

**Smart Development Environment Community Edition for Visual Studio**<sup>®</sup> (SDE CE-VS) is a modeling platform designed for learning UML™ modeling through our best-of-breed and award-winning visual modeling technology that facilitates UML visualization (the latest UML 2.1 notation and all 13 diagrams supported).

### Powerful and Easy-to-use GUI

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

### Extensibility and Custom Design Support

Extends UML capabilities beyond the latest UML 2.1 is not a dream! Now, SDE-VS allows you to design new notation or incorporate custom shapes or symbols by using image icon import, UML profile or Visio integration capability. SDE CE-VS is for non-commercial use only and only support one diagram per diagram type. All output of SDE CE-VS have single line water mark at the top left corner stating the software is for non-commercial use only.

## Key Features

- |                                   |                              |
|-----------------------------------|------------------------------|
| 1. Full UML 2.1 notations         | 2. Requirements management   |
| 3. Import/export to XML and image | 4. Intuitive visual modeling |

## Pricing

**Free of charge**

## Detail Features

UML Support	
1.	Class diagram <b>ENHANCED</b>
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.	Display full set of requirements in tabular view
Database Modeling	
1.	Entity relationship diagram <b>ENHANCED</b>
2.	ORM diagrams
3.	Conceptual, logical and physical ERD support

## Visual Modeling

1. Freehand shape support **NEW**
2. Justify shape name **NEW**
3. Support enable or disable minimum shape size **NEW**
4. Layer support to show/hide set of shape with single click **NEW**
5. Support showing line jump in Arc, Square, Skip or normal **NEW**
6. Align Connector Caption Base on Connector Orientation **NEW**
7. Annotation with callout shapes
8. Annotation with freehand shapes
9. Organize model elements and diagrams using Model Explorer
10. Bookmark support
11. Handi-Selection tool
12. Customizable data types for use with multiple programming languages
13. Overview diagrams
14. Resource-centric interface
15. Model sharing
16. Cut, copy and paste
17. Copy diagrams as images for use in other applications
18. Undo and redo options
19. Mouse gestures
20. Reverse connector direction
21. Group creation support
22. Jump to feature for selecting a particular shape or model
23. Quick connect feature
24. Easy navigation to connected elements
25. Model commenting
26. Duplicate shapes and models
27. Selectable/non-selectable toggling for shapes
28. Diagram locking
29. Reference to any type of artifact
30. Advanced file and directory selector
31. Advanced tree support
32. Duplicate, move and reconnect connectors
33. Package headers for all types of diagrams
34. Tagged value display toggling for diagram elements
35. Sub-diagrams and reference indicators
36. Rectilinear, round rectilinear, oblique, round oblique and curve connector styles
37. Space reclamation using Sweeper
38. Space elimination using Magnet
39. Create shapes with user-defined initial sizes
40. Drag-and-drop creation of shapes using trees in diagrams
41. Auto-fit shape sizes
42. In-line editing
43. Spell checking
44. Visual alignment guides
45. Numerous grid options
46. Diagram information display in diagrams
47. Jump to diagram feature
48. Drag-and-drop copying, moving and reordering of classes and entity members
49. Open view from model element
50. Diagram renaming boxes
51. Add folders as favorites
52. Display Undo/Redo action names
53. Inverse shape selection
54. Create new attribute with Enter key
55. Automatic reroute connector when overlapped with other shapes
56. Hide shapes or type of shapes on a diagram
57. Visualize related model element

58. Enforcing master view between model element and shape
59. Auto extend activation
60. Model name completion for class
61. Pinnable connector end **NEW**

## Style and Formatting

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

## 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. Embedded modeling environment in Visual Studio

## 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 and export XML
2. Export diagrams as JPG, PNG, SVG and EMF image files
3. Export diagrams as PDFs
4. Slice exported diagrams into smaller segments

## 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
13. Numerous looks-and-feels
14. Import user preferences from existing workspaces
15. Multilingual support

16. Searchable options
17. Customizable program shortcuts

### 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/sde/vs/sdevsditioncomparison.jsp?edition=Community>

## Related Products



Visual Paradigm International  
Tel: +852 2744 8722  
Fax: +852 2744 6722  
[sales@visual-paradigm.com](mailto:sales@visual-paradigm.com)  
[www.visual-paradigm.com](http://www.visual-paradigm.com)

© Visual Paradigm International All rights reserved.

