Integration with MATLAB

You can use MATLAB Version R2012a or later to evaluate expressions written in MATLAB syntax in Simulation Toolkit. You must install MATLAB and set up your modeling tools to call and use it.

Note /!∖

• For successful integration, you must use either the 64-bit or 32-bit version of MATLAB to align it with the 64-bit or 32-bit version of modeling

tools, e.g., MagicDraw or Cameo Systems Modeler.

• To enable the **Integrations** menu, you must change the perspective to **Full Featured**, **System Engineer**, or **Software Architect** (from the To integrate a modeling tool with MATLAB (on Microsoft Windows and Mac OS X) main menu, select Options > Perspectives > Perspectives, select Full Featured, System Engineer, or Software Architect, and click Apply

- 1. From the main menu, click Tools > Integrations. The Integrations dialog opens.
 - When integrating with MATLAB for the first time or changing the MATLAB version, you must restart your system. If the system has been

Reviously integrated with MATLAB, restart only the modeling tool.

th	there are problems with integrating MATLAB on Windows, please ensure that Antegrate with 3rd party application en try to integrate again. Select a 3rd party application and click Integrate/Remove Integration to start or remove the integration.		the administrator's privileges, and
		1	

X

You may integrate Magic	may integrate MagicDraw with these applications:			
Integration	Requirements	Status		
🕸 Mathematica	Mathematica 9 (or later)	Not Integrated		
🛸 Maple	Maple 17	Not Integrated		
MATLAB	MATLAB R2012a (or later)	Not Integrated		
⊟ Dymola	Dymola 2020x (or later)	Not Integrated		
	Integrate/	Remove Integration		
		Close Help		

2. Select MATLAB and click Integrate/Remove Integration. The MATLAB directory selection dialog opens.

X MATLAB directory selection	×		
MATLAB directory selection Please specify MATLAB home directory. Cameo Simulation Toolkit will add the required paths to PATH system environment variable.	薪		
Select MATLAB home directory (Example C\Program File\MATLAB\R2014a)) For those facing problems integrating, please run MagicDraw with administrator privileges.			
OK	Cancel		

- 3. Click Browse to specify the MATLAB home directory, e.g., C:\Program Files\MATLAB\R2019b.
- 4. Click OK and restart your system or the modeling tool.

Kote can manually verify the MATLAB integration process, e.g., setting the path of system variables in the Environment Variables to the correct

MATLAB path of each operating system, through the following links:

Related pages

- Using MATLAB on Microsoft Windows
 Integration with external Evaluators
 Using MATLAB on Mar OS
 Using MATLAB on Mar OS
 Using MATLAB on Linux
 Using MATLAB on Linux

- Connecting to a running MATLAB session
- Simulink co-simulation