

UML Tools Overview

UML Compliance Levels

- The UML specification is highly complex. In order to assist tools developers to gradually or selectively implement UML 2.0 the UML specification was divided into four compliance levels.

Level 0, Foundation

Fundamental structural and behavioral elements

Level 1, Basic

Simple diagrams

Level 2, Intermediate

Improved diagrams and constructs

Level 3, Complete

The rest of the UML language and more advanced constructs

Eclipse

- Eclipse is an open source community (powered by IBM) that maintains various open source IDE related projects. Most projects relate to Java.
Some projects relate to other technologies such as PHP and C\C++.
- One of Eclipse projects is an IDE for Java development bundles with modeling tools that enable the creation of various UML diagrams.

www.eclipse.org

Netbeans

- Netbeans is an open source community (powered by Sun Microsystems) responsible for the development of Netbeans IDE.

The Netbeans IDE focused on Java development. Nevertheless, Netbeans IDE also support software development in PHP, C/C++ and Ruby.

- Netbeans is available for download in various bundles. The 'All' bundle includes the required tools to create UML diagrams.

www.netbeans.org

StarUML

- StarUML is an open source platform for creating UML diagrams.
- Unlike Netbeans and Eclipse, StarUML is not integrated with an IDE.
- StarUML is a standalone application developed in Delphi.

<http://staruml.sourceforge.net/en/>

Telelogic Modeler & Rhapsody

- Telelogic, that was recently purchased by IBM, has developed a commercial UML tool called Rhapsody.
- The Modeler is Telelogic Rhapsody freeware version.

<http://www.telelogic.com>

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