

UML tool	Entry date	Vendor	Vendor website	Tool website	Version	Screenshots	UML version	SysML?	BPMN?	Target audience	Class diagram?	Component diagram?	Composite structure diagram?	Object diagram?	Package diagram?	Profile diagram?	Deployment diagram?	Activity diagram?	Use case diagram?	Interaction overview diagram?	Communication diagram?	Sequence diagram?	Timing diagram?	State machine diagram?	Code generation?	Customization of the code generator	target languages of the code generator	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, XML 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	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	X	Only Java/JEE	X	
Enterprise Architect	31.05.2012	SparxSystems Software GmbH eine Tochter des Australischen Hersteller Sparx Systems Pty	www.sparxsystems.eu	www.sparxsystems.eu	9.3	http://www.sparxsystems.eu/enterprisearchitect/ea-purch	2.4.1	X	X	Sparx Systems Enterprise Architect is used by companies of all sizes from large, well-known multinational organizations to smaller independent companies and consultants. Enterprise Architect is also deployed across a wide range of industries including: aerospace, banking, web development, engineering, finance, medicine, military, research, academia, transport, retail, utilities (gas, electricity etc.), electrical engineering and many more.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Frei wählbar/erweiterbar	X	
Innovator	12.03.2013	MID GmbH	www.mid.de	www.innovator.de	V11 R5	http://www.mid.de/produkte/modellierungsplattform-innov	V2.3	X	X	Business Analysten, Software Architekten, Datenbank Architekten, Enterprise Architekten	X	X	X	X	X	-	X	X	X	-	X	X	-	X	X	via Xpand and Xtend Templates of the oAW Code Generation Framework	C# and Java. Others on demand	X	
MagicDraw	07.05.2013	No Magic	www.nomagic.com	www.nomagic.com/products/magicdraw.html	17.0.4	www.nomagic.com/products/magicdraw.html	2.4.1	X	X	Software engineers.	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	Ability to add custom code generators and customize existing ones.	Java, C#, C++ and languages supported by custom code generators.	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	
Metamil	17.06.2012	Metamil Software	www.metamil.com	www.metamil.com	6	http://www.metamil.com/screenshots.html	2.3	-	-	business	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	limited	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	X	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	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	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.htm	8.0	http://www.gentleware.com/new-poseidon-for-uml-8-0.htm	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	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 Architects, Date Modeller, DBA's	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	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	-	-	Architects and Developers working with both UML and source code	X	-	-	-	X	X	-	-	-	-	-	-	-	-	X	completely configurable, template based	any, Java and PHP shipped	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	visualclassworks.com	Class diagrams with code management	-	-	Architects/Software Engineers/Developers	X	-	-	-	-	-	-	-	-	-	-	-	-	-	X	Customizable for different persistence frameworks	Java + C++	X	
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	X	Template	Java, C++, C#, PHP	X
WinA&D	31.05.2012	Excel Software	www.excelsoftware.com					-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C,C++,C#,Java,Delphi,Pascal,RealBasic,Ac a, Fortran, SQL, PHP	X	

UML tool	Model simulation	Document generation	IDE integration	Interfaces to other engineering tools	XMI export?	XMI import?	Customization of the tool	UML profiles	Operation systems	Cost of a license	Evaluation copy available?	Limitations of evaluation copy	Miscellaneous
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 application and projects	X	Windows XP, Windows Vista, Windows 7, and Windows Server 2003-2008/2, UModel available in 32-bit and 64-bit versions	UModel is available in three editions priced from \$149 to \$379. Visit <a href="https://shop.altova.com/pricelist.asp">https://shop.altova.com/pricelist.asp</a> 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 embedded 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: <a href="http://www.anylogic.com/purchase">http://www.anylogic.com/purchase</a>	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 run	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 additional integration	X	X	12,000€ unlimited academic 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	
Innovator	-	Yes, based on flexible Templates	Eclipse, Visual Studio, IntelliJ	Polarion, MS TFS, PTC Integrity	X	-	Plugin-Technology for GUI- and Model-Integration, Java- and .NET-API for Batch-Applications and Automations	Define Profiles for all supported Meta-Models (e.g. UML, BPMN, ERM, DB-Modeling) via GUI	Client: Windows, Server: Windows, UNIX, Linux, Solaris, AIX	4.490,00 EUR per Floating License	X	Duration of 30 days and number of model elements	Complete Integration in the Innovator Enterprise Suite with Business Process Models, Database Models, Enterprise Architecture Models, Innovator Office Integration for Harvesting Requirements form existing Office Documents.
MagicDraw	A separate No Magic product Cameo Simulation Toolkit is devoted for simulating UML models ( <a href="http://www.nomagic.com/products/magicdraw-addons/cameo-simulation-toolkit.html">www.nomagic.com/products/magicdraw-addons/cameo-simulation-toolkit.html</a> )	Ability to generate plain text, RTF, Open XML (DOCX, XLSX, PPTX), HTML, OpenOffice (ODP, ODT, ODS), and XML template (DocBook or FO) files.	Eclipse, NetBeans.	DOORS, Siemens Team Center, Windmill, RequisitePro, MATLAB	X	X	Ability to define DSLs (domain specific languages), OCL validation rules, scripts in JavaScript, Groovy, Jruby, and other languages, write plugins for MagicDraw in Java, customize perspectives (menus, diagram toolbars, etc.)	Full profiling capabilities.	Windows, Mac, or Linux that runs with any supported Java.	186-2033 Euro (Depends on a version/features, 1 year software assurance included in the price).	X	30 days, up to 25 objects.	The most standard compliant, customizable and user friendly modeling solution on the market. SysML and BPMN with plugins purchased separately
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 based 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	
Metamil	-	RTF and HTML	-	-	X	X	Metamil 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 <a href="http://modelo.org">modelo.org</a> . Licences range from € 150 to € 2000 on <a href="http://modeliosoft.com">modeliosoft.com</a> , depending on extensions	X	10 days	Distributed teamwork support. Enterprise Architecture modeling Integrated Requirement analysis and Goal analysis modelling : 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 Studio	-	-	-	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. <a href="http://www.microtool.de/objectif/de/preis.asp">http://www.microtool.de/objectif/de/preis.asp</a>	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	-	Reqify, 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 as PNG, SVG, PDF; additional on request	Eclipse	on request	X	X	Yes, with Eclipse Plugins and OCL-based validation and highlighting support	Yes, complete support including new metaclasses	Windows 32/64, Linux 32/64, OSX	starting 199€ per year	X	fully functional for 30 days	Round-Trip-Engineering NG offers completely flexible and customizable Reverse Engineering based on user 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	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 generator 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.	