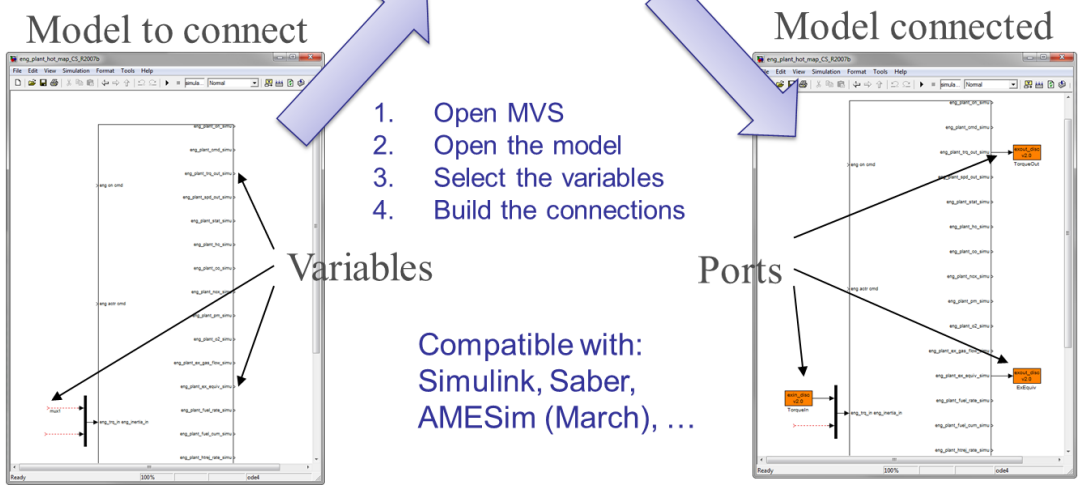# Release notes
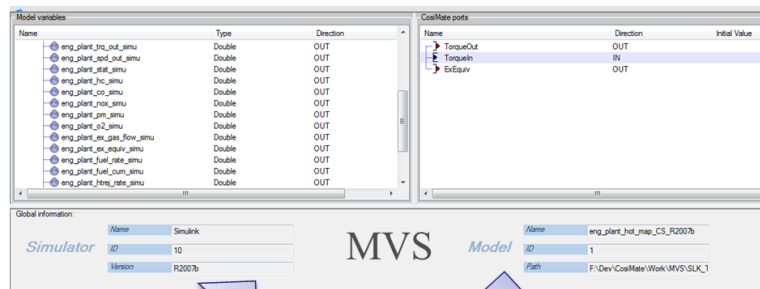
Windows Platforms

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What's new

- MVS: Model Variables Selector
  - Select the variables of a model
  - And easily connect them to the CosiMate bus
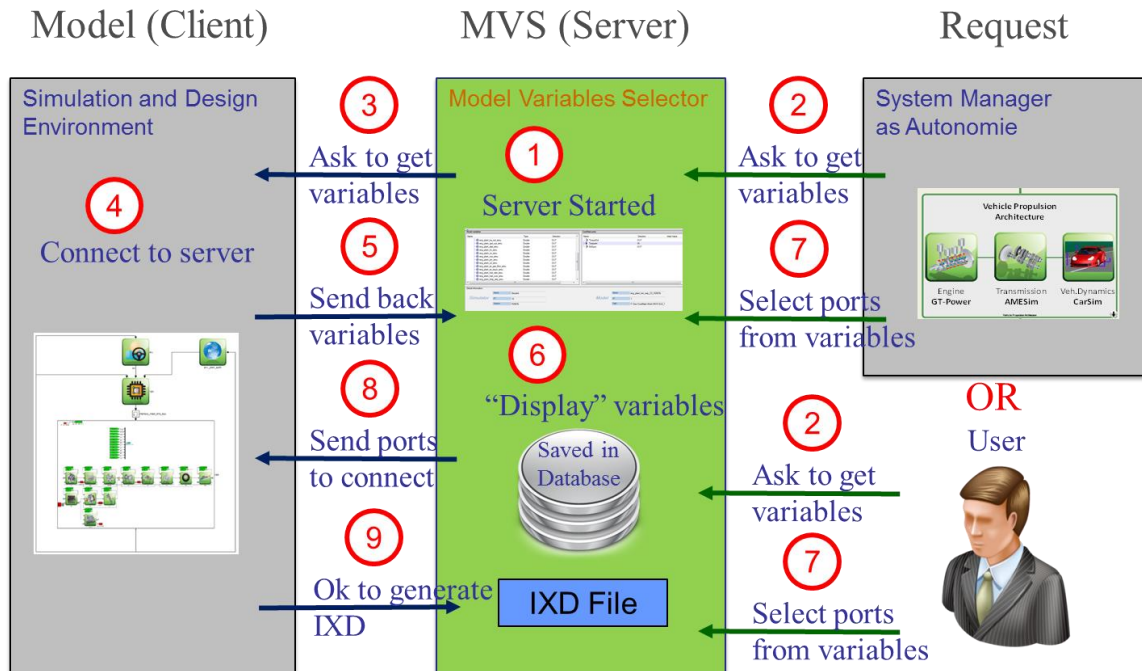
- MPI – Library extension
  - Users can now make a choice on the MPI library to use with CosiMate:
    - ✓ Microsoft MPI
    - ✓ IBM Platform MPI
  - Provides more flexibility (IT constraints), and may increase co-simulation performances in specific contexts.
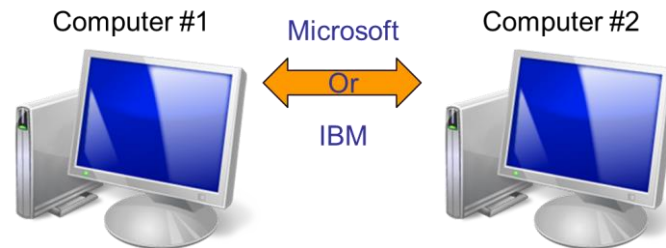
- Changes on file formats
  - Better management of models/platform descriptions
  - Platform description: XCN dependent from IXDs: introduction of a dynamic link between XCN and IXD files
    - ✓ 1 XCN -> n IXD: A platform is composed of several models.
    - ✓ 1 IXD -> n XCN: A model can be associated with more than one platform.
  - Benefits:
    - ✓ No duplication of co-simulation parameters (Ts, …)
    - ✓ Easier to manage, to maintain and to share.

2 CosiMate platforms can share the same models.
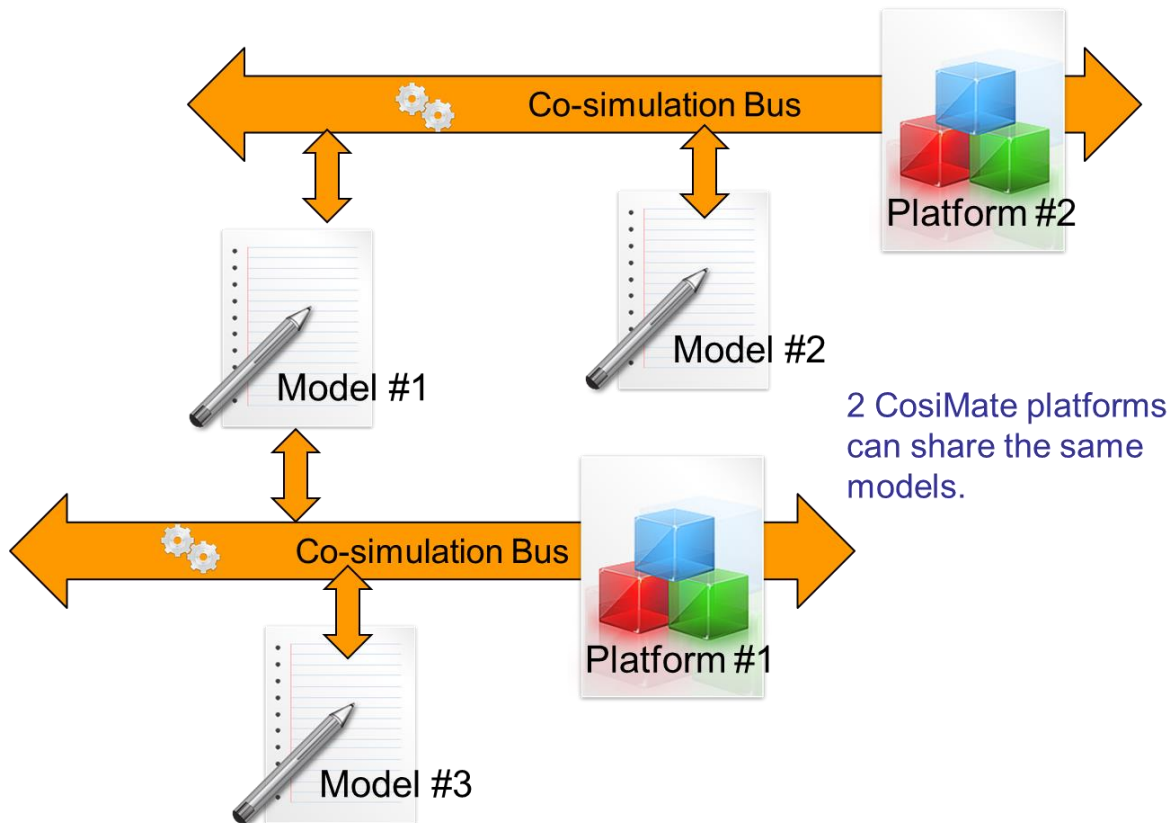
- CosiMate bus update:
  - Performances have been improved.
    - ✓ Compilation tools upgraded.
    - ✓ Synchronization mechanisms improved.
    - ✓ MPI technology extended with more performant distributions.
  - Stability improved with the corrections of several issues regarding:
    - ✓ Synchronization, couplings, API, …

- Tools update:
  - IXD editor:
    - ✓ Integration of IXD 2.0.
    - ✓ Advanced control from the command line.
    - ✓ Major corrections.
    - ✓ Better management of the IXD contents.
    - ✓ Documentation.
  - CosiMate Spy tool:
    - ✓ Major corrections.
    - ✓ Documentation.

- List of available interfaces for the release:

Company	Simulator/Language	Windows Vista SP1/SP2	Windows 7 SP1
The MathWorks	Matlab®/Simulink®	From V7.5 (R2007b) to V8.5 (R2015a)	From V7.5 (R2007b) to V8.5 (R2015a)
Synopsys	Saber® HDL	From 2010.09 to 2015.03	From 2010.09 to 2015.03
Synopsys	SaberRD®	From 2010.09 to 2015.03	From 2010.09 to 2015.03
Synopsys	Saber® Designer	From 2006.06 to 2015.03	From 2006.06 to 2015.03
Synopsys	Virtualizer	From 2013.06 SP2 to 2014.12	From 2013.06 SP2 to 2014.12
Siemens / LMS International	Imagine.Lab AMESim®	From Rev 8 to Rev 14	From Rev 8 to Rev 14
Siemens / LMS International	Virtual.Lab Motion	From Rev11 SL1 to Rev12	From Rev11 SL1 to Rev12
Powersys	EMTP-RV®	From 2.2.x to 2.5	From 2.2.x to 2.5
MSC Software	Adams®	From 2008 to 2013.2	From 2008 to 2013.2
MSC Software	Easy5®	From 2005 r1 to 2013	From 2005 r1 to 2013
IBM Rational	Statemate®	No longer supported	No longer supported
IBM Rational	Rhapsody® Developer C++ Edition	From 7.5.x to 8.0	From 7.5.x to 8.0
Engineering Center Steyr	Kuli	From 8.0 to 9.0	From 8.0 to 9.0
Dassault Systèmes	Dymola	Temporary not supported	Temporary not supported
-	OpenModelica	From 1.8.1 to 1.9.0	From 1.8.1 to 1.9.0
Mentor Graphics	Modelsim® SE	From 6.1f	From 6.1f
Gamma Technologies	GT-Power®	From 6.2 to 7.4	From 6.2 to 7.4
Autodesk	Inventor® Dynamic Simulation	From 2013 to 2014	From 2013 to 2014

Powersim	PSIM®	From 9.2 to 9.3	From 9.2 to 9.3
Mechanical Simulation	CarSim	8.2.x	8.2.x
Siemens	NX I-deas TMG	11	11
-	FMI for Co-simulation and Model-exchange	1.0 2.0 (co-simulation only)	1.0 2.0 (co-simulation only)
Microsoft	Visual C/C++	From 8.0 to 12.0 (VS 2013)	From 8.0 to 12.0 (VS 2013)
-	C/C++ (gcc)	All	All
Oracle Corporation	Java	From Java SE 7	From Java SE 7

Important Notes

Known issues and limitations

For known issues and limitations please contact the KiasTek support at http://support.kiastek.com/.

Resolved issue

For more details concerning an issue, please contact the KiasTek support at http://support.kiastek.com/.

Supported platforms

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

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

For other platforms, please ask KiasTek at info@kiastek.com.

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