

MapleMBSE User's Guide

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Introduction

MapleMBSE Overview

MapleMBSE™ gives an intuitive, spread-sheet based user interface for entering detailed system design definitions, which include structures, behaviors, requirements, and parametric constraints.

Related Products

MapleMBSE 2017 requires the following products.

- Microsoft® Excel® 2010 Service Pack 2 or Excel 2016.
- Oracle® Java® SE Runtime Environment 8.

If you are using IBM® Rational® Rhapsody® with MapleMBSE, the following versions are supported:

- Rational Rhapsody Version 8.1.2 or Version 8.1.3

Note that the architecture of the supported products (that is, 32-bit or 64-bit) must match the architecture of your MapleMBSE architecture.

Related Resources

Resource	Description
MapleMBSE Installation Guide	System requirements and installation instructions for MapleMBSE. The MapleMBSE Installation Guide is available in the Install.html file located either on your MapleMBSE installation DVD or the folder where you installed MapleMBSE.

For additional resources, visit http://www.maplesoft.com/site_resources.

Getting Help

To request customer support or technical support, visit <http://www.maplesoft.com/support>.

Customer Feedback

Maplesoft welcomes your feedback. For comments related to the MapleMBSE product documentation, contact doc@maplesoft.com.

1 Getting Started with MapleMBSE

In this chapter:

- *Launching MapleMBSE (page 1)*
- *Using MapleMBSE Specific Functions (page 3)*
- *Closing MapleMBSE (page 4)*

1.1 Launching MapleMBSE

To launch MapleMBSE:

1. From the **Start** menu, select **All Programs > MapleMBSE 2017**.
2. Click **MapleMBSE 2017**.
3. Browse to the location of your MapleMBSE configuration file (configuration files have an *.MSE* file extension), select the configuration file, and then click **Open**.

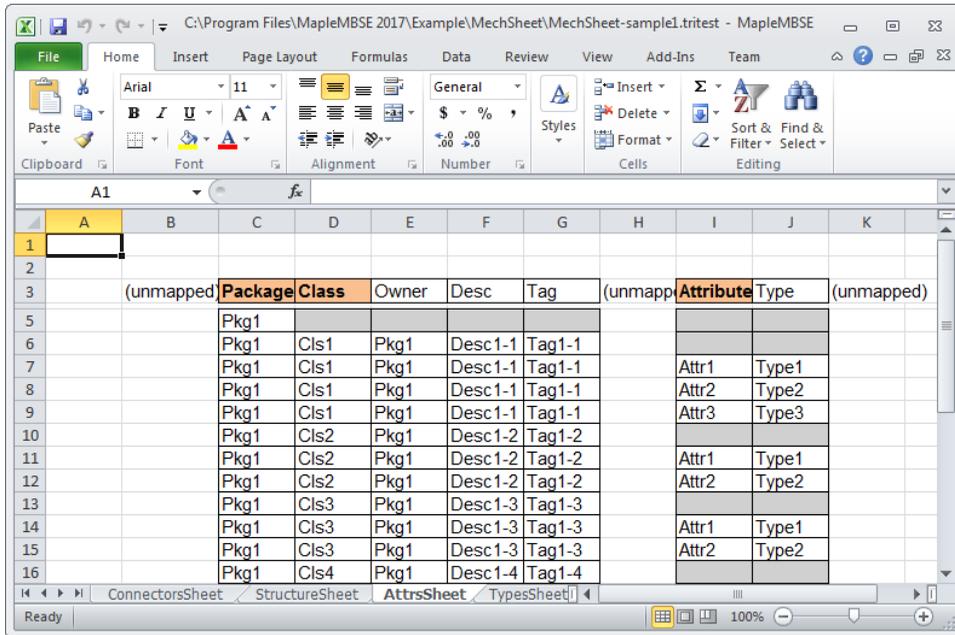
Tip: If you do not have a configuration file, you can open the sample configuration file, *<Install Directory>\Example\MechSheet\MechSheet.tritest.MSE*, where *<Install Directory>* is the install location of MapleMBSE 2017.

4. Browse to the location of your model file, select the model file, and then click **Open**.

Tip: If you do not have a model file, you can open the sample model file, *<Install Directory>\Example\MechSheet\MechSheet-sample1.tritest*, where *<Install Directory>* is the install location of MapleMBSE 2017.

Microsoft Excel opens with the model information inserted into the spreadsheet (see the following figure). You can edit the models in the spreadsheet by simply modifying cells and inserting rows. To save your model you simply save this Excel file.

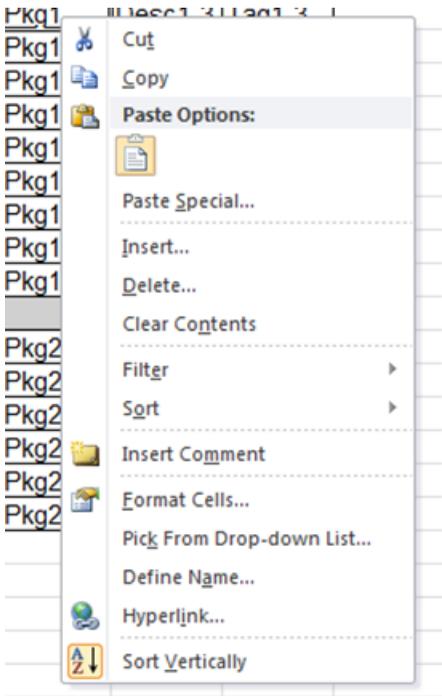
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Note: You can also start MapleMBSE by double-clicking a configuration file from your file manager. This skips the configuration file selection step and takes you directly to the **Open Model File** dialog.

Sorting Model Entries

To sort a range of entries as specified in the configuration file, right-click on the range MapleMBSE manages, and then select **Sort Vertically**.

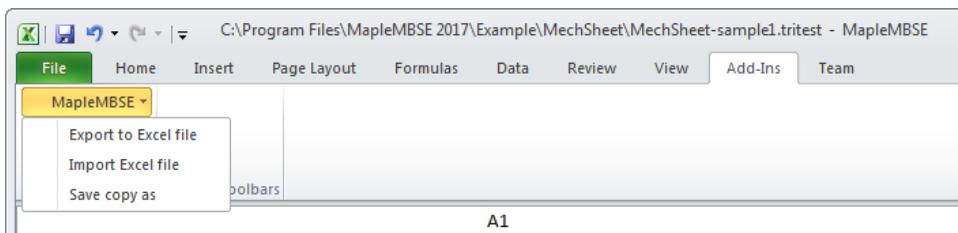


In a typical vertical table, you can sort rows vertically. In a horizontal table, you can sort columns horizontally. In a matrix, you can sort both rows and columns accordingly.

1.2 Using MapleMBSE Specific Functions

To access MapleMBSE specific functions, select the **Add-Ins** menu, and then expand **MapleMBSE**. Here you will find the following items:

- Export to Excel file
- Import Excel file
- Save copy as



Exporting and Importing Excel Files

Select **Add-Ins > MapleMBSE > Export to Excel file** to save the current worksheet to an Excel file.

Select **Add-Ins > MapleMBSE > Import Excel file** to load an Excel file into the model you currently have open.

Saving a Copy of the Current Model

You can save the current model to another model file and keep the current model file unchanged. This function allows you to take a snapshot of the model.

Specifically, any changes you save after creating the snapshot will only be saved to the current model and not to the snapshot.

To save a copy of the current model:

1. Select **Add-Ins > MapleMBSE > Save copy as**.
2. Enter a filename and location.
3. Click **Save**.

1.3 Closing MapleMBSE

To properly close MapleMBSE, you must close the workbook containing your model and all running instances of Excel.

When you close a MapleMBSE model, the following dialog opens reminding you to close all running instances of Excel before you can use MapleMBSE again.

