

Managing project files

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The Magic Teamcenter Connector allows you to expose PLM operations, such as saving, updating and revising, within No Magic modeling tools. This way you can manage and reuse UML/SysML models by storing model files as modeling baselines.

Saving project files

You can store UML/SysML project files in the Teamcenter repository. You can also save selected diagrams together with a project file. Diagrams are saved as images and can be viewed directly from the Active Workspace Client.

To save a project file in Teamcenter

1. Open the UML/SysML project that you want to save and [connect to the Teamcenter server](#).
2. In the main menu select **File > Siemens Teamcenter PLM > Save Project File**. The **Export Project File** dialog opens.
3. If you get the message that the project is modified, and you have to save it to continue the export, click **Yes**.
4. If needed, change the project name in the **Project name** box.
5. Click  next to the **Teamcenter folder** box, select the Teamcenter folder in which you want to save the project file and click **OK**.
6. Add the diagrams to be saved as images together with the project file (optional):
 - a. In the **Export Project File** dialog click the **Add Diagrams** button.
 - b. In the **Select Diagram** dialog, select the diagrams that you want to be saved with the project file. You can select multiple diagrams at once.
 - c. Click  to add the selected diagrams to the **Selected elements** area.
 - d. Click **OK**.
7. In the **Export Project File** dialog, click **Upload**.



Saving a project with a different name

If the project you want to save is already stored in the Teamcenter repository, you can save it with a different name. Select **File > Siemens Teamcenter PLM > Save Project File As** in step 2 of the above procedure and change the project name. The project file will be saved in a different UML SysML

Model item and the new version of the project will be loaded for editing in your modeling tool.

When the project file is saved, you get a confirmation message in the **Notification Window** of a modeling tool. Saving a project in Teamcenter creates a UML SysML Model item with a revision containing the dataset where model data is stored. Diagram images are stored in the same revision as individual datasets.

Loading project files

Load a UML/SysML project file saved in the Teamcenter repository directly from a modeling tool. This allows you to modify the project and update the project file in Teamcenter without leaving the modeling tool environment.

To load a project file from Teamcenter

1. Start your modeling tool.
2. In the main menu, select **File > Siemens Teamcenter PLM > Load Project File**.
3. If the **Connection Settings** dialog opens, enter your credentials and click **OK**, to connect to the Teamcenter server.
4. In the **Select UML SysML Model Item** dialog, select the UML SysML Model item that contains the project file you want to load.
5. Click **OK**.

When a project is loaded in a modeling tool, you can modify it and update the existing project file by using the **Save Project File** command as described in the above section. Also, you can save the project file in a new UML SysML Model item by using the **Save Project File As** command and specifying a different project name.

Creating revisions

In Teamcenter, a UML/SysML project file is stored in the revision of a UML SysML Model item. A single UML SysML Model item can have multiple revisions with different versions of a project file.

To create a UML SysML Model item revision

1. Start your modeling tool.
2. In the main menu, select **File > Siemens Teamcenter PLM > Revise**.
3. If the **Connection Settings** dialog opens, enter your credentials and click **OK**, to connect to the Teamcenter server.
4. In the **Select UML SysML Model Item** dialog, select the UML SysML Model item containing the project file for which you want to create a new revision.
5. Click **OK**.

After creating a new revision, the project file stored in that revision is automatically loaded in a modeling tool for editing. You also get a confirmation message with the revision name in the **Notification Window** of a modeling tool.

Related pages

- [Connecting to Teamcenter server](#)
- [Importing data](#)
- [Exporting data](#)
- [Data mapping](#)