oose. Innovative Informatik

oose-UML-Toolliste Teil 1 von 2 (Stand: 14.11.2012)

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UML-Werkzeug	Eintragung am	Hersteller	Hersteller-Webseite	Werkzeug-Webseite	Version	Screenshots	UML-Version	SysML?	BPMN?	Zielgruppe	Klassendiagramm?	Komponentendiagramm?	Kompositionsstrukturdiagramm?	Objektdiagramm?	Paketdiagramm?	Profildiagramm?	Verteilungsdiagramm?	Aktivitätsdiagramm?	Anwendungsfalldiagramm?	Interaktionsübersichtsdiagramm	Kommunikationsdiagramm?	Sequenzdiagramm?	Timingdiagramm?	Zustandsdiagramm?	Codegenerierung?	Anpassung Codegenerierung	Generierbare Sprachen	Reverse Engineering?
Altova UModel	31.05.2012	Altova Inc.	www.altova.com	http://www.altova.com/umodel.html	Version 2012 Release 2	http://www.altova.com/umodel.html	UML version 2.3, XMI version 2.1	X	X	Developers and teams who want a cost-effective UML tool with high-end functionality for projects of all sizes.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Java, C#, Visual Basic .NET	X
AnyLogic	June 4, 2012	XJ Technologies	www.anylogic.com	www.anylogic.com	6.8.0	http://www.xjtek.com/anylogic/overview/screenshots/, htt	Any	X	X	modelers, consultants, engineers, analysts, researchers, academics, risk, logistics managers, top management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	The tool generates Java code based on a model created with AnyLogic components	Java	-
AnyLogic	13.11.2012	The AnyLogic Company	www.anylogic.com	www.anylogic.com	Current version 6.8.1	www.anylogic.com/screenshots	Any	X	X	modelers, consultants, engineers, analysts, researchers, academics, risk, logistics managers, top management	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	The tool generates Java code based on a model created with AnyLogic components	Java	-
ArgoUML	31.05.2012	Open Source Project	http://argouml.tigris.org	http://argouml.tigris.org	0,34	http://argouml.tigris.org	1,5	-	-	Software developpers	X	X	-	X	X	-	X	X	X	-	X	X	-	X	X	-	Java, C++, PHP4, PHP5, SQL, CSharp	X
Astah	31.05.2012	Change Vision, Inc.	http://astah.net/	http://astah.net/	6.6.3	http://astah.net/editions/professional	2.x	X	-	Engineers	X	X	X	X	X	-	X	X	X	-	X	X	-	X	X	Available with Astah API	Java, C#, C++	X
EclipseUML	06.01.2012	Omondo	http://www.omondo.com	http://www.ejb3.org/	Eclipse 3.8 UML	http://www.ejb3.org/UML_diagrams.html	2,4	-	-	Java and JEE development	X	X	X	X	X	-	X	X	X	-	X	X	-	X	X	X	Only Java/JEE	X
Enterprise Architect	31.05.2012	SparxSystems Software GmbH eine Tochter des Australischen Hersteller Sparx Systems Pty	www.sparxsystems.de	www.sparxsystems.de	9.3	http://www.sparxsystems.de/uml/ea-function/	2.4.1	X	X	SparxSystems Enterprise Architect wird von Unternehmen aller Größen, von namhaften multinationalen Organisationen, kleinere unabhängige Unternehmen und Berater eingesetzt. Enterprise Architect ist auch in einem breiten Spektrum von Branchen vertreten, darunter im Einsatz bei: Luft-und Raumfahrt, Bank-, Web-Entwicklung, Maschinenbau, Finanzen, Medizin, Forschung, Wissenschaft, Verkehr, Einzelhandel, Versorgungsunternehmen (Gas, Strom etc.), Elektrotechnik und vieles mehr	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		Frei wählbar/erweiterbar	X
MetaEdit+	31.05.2012	MetaCase	www.metacase.com	www.metacase.com	5.0	www.metacase.com	2.x (fully open metamodel that can be customized)	-	X	Software and system developers, architects, subject matter experts, language engineers	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Any, since the code generation system is open and lead developers can define own generators. Sample generators available for Assembler, PLC, C, Java, Python, C++, Smalltalk, SQL etc.	X
Metamill	17.06.2012	Metamill Software	www.metamill.com	www.metamill.com	6	http://www.metamill.com/screenshots.htm	2,3	-	-	business	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	limited	c,c++,c#,java,vb.net	X
Modelio	06.06.2012	Modeliosoft	www.modeliosoft.com	www.modeliosoft.com; www.modelio.org	2.2	http://www.modelio.org/about-modelio/screenshots.html	2.5	X	X	Developers, Designers, Architects, System Architects, Business Analysts	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	Java, C#, SQL, C++, XML	X
ModelMaker	03.06.2012	ModelMaker Tools	http://www.modelmakertools.com	http://www.modelmakertools.com	11,2	http://www.modelmakertools.com	2.x	-	-		X	X	X	X	X	-	X	X	X	-	X	X	-	X	X	Via ActiveX dlls	C# Delphi	X
objectiF	13.07.2012	microTOOL GmbH	http://www.microTOOL.de	http://www.objectiF.de	7.1	http://www.objectiF.de	UML 2.1	-	X	Facharchitekten, Organisatoren, Architekten, Entwickler, Datenmodellierer	X	X	-	-	X	X	-	X	X	-	-	X	-	X	X	Scripting über COM API, Definition von Modelltransformationen (M2M, M2C)	Java, C#, C++, weitere möglich	X
Poseidon for UML	31.05.2012	Gentleware GmbH	www.gentleware.com	http://www.gentleware.com/new-poseidon-for-uml-8-0.ht	8.0	http://www.gentleware.com/new-poseidon-for-uml-8-0.ht	2	-	-		X	X	-	X	X	-	X	X	X	-	X	X	-	X	X	über EMF/Xtend	beliebig	
RTDS	01.06.2012	PragmaDev	www.pragmadev.com	http://www.pragmadev.com/product/modeling.html	V4.31	http://www.pragmadev.com/product/modeling.html	2.X profile based on SDL (Z.109)	-	-	Embedded and real time software	X	-	X	-	-	-	X	-	X	-	X	-	-	X	X	Yes including integrations with VxWorks, ThreadX, OSE Delta, OSE Epsilon, CMX, uITRON, Posix, Nucleus, win32, or a built-in scheduler.	C/C++	X
SAP Sybase PowerDesigner	13.06.2012	Sybase GmbH	www.sybase.de	http://www.mypowerdesigner.com/	V16.1	s. rechte Seite	2.0	-	X	Business Architects, Business Analysts, Enterprise Architects, Solution Architekts, Date Modeller, DBA's	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Analysis,C++, C#, Java, EMF, IDL-CORBA, PowerBuilder, Visual Basic, XML	X
Sinelabore Codgen	31.07.2012	Sinelabore.com	www.sinelabore.com	www.sinelabore.com	02.08.2002	http://www.sinelabore.com/Main/Main.html	2.1	-	-	Embedded Software Developers	-	-	-	-	-	-	-	-	-	-	-	-	X	X	X	X	C, C++, Java, Ada, C#	
UML Lab	01.06.2012	Yatta Solutions GmbH	http://www.yatta.de/	http://www.uml-lab.com/	1.4.3	http://www.uml-lab.com/uml-lab/screenshots/	2.3	-	-	Architekten und Entwickler, die UML und Quellcode verwenden wollen	X	-	-	-	X	X	-	-	-	-	-	-	-	-	X	Komplett konfigurierbar, templatebasiert (XPand)	beliebig, Java und PHP werden mitgeliefert	X
UMLet	31.05.2012	UMLet Team	www.umlet.com	www.umlet.com	11.5.1	http://www.umlet.com/screenshots.htm	N/A	-	-	Students, educators, professionals	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	-	N/A	-
Visual Classworks	31.05.2012	Step Ahead Software	stepaheadsoftware.com	visualclassworks.com	7.5.1.3		Class diagrams with code management	-	-	Architects/Software Engineers/Developers	X	-	-	-	-	-	-	-	-	-	-	-	-	-	X	Customizable for different persistence frameworks	Java + C++	-
Visual Paradigm for UML	31.05.2012	Visual Paradigm	http://www.visual-paradigm.com	http://www.visual-paradigm.com/product/vpuml/	9	http://www.visual-paradigm.com/product/vpuml/provides/	2.3	X	X	Business Analyst, System Analyst and Developer	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Template	Java, C++, PHP	X
WinA&D	31.05.2012	Excel Software	www.excelsoftware.com		2.3			-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		C,C++,C#,Java,Delphi,Pascal,RealBasic,Ada,Fortran,SQL,PHP	-

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Innovative Informatik

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UML-Werkzeug	Modellsimulation	Dokumentengenerierung	IDE Integration	Schnittstellen zu anderen Werkzeugen	XMI Export?	XMI Import?	Werkzeug-Anpassungen	UML-Profile	Betriebssysteme	Lizenzkosten	Evaluierungsversion verfügbar?	Einschränkungen Evaluierungsversion	Besonderheiten
Altova UModel	-	X	Eclipse, Visual Studio	Supports integration with over two dozen source control systems.	X	X	OLE support, ActiveX control, command line interface, integrated scripting environment, API allows external manipulation of aplication and projects	X	Windows XP, Windows Vista, Windows 7, and Windows Server 2003-2008r2, UModel is available in 32-bit and 64-bit versions	UModel is available in three editions priced from $149 to $379. Visit https://shop.altova.com/pricelist.asp for details	X	Fully- functional free 30-day trial.	
AnyLogic	Simulation modeling using the 3 major simulation methods (agent based, system dynamics, discrete event) separately and In combination	Automatic generation of model documentation in PDF, Doc, etc	AnyLogic is based on Eclipse. An exported model could be embeded into any Java application.	Since version 6.4.1 AnyLogic supports import of Vensim® models. Users can convert Vensim models into AnyLogic model analogous to the original Vensim® model. AnyLogic is able to communicate with engineering tools via any databases or text files.	-	-	AnyLogic users can use all features of Java in order to extend AnyLogic functionalities. They can also use external Java libraries and classes.	-	Windows, Linux, Mac OS	http://www.xjtek.com/purchase/prices/	X	30+30 day evaluation	
AnyLogic	Simulation modeling using the 3 major simulation methods (agent based, system dynamics, discrete event) separately and in combination	Automatic generation of model documentation in PDF, Doc, etc	AnyLogic is based on Eclipse. An exported model could be embeded into any Java application.	Since version 6.4.1 AnyLogic supports import of Vensim® models. Users can convert Vensim models into AnyLogic model analogous to the original Vensim® model. AnyLogic is able to communicate with engineering tools via any databases or text files.	-	-	AnyLogic users can use all features of Java in order to extend AnyLogic functionalities. They can also use external Java libraries and classes.	-	Windows, Linux, Mac OS	All information about prices is published on the website: http://www.anylogic.com/purchase	X	30+30 day evaluation	
ArgoUML	-	Add-on required	Extension available for this		X	X	No. The tool is open source so you can download source, modify, build and rur	X	Java (Windows, Unix, Mac)	Free	X	-	
Astah	N/A	RTF, HTML	N/A	N/A	X	X	Wide range possibility with API	N/A	Windows, Linux and Mac OS	Starting 89.50 USD	X	Astah Professional full features available for 50 days / Astah Community is absolutely free	
EclipseUML	X	X	Eclipse 3.8 UML	SVN & CVS	X	X	Yes on demande provided as addtional integration	X	X	12,000€ unlimited accademic licence if 500 students then each license is only 2€	X	only with Eclipse 3.5; 30 days	
Enterprise Architect	X	Html/Rtf	JA über MDG Technology als Plugin	JA über MDG Technology als Plugin	X	X	JA, eigens API beinhaltet	X	Win X 32 Bit	ab 99 Euro	X	30 Tage/Auf printout Demo	
MetaEdit+	Yes, via API	Yes, predefined for Word, RTF, HTML and fully customizable like code generators	Eclipse, Visual Studio	Simulink, T-Vec, Conformiq etc.	X	X	API ased on SOAP/webservices/.Net, XML import and export, command line	X	Windows, MacOSX, Linux, and other unix systems	Starts with 150€ Introductory License	X	31 day	
Metamill	-	RTF and HTML	-		X	X	Metamill Script	X	Windows, Linux	$110	X	30-days	
Modelio	Possible by tool customization	X	Yes, works with Eclipse, Visual Studio, …	Integrates requirement modeling supported, Doors coupling	X	X	The tool can be extended through modules (written in Java) or scripts (written in Jython). The metamodel is open.	X	Windows, Linux	Open source edition on modelio.org. Licences range from € 150 to € 2000 on modeliosoft.com, depending on extensions	X	10 days	Distributed teamwork support. Enterprise Architecture modeling Integrated Requirement analysis and Goal analysis modeling : spreadsheets & diagrams Graphical link editor (traceability…) Impact analysis support customizable consistency checks Customizable document generation for MS Word, or HTML or Libre Office. Model diff/merge
ModelMaker		X	Delphi, Visual Studic		-	-	Macros, ActiveX	-	Windows	199 Euro	X	30-days	
objectiF	-	Ja, MS Word und HTML	MS Visual Studio, Eclipse	microTOOL in-Step, Subversion	X	X	X	X	MS Windows	Einzelplatzversion der Visual Studio .NET Edition und der Eclipse Edition kostenlos (Personal Edition), Enterprise Edition und Team-Versionen: http://www.microtool.de/objectif/de/preis.asp	X	30 Tage Trial objectiF Enterprise Edition (ohne Einschränkung), Personal Editions objectiF Visual Studio .NET oder Eclipse sind zeitlich unbefristet, aber nicht mehrbenutzerfähig.	
Poseidon for UML	-	-	-		X	X	-	X	Java-kompatibel	48 €/Jahr	X	Kein Datenexport	
RTDS	X	X	-	Reqtify, SCADE, Simulink	-	X	X	-	Windows / Linux / Solaris	9.000	X	-	TTCN-3 testing technology integrated in the modeling environment. The model can be tested very early in the development process or test can be generated of the model
SAP Sybase PowerDesigner	Simul8 Plugin (3th Party)	HTML, RTF	Eclipse, Visual Studio, PowerBuilder, eigene Oberfläche	MS-Office, beliebig via API	X	X	Anpassbar mit Ressourceneditor, VBScript, GTL, GenerationTemplate Language, Templates, Modellerweiterungen, User Profiles	Template, User -Profile	MS Windows ab XP - MS Windows 7 empfohlen	auf Anfrage	X	unbeschränkter Funktionsumfang, zeitlich befristet.	
Sinelabore Codgen	X	X	-		-	X	-	-	Unabhängig, da Java	109	X	Eingeschränkte Anzahl States / Transitions	
UML Lab	-	Export als PNG, SVG, PDF; weitere auf Nachfrage	Eclipse	auf Nachfrage	X	X	Ja, über Eclipse Plugins	Ja, Vollständige Unterstützung inklusive neuen Metaklassen	Windows 32/64, Linux 32/64, OSX	ab 199€ im Jahr	X	30 Tage Laufzeit	flexibel anpassbares Reverse Engienering, templatebasiert - Round-Trip-Engineering NG auf Basis eigener Templates
UMLet	-	-	Eclipse, or stand-alone	Export to eps, pdf, jpg, svg	-	-	X	-	Java, i.e., Windows, Linux, OS X..	UMLet is open-source, and free	X	None	
Visual Classworks	-	X	-		-	-	-		Windows	$49.95 AUD	X	30 days usage	
Visual Paradigm for UML	Yes for BPD	-	-		X	X	X	X	Windows, Mac OSX and Linux	99 - 1399	X	30 days and watermark in print out	
WinA&D	Causal Loop diagrams can be enriched with equations for model simulation and charting of output.	A full scriptable report generater is integrated with all diagram editors, requirements and data dictionary. It comes with dozens of standard reports.	New menu commands can be added. Buttons can be added to existing dialogs to add custom integration features.	Share documents with MacA&D on Mac. Use QuickCRC as a front-end to UML to discover classes and responsibilities, then feed data into WinA&D.	X	-	Yes, fully scriptable reports, menu commands and button driven features in existing dialogs.	Full URL support with advanced customization.	Windows XP, Vista or 7 32-bit or 64-bit.	$495 to $1995 for Single User License	X	Demo edition has limited save command but otherwise fully operational and no timeout.	