

Visual Paradigm for UML Professional Edition (VP-UML PE) is a modeling platform designed to support system architects, developers, UML™ designers, and data modelers to accelerate the entire model-code-deploy process for complex enterprise applications through our best-of-the-breed and award-winning visual modeling technology that facilitates UML visualization in the latest UML 2.1 notation in 13 different types of diagrams, as well as ER Diagrams, Requirement Diagrams, CRC Diagrams, Textual Analysis and data modeling (ERD).

Powerful and Easy-to-use GUI

Now developers can create diagrams much faster than any tool on the market through VP-UML's most intuitive resource-centric and mouse location sensitive GUI. Tidying up your complex and messy diagrams is just a matter of one mouse click by using VP-UML's automatic diagram layout technology, yet the unique gesture editing capability makes diagramming a fun task.

Powerful Code Generation Engines

The forward and reverse code engines automatically derive models from code or turn codes into models in just seconds, and is readily accessible for your choice of 10 programming languages including Java, C++, .NET, PHP and XML.

No More Database Programming!

Forward and Reverse engineering from Class diagrams to Entity-Relation Diagrams (ERD) and from ERD to database generation and vice-versa can be done visually and diagrammatically and is fully compatible with Hibernate. Visualizing and automating the entire object-relational mapping (ORM) process is now transparent to software developers.

Excellent Interoperability and Widest IDEs Support

Whether you are using VP-UML as a standalone application or integrated with one of the leading IDEs (Visual Studio®, Eclipse, Borland JBuilder®, NetBeans/Sun™ ONE, IntelliJ IDEA™, Oracle JDeveloper, BEA WebLogic Workshop™), you have the option of round-trip engineering to keep model and code synchronized. Furthermore, VP-UML PE facilitates import/export for XMI of versions 1.0, 1.2 and 2.1. The Professional Edition also supports Rational Rose and ERwin data model project file importing.

Team Development Support

Teamwork Server enables your software developer teams to work on the same projects in parallel. VP-UML also helps developers to eliminate tedious document preparation with our automatic report generator that supports report generation and publishing in popular formats such as HTML, MS Word and PDF.

Extendibility and Custom Design Support

Extending UML capabilities beyond the latest UML 2.1 is no longer a dream! Now, VP-UML allows you to design new notation or incorporate custom shapes or symbols by using our embedded shape editor, image icon import, UML profile or Visio integration capability.

Key Features

- | | |
|---|--|
| 1. Full UML 2.1 notations | 2. Requirements management |
| 3. Object-relational mapping layer generation | 4. Major IDE integrations |
| 5. Code round-trip engineering | 6. Code generation and reverse engineering |
| 7. Team collaboration (client) | 8. PDF, MS Word, HTML report generation |
| 9. Import/export to XML and image | 10. Shape Editor — design your own shapes |

Pricing

Prices are provided in US dollars

Single Seat License

Unit price	\$699.00
Unit price with 1 year maintenance	\$838.50
1 year maintenance cost 20% of unit price.	

Floating License

Unit price	\$908.50
Unit price with 1 year maintenance	\$1090.00
The price of Floating License is calculated in 30% more of the single seat license.	
To know more about floating license, please visit Floating License page at here	

Software Maintenance

Extend 1 year maintenance	
Single Seat License	\$139.50
Floating License	\$181.50
All version upgrades of Visual Paradigm products are included as part of software maintenance. Customers are entitled to get all version upgrades within their software maintenance period.	

Switch to Professional Edition

From Edition	Single Seat License		Floating License	
	with maintenance	without maintenance	with maintenance	without maintenance
Standard	\$480.00	\$629.50	\$623.50	\$818.00
Modeler	\$720.00	\$769.50	\$935.50	\$1000.00
Personal	\$768.00	\$797.50	\$1019.50	\$1049.00

Customers can upgrade the existing edition to get more features and functionalities from your Visual Paradigm products.

Detail Features

UML Support

1. Class diagram
2. Use case diagram
3. Sequence diagram
4. Communication diagram
5. State machine diagram
6. Activity diagram
7. Component diagram
8. Deployment diagram
9. Package diagram
10. Object diagram
11. Composite structure diagram
12. Timing diagram
13. Interaction overview diagram
14. Use case detail editor
15. Use case flow-of-events listing
16. Generate sequence diagrams from flow of events lists
17. Select attribute's getter or setter as call message's action
18. Business model use case support

Requirements Management

1. Requirement diagram
2. Textual analysis
3. CRC Cards
4. Identify candidate activity and action by textual analysis
5. Define and customize requirement types
6. Display full set of requirements in tabular view
7. Support generating ID for Requirements

Database Modeling

1. Entity relationship diagram
2. ORM diagrams
3. Reverse engineer existing databases to entity relationship diagrams (ERDs)
4. Generate and execute database schema (DDLs)
5. Conceptual, logical and physical ERD support
6. Reverse engineer stored procedures to ERDs
7. Foreign key auto-naming
8. Define PK naming pattern
9. Define FK relationship naming pattern
10. Model primary key in object model by using the <<PK>> stereotype
11. Download database drivers automatically
12. Display database architecture in object-relational mapping (ORM) pane
13. Customizable SQL generation
14. Generate class diagrams from ERDs
15. Generate ERDs from class diagrams
16. Select target diagram when first synchronized between class diagram and ERD
17. Jump between ORM class and entity
18. Generate and reverse engineer database support for Oracle schema

19. Generate or reverse engineer user-defined database types
20. Database trigger and stored procedure modeling
21. Reverse engineer DDL models to ERD models
22. Database trigger and stored procedure generation and reversal
23. Unique and Index support for entities
24. Convert a normal association to ORM association
25. Support AbstractPersistable class for generating non ORM super class attributes

Object-Relational Mapping

1. Java ORM code generation
2. Lazy collection fetching
3. Database view support
4. Custom ID generator support
5. Map single classes to multiple tables
6. Custom query support
7. Automatic array table generation
8. Criteria class generation
9. DAO code generation
10. Factory code generation
11. POJO code generation
12. Optional library selection
13. Hibernate annotation support in ORM persistence
14. Generate Hibernate version tags for optimistic concurrency control
15. Formula support for ORM attribute

Visual Modeling

1. Annotation with callout shapes
2. Annotation with freehand shapes
3. Organize model elements and diagrams using Model Explorer
4. Bookmark support
5. Handi-Selection tool
6. Customizable data types for use with multiple programming languages
7. Overview diagrams
8. Resource-centric interface
9. Model sharing
10. Cut, copy and paste
11. Copy diagrams as images for use in other applications
12. Undo and redo options
13. Mouse gestures
14. Reverse connector direction
15. Group creation support
16. Jump to feature for selecting a particular shape or model
17. Quick connect feature
18. Easy navigation to connected elements
19. Model commenting
20. Duplicate shapes and models
21. Selectable/non-selectable toggling for shapes
22. Diagram locking
23. Reference to any type of artifact
24. Advanced file and directory selector
25. Advanced tree support
26. Duplicate, move and reconnect connectors
27. Package headers for all types of diagrams
28. Tagged value display toggling for diagram elements
29. Sub-diagrams and reference indicators
30. Visio integration
31. Import Visio stencils
32. Rectilinear, round rectilinear, oblique, round oblique and curve connector styles
33. Space reclamation using Sweeper
34. Space elimination using Magnet **NEW**
35. Create shapes with user-defined initial sizes

36. Drag-and-drop creation of shapes using trees in diagrams
37. Auto-fit shape sizes
38. In-line editing
39. Spell checking
40. Visual alignment guides
41. Numerous grid options
42. Diagram information display in diagrams
43. Jump to diagram feature
44. Drag-and-drop copying, moving and reordering of classes and entity members
45. Open view from model element
46. Diagram renaming boxes
47. Add folders as favorites
48. Display Undo/Redo action names
49. Inverse shape selection
50. Create new attribute with Enter key
51. Automatic reroute connector when overlapped with other shapes
52. Hide shapes or type of shapes on a diagram **ENHANCED**
53. Visualize related model element
54. Enforcing master view between model element and shape
55. Auto extend activation **NEW**

Design Pattern Support **ENHANCED**

1. Design pattern support for class diagrams **ENHANCED**
2. Full Gang of Four (GOF) design patterns support **NEW**
3. Define pattern with a configurable number of subclasses **NEW**
4. Define pattern with a configurable number of attributes and operations **NEW**
5. Define pattern with implementation hierarchy **NEW**
6. Define pattern with automatically named association end **NEW**
7. Automatically rename elements in pattern **NEW**
8. Design pattern support for sequence diagrams **NEW**
9. Design pattern support for all UML diagram types **NEW**
10. Design pattern support for entity relationship diagrams **NEW**
11. Sharing Design Patterns through team collaboration support **NEW**

Model Element Nicknaming

1. Assign nicknames to model elements

Model Transitor

1. Generate and link model elements
2. Trace the origin of model elements (model traceability)
3. Diagram Transitor
4. Navigate between operation and sequence diagram
5. Transit Entity relationship diagram from Conceptual to Logical to Physical **NEW**

Style and Formatting

1. Customizable shape style and formatting
2. Image incorporation in diagrams
3. Stereotyped element appearance
4. Rich text documentation
5. Add rich text elements to diagrams
6. Shape format copier
7. Enrich model documentation with images
8. Save/load template for model documentation
9. Display stereotyped model element as image icon

Team Collaboration with VP Teamwork Server

1. Concurrent and collaborative modeling with VP Teamwork Server
2. Import projects to VP Teamwork Server
3. View projects from VP Teamwork Server
4. Commit project changes to VP Teamwork Server
5. Update local project copy using VP Teamwork Server

6. Review past revisions using VP Teamwork Server
7. Compare past revisions using VP Teamwork Server
8. Detect and resolve conflicts using VP Teamwork Server
9. Branch and tag projects using VP Teamwork Server
10. Merge branch changes using VP Teamwork Server
11. Export multiple revisions from VP Teamwork Server
12. Run VP Teamwork Server on common Java web servers
13. Element based revision history
14. Preview local and server changes before commit or update **NEW**

Team Collaboration with CVS Repository

1. Concurrent and collaborative modeling with CVS Repository
2. Import projects to CVS Repository
3. View projects from CVS Repository
4. Commit project changes to CVS Repository
5. Update local project copy using CVS Repository
6. Review past revisions using CVS Repository
7. Compare past revisions using CVS Repository
8. Detect and resolve conflicts using CVS Repository
9. Branch and tag projects using CVS Repository
10. Merge branch changes using CVS Repository
11. Export multiple revisions from CVS Repository
12. Element based revision history
13. Preview local and server changes before commit or update **NEW**

Team Collaboration with Subversion Repository

1. Concurrent and collaborative modeling with Subversion Repository
2. Import projects to Subversion Repository
3. View projects from Subversion Repository
4. Commit project changes to Subversion Repository
5. Update local project copy using Subversion Repository
6. Review past revisions using Subversion Repository
7. Compare past revisions using Subversion Repository
8. Detect and resolve conflicts using Subversion Repository
9. Branch and tag projects using Subversion Repository
10. Merge branch changes using Subversion Repository
11. Export multiple revisions from Subversion Repository
12. Element based revision history
13. Preview local and server changes before commit or update **NEW**

Team Collaboration with Perforce

1. Concurrent and collaborative modeling with Perforce Repository
2. Import projects to Perforce Repository
3. View projects from Perforce Repository
4. Commit project changes to Perforce Repository
5. Update local project copy using Perforce Repository
6. Review past revisions using Perforce Repository
7. Compare past revisions using Perforce Repository
8. Detect and resolve conflicts using Perforce Repository
9. Branch and tag projects using Perforce Repository
10. Merge branch changes using Perforce Repository
11. Export multiple revisions from Perforce Repository
12. Element based revision history
13. Preview local and server changes before commit or update **NEW**

Documentation Generation

1. PDF report generation
2. MS Word report generation
3. HTML report generation
4. Project publisher
5. Ad Hoc report creation
6. Intelligent element sorting during report generation

Printing

1. Print multiple diagrams
2. Preview printable pages
3. Print clip marks
4. Page margin, size and orientation alteration support
5. Fit-to-pages option
6. Fit-to-ratio option
7. Customizable page header and footer
8. Project name and diagram name display in header or footer
9. Print with frame or border support
10. Toggle gradient color printing
11. Quick print support

IDE Integrations

1. Activate full UML environment from your favorite IDE
2. Automatic code and model synchronization
3. Simple integration of any IDE
4. Import existing VP-UML project to IDE
5. Integration with Eclipse
6. Integration with NetBeans
7. Integration with IntelliJ IDEA
8. Integration with WebLogic Workshop
9. Integration with Borland JBuilder
10. Integration with Oracle JDeveloper
11. Multilingual support in IDE integration

Reverse Engineering

1. Reverse engineer source code or executables to class diagrams using Instant Reverse feature
2. Reverse engineer Java source code, classes and .jar files
3. Reverse engineer C++ source code
4. Reverse engineer .NET .dll and .exe files
5. Reverse engineer CORBA IDL source code
6. Reverse engineer Ada 9x source code
7. Reverse engineer XML
8. Reverse engineer XML Schema
9. Reverse engineer databases with JDBC
10. Reverse engineer Hibernate mapping files
11. Reverse engineer PHP 5.0 source code
12. Reverse engineer Python
13. On-demand Java reverse engineering
14. Template parameter support

Code Generation

1. Instantly generate source code from class diagrams
2. Generate Java source code
3. Generate C# source code
4. Generate VB.NET source code
5. Generate PHP 5.0 source code
6. Generate Object Definition Language source code
7. Generate Flash ActionScript 3.0 source code
8. Generate IDL source code
9. Generate C++ source code
10. Generate Delphi source code
11. Generate Perl source code
12. Generate XML Schema source code
13. Generate Python source code
14. Generate Objective-C source code
15. Generate Ada source code
16. Generate Ruby source code
17. Template parameter support

18. Template support for generating source code with generic constructs
19. Customizable source code generation

State Machine Diagram Code Generation

1. Generate Java source code from state diagram
2. Generate C++ source code from state diagram
3. Generate C# source code from state diagram
4. Generate VB.NET source code from state diagram

Java Round-Trip Engineering

1. Reverse engineer Java source code to class diagram
2. Update Java source code based on class diagram

Shape Editor

1. Design arbitrary shapes
2. Import SVG shapes
3. Incorporate different shapes into UML diagram
4. Organize shapes by gallery, category and stencil
5. Advanced shape design capabilities

Layout Facilities

1. Automatic diagram layouts
2. Shape alignment and centering
3. Uniform shape width and height maintenance
4. Automatic shape distribution

Interoperability

1. Import Telelogic Modeler project files
2. Import and export EMF based UML2 model
3. Command-line operations
4. Import and export XMI 1.0, 1.2 and 2.1
5. Import and export XML
6. Import and export VP project file format
7. Import and export use case model to MS Word
8. Import Rational Rose project files
9. Import ERwin data modeler project files
10. Export diagrams as JPG, PNG, SVG and EMF image files
11. Export diagrams as PDFs
12. Slice exported diagrams into smaller segments
13. Import Rational Software Architect files
14. Import Rational DNX **NEW**
15. Import NetBeans 6.x UML diagrams **NEW**
16. Copy diagram elements as XML
17. Import Visio drawings into Visual Paradigm
18. Import and export Microsoft Excel file for class diagram
19. Import and export Microsoft Excel file for state machine diagram
20. Import and export Microsoft Excel file for component diagram
21. Import and export Microsoft Excel file for deployment diagram
22. Import and export Microsoft Excel file for package diagram
23. Import and export Microsoft Excel file for requirement diagram
24. Import and export Microsoft Excel file for entity relationship diagram
25. Import and export Microsoft Excel file for orm diagram

Intuitive User Interface

1. Group diagrams by category
2. Advanced property pane
3. Dockable user interface windows.
4. New project generation using predefined templates
5. Easy-to-use "New Diagram" dialog
6. Flexible zooming
7. Palette-style toolbar
8. Collapsible toolbar

- | | |
|-----|---|
| 9. | Display tool names for toolbar buttons |
| 10. | Expand grouped toolbar buttons |
| 11. | Display various diagram categories in toolbar |
| 12. | Display stereotyped model types in toolbar NEW |
| 13. | Numerous looks-and-feels |
| 14. | Import user preferences from existing workspaces |
| 15. | Multilingual support |
| 16. | Searchable options |
| 17. | Customizable program shortcuts NEW |

Automatic Updates

- | | |
|----|---|
| 1. | Automatic online updating |
| 2. | Maintain local update server with update synchronizer |

Open Architecture

- | | |
|----|------------------------------|
| 1. | Plug-in support (Java) |
| 2. | VP model and XML interaction |

Compare the features included in each edition at

<http://www.visual-paradigm.com/product/vpuml/editioncomparison.jsp?edition=Professional>

Related Products



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