

Sidebar: More ML languages

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- ? **Bioinformatic Sequence Markup Language:** BSML is an open XML data standard that was created to facilitate the interchange of data from diverse technologies into a consistent format for more efficient communication within the life sciences community. It was initially funded in 1997 by the National Human Genome Research Institute. www.bsml.org
- ? **Comic Book Markup Language:** CBML is an XML vocabulary with Document Type Definition (DTD) and schema representations for encoding comic books and graphic novels. www.cbml.org/
- ? **Cold Fusion Markup Language:** CFML is a Web scripting language designed to support dynamic page creation and database access in a Web server environment. It's part of the commercial product Cold Fusion Web Application Server. The syntax of CFML consists mostly of HTML-style tags for all statements and control structures. CFML is a weakly-typed language that supports only a few primitive types. http://livedocs.macromedia.com/coldfusion/6.1/htmldocs/part_cfm.htm
- ? **Earth Science Markup Language:** Earth science data is archived and distributed in many different formats, which creates serious interoperability problems for scientific tools. ESML is an interchange technology that enables data (both structural and semantic) interoperability with applications without enforcing a standard format. Users write external files using ESML schema to describe the structure of the data file, and applications use the ESML Library to parse the description file and decode the data format. <http://esml.itsc.uah.edu/index.jsp>
- ? **Electronic Thesis and Dissertation Markup Language:** This formatting language might be thought of as akin to updating Kate Turabian's classic *A Manual for Writers of Term Papers, Theses, and Dissertations* (University of Chicago Press, 1996) from print on paper to the current age of online, searchable information. ETD-ML allows the encoding of electronic theses and dissertations independent of their visual appearance, can include simplified hypertext and multimedia, and can be stored, retrieved and viewed electronically. <http://scholar.lib.vt.edu/theses/>
- ? **Geography Markup Language:** GML uses XML to express geographical features. It can serve as a modeling language for geographic systems as well as an open interchange format for geographic data. GML helps deliver geographic information as distinct features, with control over how they are displayed, and all in a standard browser. GML can provide better-quality maps, custom styling, sophisticated linking and editing, and animation. <http://gislounge.com/ucon/ucgmlintro.shtml>
- ? **Java Speech API Markup Language:** JSML is a text format used by applications to annotate text input to speech synthesizers, providing detailed information on how to speak text and thus enable improvements in the quality, naturalness and understandability of synthesized speech output. <http://java.sun.com/products/java-media/speech/forDevelopers/JSML/>
- ? **Keyhole Markup Language:** KML is an XML grammar and file format for modeling and storing geographic features such as points, lines, images and polygons for display in the Google Earth Client. www.keyhole.com/kml/kml_doc.html

- ? **Learning Material Markup Language:** LMML is a many-sided adaptable and extendible family of XML languages to ease the production of e-learning modules and programs. www.lmml.de/
- ? **Log Markup Language:** LogML is an XML application that describes log reports of Web servers, facilitating the mining of data collected from Web server log files. www.cs.rpi.edu/~puninj/LOGML/
- ? **Mathematical Markup Language:** MathML describes mathematical notation and captures both its structure and content. MathML enables mathematics to be served, received, and processed on the Web, just as HTML has done for text. www.w3.org/TR/MathML2/
- ? **Music Markup Language:** MML is a preliminary attempt to mark music objects and events with an XML-based language to allow managing music documents for purposes ranging from music theory and notation to practical performance. www.musicmarkup.info/
- ? **News Markup Language:** NewsML provides a media-independent, structural framework for multimedia news that can be applied at all stages in the (electronic) news life cycle. www.newsml.org/pages/index.php
- ? **Outline Processor Markup Language:** OPML is an XML-based format that allows exchange of outline-structured information between applications running on different operating systems and environments. www.opml.org/
- ? **Photo Markup Language:** PhotoML is a DTD providing formats for describing details of photograph creation and processing and of content in a collection of photos. It's designed to accommodate a wide variety of photo formats, including roll film, sheet film and digital images. www.wohlberg.net/public/software/photo/photoml/
- ? **Quest Markup Language:** QML is a free XML-based choose-your-own-adventure-game system that can make use of images, sound, states to check, random events and more. <http://questml.com/>
- ? **Robotic Markup Language:** RoboML is intended for data representation and interchange in robotic applications. Combined with a set of communication protocols, it aims at providing a common interface for hardware and software robotic agents communicating via Internet networks. www.roboml.org/
- ? **Rule Markup Language:** Rules in and for the Web have become a mainstream concern for e-commerce and also play an important role in knowledge-based systems and intelligent agents. RuleML, still in development, permits both forward (bottom-up) and backward (top-down) rules in XML for deduction, rewriting, and further inferential-transformational tasks. www.ruleml.org/
- ? **Systems Biology Markup Language:** SBML is a computer-readable format for representing models of biochemical reaction networks. SBML is applicable to metabolic networks, cell-signaling pathways and regulatory networks. <http://sbml.org/index.psp>
- ? **Spacecraft Markup Language:** SML is an XML extension that provides standard definition of elements and concepts of structure to allow the definition of spacecraft and other support data objects. www.interfacecontrol.com/sml/sml/mainpage.htm
- ? **Sports Markup Language:** SportsML allows for the exchange of sports scores, schedules, standings and statistics for a wide variety of competitions. www.sportsml.org/
- ? **Theological Markup Language:** ThML is used to mark up texts for the Christian Classics Ethereal Library and other projects. This XML application can be thought of as HTML with additions for electronic books and rich digital libraries, with support for such things as scripture references, Greek text, and special numbering schemes. www.ccel.org/ThML/

- ? **Tutorial Markup Language:** TML is an interchange format designed to separate the semantic content of a question from its screen layout or formatting. TML supports different types of question within the same content model. www.ilt.bris.ac.uk/netquest/about/lang/
- ? **Universal Phonetic Markup Language:** UPML defines a new phonetic transcription covering all human natural languages. www.geocities.com/polmino/upml/
- ? **Virtual Human Markup Language:** VHML facilitates the natural and realistic interaction of a Talking Head or Talking Human with a user via a Web page or application. It contains the following subsystems: DMML, Dialogue Manager Markup Language; FAML, Facial Animation Markup Language; BAML, Body Animation Markup Language; SML, Speech Markup Language (Sable); EML, Emotion Markup Language; and HTML. www.vhml.org/
- ? **Virtual Instruments Markup Language:** VIML describes location, protocol and device information for a network of virtual instrumentation devices and/or systems. It's currently under development. <http://viml.org/>
- ? **Transaction Authority Markup Language:** XAML is a set of XML message formats and interaction models that Web services can use to provide business-level transactions among multiple parties across the Internet. XAML distinguishes between traditional online transaction processing, such as making banking transactions or purchasing a product from a consumer Web site, and business Web transaction processing, which involves Web services from multiple organizations on the Internet and must coordinate numerous low-level operations to ensure business-level transaction integrity. http://e-comm.webopedia.com/TERM/T/Transaction_Authority_Markup_Language.html
- ? **Extensible Graph Markup and Modeling Language:** XGMML is an XML application that uses tags to describe nodes and edges of a graph. Its purpose is to facilitate the exchange of graphs between different authoring and browsing tools. www.cs.rpi.edu/~puninj/XGMML/
- ? **Extensible HTML:** XHTML is a recreation of HTML 4.0 as an XML application. (See ["QuickStudy XHTML"](#))

Extensible Rights Markup Language: XRML provides a universal method for securely specifying and managing rights and conditions associated with all kinds of resources including digital content as well as services. www.xrml.org/