Release_Notes

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What's new

- Main changes are kernel modifications to adapt to Windows 10 new versions.

- Corrected issues:

Bug number	Short description
#302	Coupling FMI: FMI 2.0 Co-simulation – crash during the free instance operation
#305	GUI: wrong connection when sliding bus block – Crit1
#306	GUI: selection of a default version in component library customization – Crit2
#307	Simulink Connector: platform selection (32/64 bits) - Crit 2
#308	Coupling GT-Power: .dat file needs to be reloaded before each new co-simulation, otherwise co-simulation fails.
#310	Coupling OpenModelica : multi installed Versions problem
#313	GUI: when changing a model data, if a "check netlist" is not performed, changes are not saved in IXD.
#316	Coupling Rhapsody : License Reactivation, Tests, Update, Needs, Development,.. Bernard for Netlist Interface
#317	Kernel: wait time for connection to the bus from XCN not taken into account. Default value of 120s is always taken.
#320	Coupling Rhapsody : development of the new coupling – Version Alpha
#325	GUI: impossible to open or create netlist in win7 32bits because a message window cannot stop opening with WXART2D environment variables warning
#326	CPL Saber: if Saber model has no output, synchronization is not done and Saber simulates alone.
#328	GUI: when importing an IXD which has the same model name as another model which already exists in the netlist, the model is overwritten with mixed parameters.
#330	GUI: ports init values are cleared in IXD by a check netlist
#336	Coupling CarSim : Coupling Code Evolution, integration and management of multiple versions API, project update and CarSimConnect (VB->C#), Testing
#338	CPL Saber : electrical input ports – variable undeclared
#340	Coupling OpenModelica : 64 bit and 32 bit versions management

#348	GUI : default platform not displayed when starting CosiMate
#349	CPL Simulink: Accelerator mode KO
#354	GUI : command field content not written to netlist
#356	GUI: when only one version of a simulator is installed, "open simulator" command fails
#359	KRN: local IP address not found on Linux in CCosiHost::IsLocalHost function
#361	CPL Saber: Initial value not taken into account in Analog ports
#366	On Windows 10 (and windows Server 2012), GCN file is saved with invalid reference ID for objects and then connections are not correctly made between bus and models when opening netlist again.
#367	CPL Flux : ambiguous behavior when no port is added
#370	FMI connector: automatic mode not working if model has relative path in the directory field.
#372	GUI and PAC: More than 32 cores machines are not managed
#373	Impossible to launch the connector when Flux numerical memory allocation in MB and/or Flux character memory allocation in MB values are upper to 2147.
#376	KRN: value of variable property not read when parsing IXD file
#377	GUI: Default version not taken into account for newly enabled version
#379	IXD Editor: in command line, tags "model:3" and "model:10" do not work
#381	CPL Saber/RD/HDL: confusion in DLLs leads to bad IXD generation and failed co-simulation
#386	GUI: when enabling a version of one coupling whereas there was no version enabled before, and then select the simulator and right-click to open simulator, GUI crashes

- Enhancements and new features:

evolution number	Short description
#282	Coupling ANSYS: delete .rxxx files at the end of co-simulation.
#351	GUI + Connectors: Add management of environment variables (with $) in the install path of simulators in component customization
#360	GUI: create dummy IXD for distant hosts so that netlist check can be performed
#374	GUI: add selection of platform when user clicks "Open Connector"

#382	CPL GT-Suite: Add option in coupling to open GT database before model opening and close it after model closure
#383	GUI: add possibility to open XCN file in Open menu of CosiMate.
#389	GUI: remove the rendition of environment variables in the component customization
#390	add #PLATFORM# keyword in commands of component customization
#391	CPL Adams: add possibility to adjust time step for Adams Car models

- List of available interfaces for the release:

Company	Simulator/Language	All Supported Windows versions
The MathWorks	Matlab®/Simulink®	From V7.5 (R2007b) to V9.8 (R2020a)
Synopsys	Saber® HDL	From 2010.09 to 2019.06
Synopsys	SaberRD®	From 2010.09 to 2019.06
Synopsys	Saber® Designer	From 2006.06 to 2019.06
Synopsys	Virtualizer	From 2013.06 SP2 to 2015.12 SP1
Siemens / LMS International	Imagine.Lab AMESim®	From Rev 8 to V2019.1
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 2019
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	*Temporary not available*
-	OpenModelica	From 1.8.1 to 1.12.0
Mentor Graphics	Modelsim® SE	From 6.1f
Gamma Technologies	GT-Suite®	From 6.2 to 2018
Autodesk	Inventor® Dynamic Simulation	From 2013 to 2014
Powersim	PSIM®	From 9.2 to 9.3
Mechanical Simulation	CarSim	From 8.2.x to 2019.0
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
Altair	Flux®	From 12.1 to 2019.1.1
ESI	ProSiVIC	2018.0

Known issues and limitations

For known issues and limitations 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.
Since version 9.0.0, CosiMate supports Linux OpenSuse 64bits.