Proceed to Analyzing and managing merge results.

Model merge for Teamwork Cloud

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To start a merge of the from Collaborate > Merge From

- 1. Open a server project that will be the target.
- 2. From the Collaborate menu, select Merge From.
- 3. In the opened dialog, select a server project that will be the source.
- 4. Click the **OK** button. The question message illustrated below appears.

🔀 Continue	Merging by locking the Project (Recommended)?	×
?	The server project must be locked to ensure a proper merge. During the merge process, no commits from other users will be accepted. Alternatively, you may proceed to see the Merge Result without locking your server project. However, please note that your merge may fail to comple Choose one of the following: • Continue to lock the server project • Show Herge Results without locking the server project • Cancel merge process and close the dialog	te if another user commits.
	Continue Show Merge Results	Cancel

- **5.** Do one of the following:
 - Click **Continue** to lock the server project. Other users will not be able to commit changes.
 - Click Show Merge Results to proceed directly to the Merge Results, without locking the server project.
 - Click Cancel merge process and close the dialog.
- 6. The project merge will start. If changes are found, the Merge window will open.
- 7. Proceed to Analyzing and managing merge results.

hthis case, Lowest Common Parent is considered a common ancestor by default.

To start merge from Tools > Project Merge

- 1. Open a project that will be the target .
- 2. From the Tools menu, select Project Merge. The Merge Projects dialog will open within the active project selected as the target.
- **3.** Select a project that will be the source.
- 4. Click the Advanced button to see more merge options. Otherwise, go to step #7.
- 5. In the Ancestor drop-down list, select either:
 - Lowest Common Parent to select the lowest common ancestor according to graph logic during the project merge.
 - Branch Point to select the version the branch was created from during the project merge.
- 6. In the Optimize for drop-down list, select either:

- Speed, to merge the projects faster. This will require more memory.
- **Memory**, to decrease memory usage while merging the projects if your computer does not have enough memory. This will use less memory but at the same time will slow down the merge procedure when the project has many changes in diagrams. It will not include the differing diagrams/elements count. If you need that information, select optimize for Speed.

	fication keeps popping up during merge, we recommend that you do one of the following:	
 increase the ar 	nount of memory allocated for the modeling tool	
Merge Projects optimize Merge	e and Compare for Memory	
Merge models		
Model merge allows dis	scovering and conving changes between different versions	
	scovering and copying changes between different versions	
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- 7. Click the Merge button. The question message illustrated in the previous section will appear.
- 8. Do one of the following:
- Click Continue to lock the server project and continue the merge process. Other users will not be able to commit changes. Click Show Merge Results to proceed directly to the Merge Results.
 9. The project merge will start. If changes are found, the Merge window will open. Proceed to Analyzing and managing merge results.

Related pages

- Model Merge
- Understanding merge types
- Understanding change concept
- Preparing for merge
- Analyzing and managing merge results

 - Getting merge summary information and changes legend
 Understanding content of the Merged Result panel
 Inspecting element property changes in the Specification panel
 - Inspecting changes in the Change details panel

 - Displaying and navigating through changes
 Quickly navigating through conflicting changes
 - Accepting and rejecting changes using shortcut menu
 - Viewing and analyzing changes of modified diagrams
 - Generating a differences report
- Finishing and canceling merge