



Cosimate 2016.04 v8.1.0

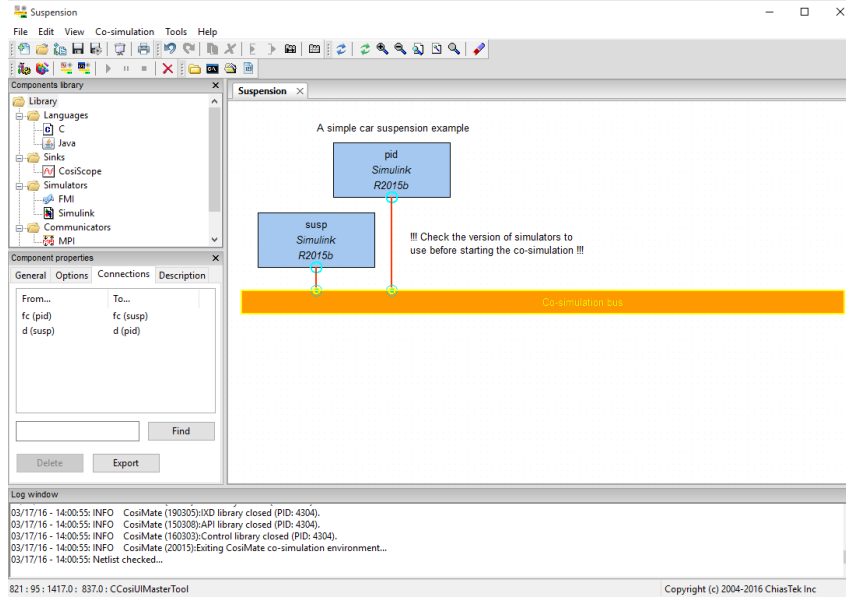
Release notes

Windows Platforms

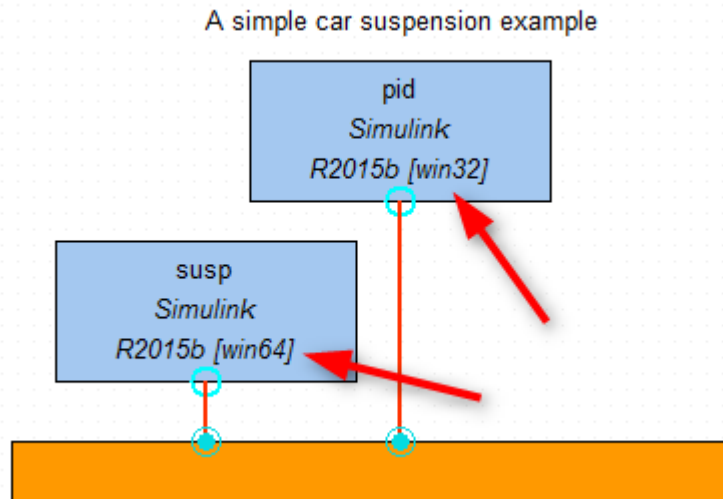
ChiasTek Inc,
31 Avenue Jean Francois Champollion
31100 Toulouse France
<http://www.chiastek.com>
<mailto:support@cosimate.com>

What's new

- Support of Windows 10
 - All CosiMate tools have been configured to fit the graphical and system requirements of Windows 10 and 8.x versions.



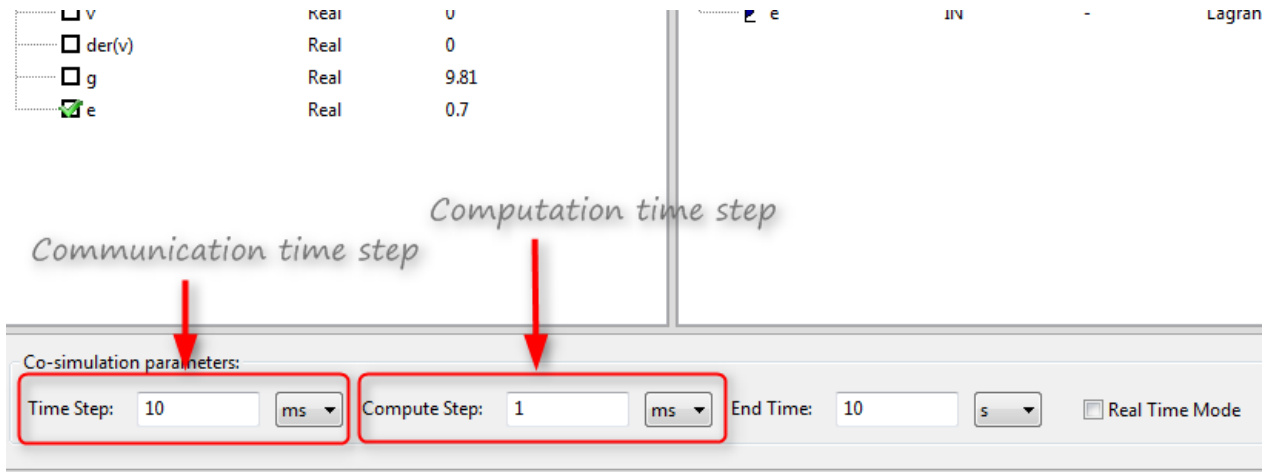
- 32/64-bits management of simulators coupling
 - The CosiMate solution has been improved to enable the management of several platforms (win32, win64) together for a given version of a simulator.
 - ✓ For example: the use of several instances of Simulink R2016b 64-bits with Simulink R2016 32-bits is allowed for a same co-simulation platform or for 2 different.



✓ **Note:** only available for 64-bits Windows operating systems.

- CosiMate bus update:

- Introduction of the computation time step vs the communication or co-simulation time step. Mainly used with connectors to enable of the use of extrapolation methods to improve the accuracy and the performances.




- Blocking co-simulations management: use of the INI parameter *GeneralSemaphoreTimeout* to fix a timeout on co-simulation synchronization points.
 - ✓ Useful for co-simulation runs in sequence as for Monte-Carlo analysis.
- Memory management improved: algorithms used to clean and reinitialize the memory.
- XCN/IXD management improved: use of XML Schema validation.
- Tools update:
 - Matlab/Simulink
 - ✓ Issues correction.
 - Saber/SaberHDL
 - ✓ Common setup package.
 - ✓ IXD v2.0 integration.
 - ✓ Issues corrections.
 - SaberRD
 - ✓ Co-simulation auto-start mode integrated: capability to start co-simulation from the Run button in SaberRD.
 - ✓ Issues corrections.
 - FMI
 - ✓ Model Exchange v2.0 integration.
 - ✓ Co-simulation v2.0 corrections and improvements.

- List of available interfaces for the release:

Company	Simulator/Language	All Supported Windows versions
The MathWorks	Matlab®/Simulink®	From V7.5 (R2007b) to V8.5 (R2016a)
Synopsys	Saber® HDL	From 2010.09 to 2016.03
Synopsys	SaberRD®	From 2010.09 to 2016.03
Synopsys	Saber® Designer	From 2006.06 to 2016.03
Synopsys	Virtualizer	From 2013.06 SP2 to 2015.12 SP1
Siemens / LMS International	Imagine.Lab AMESim®	From Rev 8 to Rev 14 SL2
Siemens / LMS International	Virtual.Lab Motion	From Rev11 SL1 to Rev12
Powersys	EMTP-RV®	From 2.2.x to 2.5
MSC Software	Adams®	From 2008 to 2013.2
MSC Software	Easy5®	From 2005 r1 to 2013
IBM Rational	Rhapsody® Developer C++ Edition	From 7.5.x to 8.0
Engineering Center Steyr	Kuli	From 8.0 to 9.0
Dassault Systèmes	Dymola	<i>Temporary not available</i>
-	OpenModelica	From 1.8.1 to 1.9.0
Mentor Graphics	Modelsim® SE	From 6.1f
Gamma Technologies	GT-Suite®	From 6.2 to 2016
Autodesk	Inventor® Dynamic Simulation	From 2013 to 2014
Powersim	PSIM®	From 9.2 to 9.3
Mechanical Simulation	CarSim	8.2.x
ANSYS	Mechanical APDL	16.1, 17.0
Siemens	NX I-deas TMG	11
-	FMI for Co-simulation and Model-exchange	1.0, 2.0

Microsoft	Visual C/C++	From 8.0 to 12.0 (VS 2013)
-	C/C++ (gcc)	All
Oracle Corporation	Java	From Java SE 7 and 8

Important Notes

- All GCN/XCN (CosiMate netlist) files created with CosiMate versions prior to 8.1 shall be updated using the Graphical User Interface:
 - Load the old GCN/XCN file in CosiMate
 - Click on **Save**. Save the GCN file.
 - Close the netlist, and re-open it. This action will correctly re-initialized all paths referenced in the netlist.
 - Generate the XCN file using the **Export XCN** feature ().

Known issues and limitations

For known issues and limitations please contact the CosiMate support at <http://support.cosimate.com/>.

Resolved issue

For more details concerning an issue, please contact the CosiMate support at <http://support.cosimate.com/>.

Supported platforms

CosiMate is a software product available on Windows Vista SP1/SP2, Windows 7 SP1, Windows 8.1 and Windows 10 operating systems.

CosiMate supports 32-bit and 64-bit Windows platforms.

For other platforms, please ask ChiasTek at info@chiastek.com.

Note: Under Windows Vista/7/8.1/10, it is recommended, for performance purposes, to turn off or decrease the sensitivity of the User Account Control (UAC) option.