

# **XMI Toolkit for Rhapsody®**

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## **Changes Document**



# Changes

Version	Defect #	Change
7.6.0.1	166117	MIWG : XMIToolkit should be able to export without Rhapsody roundtrip profile
	162518	MIWG : TestCase 14, SysML Parametrics <ul style="list-style-type: none"> <li>Improved management of flow/connectors in SysML: connection to sysmlPort are kept</li> </ul>
	162515	MIWG : TestCase 13, Complex InstanceSpecification Usage <ul style="list-style-type: none"> <li>Added Import/export of InstanceSpecifications</li> </ul>
	162514	MIWG : TestCase 12, Complex ActivityDiagrams <ul style="list-style-type: none"> <li>Added management of flow final</li> <li>Added management of swimlane.represents</li> <li>Improved export of swimlanes content</li> <li>Improved import of CallOperationAction (can have pins)</li> <li>Added import of UML2.3 Actions</li> <li>Added Import/Export of UMLActions using UMLAction Profile</li> </ul>
	162801	Import of RSx Diagrams <ul style="list-style-type: none"> <li>Improved import of State. Now search its name also in subregion.</li> <li>Improved graphical import of state containing one and only one region.</li> <li>Collaboration imported as Class</li> <li>Now a SD in a Class is not move into a package</li> <li>Development of a RSx plugin for diagram export</li> </ul>
	162803	EA Import improvement <ul style="list-style-type: none"> <li>Fixed import of #define elements</li> <li>Now import of constructor/destructor use the Rhapsody name convention (155645)</li> </ul>
	165354	MIWG : XMIToolkit should be able to export without Rhapsody roundtrip profile
	165352	UML mapping improvement requirement from users feedbacks <ul style="list-style-type: none"> <li>Improved export of Constraint. Where moved to nearest package even if the owner was able to contain it.</li> <li>Improved export of Port. Now Port contract exported only when required.</li> <li>Improved import of trigger. Now search its name also in event name.</li> <li>Now call/reception/creation events are created in the good context : Sequence diagram</li> <li>Added import of Component realization</li> <li>Fixed partial import of stereotyped elements: some stereotype application lost when profile not selected.</li> <li>Improved partial import : now able to detect if it is in a roundtrip context.</li> </ul>
7.5.3.6	140975	[Install] Fixed XMIToolkit install if path contains Japanese characters
	155368	[UML 2.x] Fixed activity diagram roundtrip
	155392	[UML 2.x] Fixed import of new term stereotypes inheriting from another one
	155656	[UI] Fixed parsing of format argument
7.5.3.5	155246	[UML 2.x] Added management of ContextSpecification
7.5.3.4	125044	[UML 2.x] Fixed roundtrip of Flows into Classes : now the flow stays contained into its original Class
	142156	[SysML] Improved import of project when profile is unselected
	142023	[UML 2.x] Improved swimlanes import : now connectors can be drawn into a swimlane
7.5.3.3	153378	[SysML] UML 2.3 not used by default in SysML export
7.5.3.2	27928	[UML 2.x] Added export of InteractionOperator "loop" multiplicity. With usage of type "loop[(min[,max])]"
7.5.3.1	152789	[GUI] Fixed plugin mode, can be now launched several times in same session
	152788	[GUI] Fixed SysML profile not-embedded export

	151430	[SysML] Added warning message in import if SysML Profile not installed
<b>7.5.3.0</b>	27986	[UML 2.x] Added export/import of labels
	125043	[SysML] Added export/import of implicit Constraint Parameters
	125044	[SysML] Improved import/export of BindingConnectors
	142023	[UML 2.x] Added import of Swimlanes, include: <ul style="list-style-type: none"> <li>- Swimlane import/export improvement</li> <li>- InterruptibleRegion import/export addition</li> </ul>
	142156	[SysML] Added in import automatic application of SysML Profile in Project
	152252	[UML 2.x] High SysML improvement based on MIWG <ul style="list-style-type: none"> <li>- Updated SysML to SysML 1.2</li> <li>- Added management of Assembly Connectors</li> <li>- Improved management of Flow Properties</li> <li>- Added management of VerdictKind</li> <li>- Added management of Requirement containment</li> <li>- Added Application of RequirementRelated stereotype</li> <li>- Fixing isConjugated feature</li> <li>- updated GUI</li> </ul>
	152254	[UML 2.x] Added integration of UML 2.3 import/export
<b>7.5.2.10</b>		[Doc] Update UserGuide for SPARX Enterprise Architect and IBM RSA RealTime imports
<b>7.5.2.9</b>	148290	[EA] Added import of SPARX Enterprise Architect diagrams
	148293	[EA] Improved SPARX Enterprise Architect import concerning: <ul style="list-style-type: none"> <li>- Added import of Boundaries as graphical Notes</li> <li>- Added import of EAPrimitiveTypes</li> <li>- Added import of EA Profiles, accept stereotypes/tags with spaces</li> <li>- Improved import of Port's Contracts (and relationships to Interfaces)</li> <li>- Improved Port on parts : creation/modification of part's type</li> <li>- Added graphical import of CombinedFragments and their InteractionOperands</li> <li>- Removed useless classes and graphnodes from lost/found messages</li> <li>- Added import of Operation on messages</li> <li>- Added import of CallOperations</li> <li>- Added import of TimeEvent</li> <li>- Improved import of SendEvent</li> <li>- Improved import of ReceiveEvent</li> <li>- Added join/fork distinction</li> <li>- Added import of subStatemachiens with their Enter/ExitPoints</li> <li>- Improved import of Ports : now imported as implicit ports</li> </ul>
	148294	[RSARte] Improved of RSA RTE profiled model, now oriented to Rhapsody modelling structure
	148298	[UML 2.1] Fixed import of Component, now mapped to Class
	148299	[UML 2.1] Now import accepts simple Realization for InterfaceRealization
<b>7.5.2.8</b>	142733	[UML 2.1] Fixed export of usecases unidirectional association ends
<b>7.5.2.7</b>	142092	[Linux] Fixed User Interface freezes in import/export
<b>7.5.2.6</b>	142733	[UML 2.1] Fixed export of association between Actors and Usecases
<b>7.5.2.5</b>	139716	[UML 2.1] Unable to export big models
<b>7.5.2.4</b>	140556	[SysML] Fixed export of classifier features on SysML Packages
	140151	[UML 2.1] Fixed import of nested elements for implicit objects
	138400	[UML 2.1] Integration of new stereotypes for interoperability
	140913	[UI] Fixed unit selection in import on specific pattern of separate files
<b>7.5.2.2</b>	133387	Now the installer is compliant with Windows7
<b>7.5.2.1</b>	125907	[UML 2.1] Now SequenceDiagrams into classifiers are managed
	137182	[UML 2.1] Fixing transitions with guard set to TRUE
	137169	[UML 2.1] Improving memory consumption in import by closing diagrams
	134397	[UML 2.1] Addition of the C# predefined types management
	132922	[UML 2.1] Import of RSA RTE profiled model

	132918	[UML 2.1] High improvement implied by Model Interchange Working Group <ul style="list-style-type: none"> <li>- Transition guards</li> <li>- ExecutionOccurrences</li> <li>- Associations</li> <li>- Import of ValueSpecificationAction</li> <li>- Port aggregation kind</li> <li>- Port contracts roundtripping</li> <li>- Attribute default value in case of Enumeration type</li> <li>- InstanceValue management</li> <li>- Property navigability in case of non structuredClassifiers</li> <li>- Import of submachines not nested into an higher one</li> <li>- InterfaceRealization nested into a Package</li> <li>- Profile import improvement (accepting new OMG standards)</li> </ul>
	132917	[UML 2.2] Added import/export of UML 2.2 files
	126081	[Doc] Fixed UserGuide screenshot mistake
	132919	[UML 2.1] Now AcceptEventAction and AcceptTimeEvent are managed
<b>7.5.1.6</b>	136213	[Linux] "command not found" message in shell during Toolkit execution
	132353	[UML 2.1] Error when exporting partial model containing PanelDiagrams
<b>7.5.1.5</b>	127121	[UML 2.1] Guard "true" added to Activity flows after export+import
<b>7.5.1.4</b>	126937	[UI] Error on SysML project when SysML profile is not selected for export
	125687	[UI] The checking of the absence of the file for export takes a lot of time
	125013	[UML 2.1] Return value of messages are lost after export+import
	124781	[UI] Now the last XMI File path is registered
	19301	[Tau]: Dependencies not connected to edges of Packages on OMD from Tau
	125907	[UI] UML 1.3 Additional arguments not used by the rules
<b>7.5.1.3</b>	124763	[UML 2.1] The SysML profile appears twice in the list of units to export
<b>7.5.1.2</b>	124768	[UML 2.1] Wrong text in the 'Units selection' page during import from XMI
	124773	[UML 2.1] Merging methods create an error
	124807	[UML 1.3] Multiple errors in Export on properties
<b>7.5.1.1</b>		[UML 2.1] Added Partial Export feature
		[UML 2.1] Added Partial Import feature
		[UML 2.1] Added File fragmentation option in export
		[UML 2.1] Added merging methods in import
		Updated User Interface
		[UML 2.1] Improvement of the interoperability through MIWG ( <a href="http://www.omgwiki.org/model-interchange">http://www.omgwiki.org/model-interchange</a> ) : Class Diagrams
		[UML 2.1] Fixed export of Transition's guard (now set to True)
		[UML 2.1] Fixed export of CallBehaviour (now manage inputPins)
	49381	[UML 2.1] Added management of the new tag expressivity (multiplicity, metaclass typing, valuespecifications)
	124559	[UML 2.1] Fixed export/import of local tags on same named elements
	123145	[UML 2.1] Fixed import of ItemFlows
		[SysML] SysML rules are now compliant with SysML 1.1
<b>7.5.1.0</b>	122606	[UML 2.1] Fixed management of root elements in import
<b>7.5.0.11</b>	122204	[UML 2.1] Fixed warning popup when using "Import as new project" feature
<b>7.5.0.10</b>	226031	[UML 2.1] Fixed import of standalone profiles
<b>7.5.0.9</b>	224045	[UML 2.1] Import of substatecharts with enter/exit points fails
<b>7.5.0.8</b>	223785	[UML 2.1] Error on export/import sequence diagrams with "import in new Project"
<b>7.5.0.7</b>	223431	[Tau] RhapsodyTAU: Crash on TAU project importing
		[UML 2.1] Added import in a new project
<b>7.5.0.6</b>	223168	Updated Tau icons
	222630	[UML 2.1] Fixed import of Control and Object flows
	222324	Updated exe icons
	221865	[UML 2.1] Fixed import of Flowchart on Operations

	221852	[UML 2.1] Fixed import of Join Sync Bar and Fork Sync Bar
	221556	[UML 2.1] Fixed import of subActivities and substatecharts
	221014	[SysML] Fixed export of classes stereotyped "Activity"
	220530	[SysML] Fixed import of Constraint parameters which had a 'standardPort' stereotype after import
	218054	[Linux] Fixed writing of temporary profiles which created access errors
	217994	[UML 2.1] Added mapping of Main Behavior
	217992	[UML 2.1] Fixed export of Accept event action
	215890	[UML 2.1] Fixed export of specific patterns of stereotype applications
	222423	Help contents added and About box removed in GUI
<b>7.5.0.5</b>	221437	[UML 1.3] Fixed regression on statecharts and events owner
<b>7.5.0.4</b>	220789	[UML 2.1] Fixed import of references to types with forbidden characters (char*)
<b>7.5.0.3</b>	220663	[UML 2.1] Added Unicode languages management
	218051	[Linux] Fixed SysML management for non-root users
	217669	[UML 2.1] Fixed export of Distiller sample
	209664	[UML 2.1] Added import/export of Components and Component Instances
		Added allignement with Rhapsody Gemini
<b>7.5.0.2</b>		[UML 2.1] Improved Enterprise Architect compatibility
		[Linux] Fixed stability problem when mixing export/import
<b>7.4.5</b>	217785	[Linux] Fixed crash when importing several projects on Red Hat5
		[UML 2.1] Improved MagicDraw compatibility
<b>7.4.4</b>	217730	[Java IBM] Fixed errors on export/import to XMI of Elevator sample
<b>7.4.3</b>	217732	[Java IBM] Fixed errors on import from XMI of SysMLHandset sample
	217746	[Java IBM] Fixed errors about triggers on XMI import of Radio sample
		[UML 2.1] Added management of Stereotype's attribute typed to Datatypes
<b>7.4.2</b>	217687	[UML 2.1] Fixed NullPointerException when reading some EA xmi.
		[UML 2.1] Fixed export using both SysML and Standard Profile Feature
<b>7.4.1</b>		Fixed problem creating errors when launching several times the XMIToolkit
		[UML 2.1] Fixed import of OutputPins
		[UML 2.1] Added reading of XMI UML 2.1 provided by Enterprise Architect
	109856	[UML 2.1] Added reading of XMI UML 2.1 provided by MagicDraw
		[UML 2.1] Improving Error management for SysML
	216794	[UML 2.1] Fixed import of Tags on Dependencies
	216557	[UML 2.1] Fixed import of InformationFlows in SysML
	216538	[UML 2.1] Fixed import of packages with space in their names
	215855	[Linux] Fixed crash which could happened on Java 1.5
<b>7.3 1.2</b>	215890	[UML 2.1] Fixed import of XMIs, with specific StereotypeApplication, which could crash the Toolkit
<b>7.3 1.1</b>		[UML 2.1] Improving SysML export for SysML ItemFlows
		[UML 2.1] Added export of realized flows
<b>7.3 1.0</b>	215589	[UML 2.1] Fixed import of complex patterns of containment
	212977	[UML 2.1] Fixed export of tags defined into a unloaded unit
	108944	[UML 2.1] Fixed import of Relation between implicit parts
	213194	[UML 2.1] Fixed import of Unidirectional Relations to a Classifier not contained into a Package
	215360	[UML 2.1] Fixing import of InstanceSpecification Extension
		[Tau] Now Simple and Shared Attributes to Classifiers are mapped to Relation
		[Tau] Now Generalization between Operations is mapped to Dependency <<Realization>>
		[Tau] Now ActionSymbols in SequenceDiagrams are prefixed by <<Action>>
		[UML 2.1] Added import of PackageImport
		[UML 2.1] Import : Now containment of unmanaged Classifiers are mapped into a Package
		[UML 2.1] Fixed import of StateVertex with same name
		[UML 2.1] Added the Standard Profile Export/Import feature
		[UML 2.1] Improving import of Expressions

	215359	[UML 2.1] Added management of ModelLibrary stereotype
		[Tau] Improving import of SequenceDiagrams
		[Tau] Added import of SubActivities and SubStatecharts
		[Tau] Added managing of StructureDiagrams
	214604	[UML 2.1] Fixed import of Statechart's transitions
		Fixing an error "setCollectionCashingMode" appearing on some new Rhapsody versions
		[Tau] Added managing of the decision into a DecisionNode in ActivityDiagrams
		[Tau] Now Actions are their name shown in ActivityDiagrams
		[Tau] Now ObjectNodes are their name shown in ActivityDiagrams
		[Tau] Added managing of subactivities in ActivityDiagrams
		[Tau] Added import of SequenceDiagram, ActivityDiagram, StateDiagram
		[Tau] Added import of ClassDiagram, PackageDiagram, UsecaseDiagram, DeploymentDiagram.
<b>7.2 1.5</b>		[UML 2.1] Fixed export of tag's default value
<b>7.2 1.4</b>	213011	[UML 2.1] Fixed export/import of flowport's properties
	212833	[UML 2.1] Fixed export of tags typed to Float
<b>7.2 1.3</b>		[Tau] Improving import of Tau models
<b>7.2 1.2</b>	105611	[UML 2.1] Added managing of stereotype extension mapping
<b>7.2 1.1</b>	211050	[UML 2.1] Added managing of tag typing
	209414	[UML 2.1] Added export/import of Flow ports
<b>7.2 1.0</b>	106698	[UML 2.1] Added managing of action Pins and action Parameters
		[UML 2.1] Added managing of SysML Profile
	103136	[UML 1.3] Added managing of Main statechart
	104866	[UML 2.1] Fixed import/export of System border in sequence diagram
	211051	[UML 2.1] Added : Now a subprofile of a profile is imported as a package (not flatten)
	209590	Linux: incorrect XML version in "About" Windows
<b>7.1 build 1.12</b>	105258	The "XML Version" field was too small in Linux Java JDK 1.5
<b>7.1 build 1.11</b>	103230	[UML 2.1]Fixed export/import of usecase's operations
<b>7.1 build 1.10</b>	103136	[UML 1.3]Added management of main behaviour for multiple statecharts
	103062	[UML 1.3]Fixed import of Termination State's name
	101017	[UML 2.1]Added management of Receptions
	98243	[UML 1.3]Fixed import of requirement's anchors
	96651	[UML 1.3]Fixed management of stereotypes to files : now the file is not lost in import
	96641	[UML 1.3]Fixed import of associations to Files
		Repackaging
<b>7.1 build 1.9</b>	105417	[UML 2.1]Fixed export of Project stereotypes
<b>7.1 build 1.8</b>	105635	[UML 2.1]Added management of Triggered Operation
	104866	[UML 2.1]Added management of System border in sequence diagrams
		[UML 2.1]Added management of event inheritance
	105634	[UML 2.1]Fixed export of statecharts contained into a File
	105613	[UML 2.1]Fixed export/import of stereotypes extending "Object_Type" on Files
	105609	[UML 2.1]Fixed export of stereotypes with same qualified name
		Fixed linux license checkin/checkout
<b>7.1 build 1.7</b>		Updated linux requirements section in documentation
<b>7.1 build 1.6</b>		[UML 2.1]Fixed import of inherited tags from already existing Profiles
<b>7.1</b>	103172	[UML 2.1]Fixed import of target of send actions

<b>build 1.5</b>		[UML 2.1] Added export/import of argument's value in send actions
		[UML 2.1] Fixed import of referenced sequence diagrams from use cases
<b>7.1 build 1.4</b>	96568	[UML 2.1] Fixed import of reference activity
	103922	[UML 2.1] Fixed import of Activity Diagrams containing actions with same name
<b>7.1 build 1.3</b>	103461	Fixed : Cannot run XML import/export from command line
	103348	[UML 2.1] Fixed : Redundant events containing class names were added after import
	103222	[UML 2.1] Fixed import of And States with static reactions
	103221	[UML 2.1] Fixed import of inverse Relation of an Instance
	103217	[UML 2.1] Fixed import of Attribute visibility
	103216	[UML 2.1] Fixed useless creation of package 'ImportUML21' when it is not necessary
	103191	[UML 2.1] Added import of flowchart contained by a package function
	103179	[UML 2.1] Fixed import of the 'Contract' field of port
	103137	[UML 2.1] Fixed import of multiple ActivityDiagram on classifiers
	103124	[UML 2.1] Added export/import of Files in Packages
	103109	[UML 2.1] Fixed import of predefined Stereotypes : some of them were created twice
	103068	[UML 2.1] Fixed import of Parts of objects/blocks
	103061	[UML 2.1] Fixed export/import of statechart connectors
	103054	[UML 2.1] Fixed import of Call operation
	103053	[UML 2.1] Fixed export/import of diagram and condition connectors
	103050	[UML 2.1] Now transition guard are no more displayed if their value equals to 1 (useless)
	102393	[UML 2.1] Fixed import of Event parameters
	101718	[UML 1.3] Fixed export of dependencies to unreachable elements
	101024	[UML 2.1] Fixed import of Message Arguments on Sequence Diagram
	100274	[UML 2.1] Added export/import of activity diagrams under packages
	98243	[UML 2.1] Fixed export/import of Requirement anchored links
	97321	[UML 1.3] Fixed import of association classes between files
	95470	[UML 2.1] Added export/import of Referenced sequence diagrams under use cases
	103208	[UML 2.1] Fixed import of Models with a name beginning by a number
<b>7.1 build 1.2</b>	103068	[UML 2.1] Fixed import of part in Objects and several bugs on Object relationships
	102393	[UML 2.1] Fixed import of Event Parameters
<b>7.1 build 1.1</b>	97389	[UML 2.1] Fixed export of Node
		[UML 1.3] Fixed import of imbricated Parts
<b>7.1 build 1.0</b>		Now logs are written in the XMI Toolkit directory created in the personal folder
		Added import/export of Tau Models
		[UML 2.1] Fixed import of Stereotype when its owner is not a Profile
		[UML 2.1] Fixed import of links
		[UML 2.1] Fixed import of return value of Operation
	101630	[UML 2.1] Fixed import/export of provided and required interfaces in Ports
		[UML 1.3] Fixed export of dependencies to Sequence and Collaboration Diagrams
	101322	Fixed import of Object nodes
	101617	Fixed export of Send Actions
	101626	[UML 2.1] Fixed export/import of Ports in Interfaces
	101628	[UML 2.1] Fixed import of multiplicity field in Ports
	101752	[UML 2.1] Fixed export of enter/exit point in nested And-states
	101754	[UML 2.1] Fixed import of And-states
		[UML 2.1] Added Import/Export of behavioralDiagrams collection in Classifiers and Packages
		[UML 1.3, UML 2.1] Added Import/Export of CallOperations
		[UML 1.3] Added Import/Export of behavioralDiagrams in Classifiers
		[UML 2.1] Added Import of Diagrams (ClassDiagrams and UseCaseDiagrams)
	101153	Fixed : The toolkit was enable to find his default properties
	101164	Fixed a problem with the window's size
	101209	[UML 2.1] Fixed : The project name is changed after import from XMI

		[UML 2.1] Fixed a bug which transformed a composition to a part
97609		[UML 2.1] Fixed import of objects exposed to a class
97614		[UML 2.1] Fixed import of links between parts
97624		[UML 2.1] Fixed import : Several elements missed their stereotypes
		[UML 2.1] Fixed a bug of classifiers contained by another
		[UML 2.1] Added more explicit error messages
		[UML 2.1] Fixed a bug with tags containing a space in their name
		[UML 2.1] Fixed bugs with setting name of some elements
		[UML 2.1] Fixed import of operations with a forbidden name (as 'register' in C++)