# Starting Model Merge

# On this page

- Model merge for Teamwork Cloud
- Model merge for Teamwork server
- Local 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 server and 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. For Teamwork server projects, the 3-way merge will be applied if you select project versions from different branches. Please note that the 2-way merge will be applied if you select an older version from the same branch or trunk.

#### • From Tools > Project Merge.

You can apply this method of starting a merge to both local and server 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.

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

· Partial locking of a project occurs when merging changes of a project in the Teamwork Cloud. Only changed/updated and merging elements

Model merge for the project, not the project. Thus, actions with other server project elements are not interrupted for other users by locking

# To start a mendementine dractiv Cited saborate > Merge From

- 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
- Open a server project that will be the target.
   From the Collaborate menu, select Merge From.
- 3. In the opened dialog, select a server project that will be the source.
- Click the OK button. The question message illustrated below appears. 4. 🔀 Continue Merging by locking the Project (Recomme The server project must be locked to ensure a proper merge. During the merge process, no commits from other users will be accepted.

		Continue	Show Merge Results	Cancel
	Continue to lock the server project     Show Merge Results without locking the server project     Cancel merge process and close the dialog			
?	Choose one of the following:			
	Alternatively, you may proceed to see the Merge Result without locking your serve commits.	er project. However, please note that y	your merge may fail to comp	lete if another user

- 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.

# To start merge from Tools > Project Merge

(1)

- 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 #6.
- 5. 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.

<sup>5.</sup> Do one of the following:

You can also specify Merge Projects	the Ontimize for option in the Environment Options dialog. Find this option rail options group.	under the Merge and Compare
	scovering and copying changes between different versions of a project. If ect (ancestor) of the merged projects is available, use the 3-way merge. $\rightarrow$	*
Source:	Teamwork Cloud project v activity diagram[trunk] #3	
Target (active project):	activity diagram[Activity_diagram] #11	
Optimize for:	Speed	~
Advanced	Merge Cancel He	lelp

- 6. Click the Merge button. The question message illustrated in the previous section will appear.
- 7. Do one of the following:

(ii)

- 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.
- 8. 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 server

To start a merge 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. In the same dialog, click the 🗹 Advanced button to see more merge options. Otherwise, go to step #7.
- 5. 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**.

(a) can also specify the Optimize for option in the Environment Options dialog. Find this option under the Merge category in the Ge

neral options group.

6. In the **Used projects to include** list, select the used projects of the target you want to merge with the appropriate used projects of the selected source. To select a used project, click the check box next to the used project name (see the following figure).

	list includes only the projects that:	
î	are-used-by-the.target.in.the-read-write-accessibility.mode	î
	Used projects to include: Analysis and Design V have the same composition in both contributors MagicLibrary Requirements	
	do not have private parts	
	Optimize for: Speed	
	Advanced Merge Close Help	

7. 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.

To start merge from Tools > Project Merge

2. From the Tools menu, select Project Merge. The Merge Projects dialog will open within the active project selected as the target.

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<sup>1.</sup> Open a project that will be the target .

# 3. Select the type of merge.

roject that will be the ancestor. ore merge options. Otherwise, go to step #9 . t either: aster. This will require more memory. usage while merging the projects if your computer does if ill slow down the merge procedure when the project has unt. If you need that information, select optimize for <b>Spee</b> <b>imize for</b> option in the <b>Environment Options</b> dialog. Fil ons group.	s many changes in diagrams. It will not include the ed.
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8. In the **Used projects to include** list, select the used projects of the target you want to merge with the appropriate used projects of the selected source. To select a used project, click the check box next to the used project name (see the following figure).



Click the Merge buttor. The project merge will start. If changes are found, the Merge window will open. Proceed to Analyzing and managing merge resultave the same composition in both contributors

# Local model merge

# 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 ٠ 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**.

Merge Projects	X
	discovering and copying changes between different versions of a project. If a ect (ancestor) of the merged projects is available, use the 3-way merge. Otherwise e.
Merging type	: O B-way O 2-way
Source	Local project 🗸
get (active project)	: C:\Users\vikrub\Desktop\mdRC1\samples\diagrams\class diagram_1.mdzip
Ancestor	Local project

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.

# **Related pages**

- Understanding merge typesUnderstanding change concept
- Preparing for merge
- Analyzing and managing merge results
- Finishing and canceling merge