

## Integrating UML 2.0 into the Visual Studio 2005 Environment with Sparx Systems Enterprise Architect 6.0



Sparx Systems have undertaken to provide effective integration of UML 2.0 into the Visual Studio 2005 development environment. This document supplements a presentation (<http://sparxsystems.com/securedownloads/prerelease/20050928.zip>), highlighting the major features of this integration solution.

The VS integration product allows a UML model to be included as a Solution Item within VS 2005. Two additional tool views and new menu options are provided in Visual Studio.

Firstly, the UML Model View tool window, allows users to explore and navigate a UML 2.0 model defined in Sparx Enterprise Architect 6.0. Secondly, the UML Property View tool window provides a detailed and 'real-time' view of UML diagrams, links and elements.

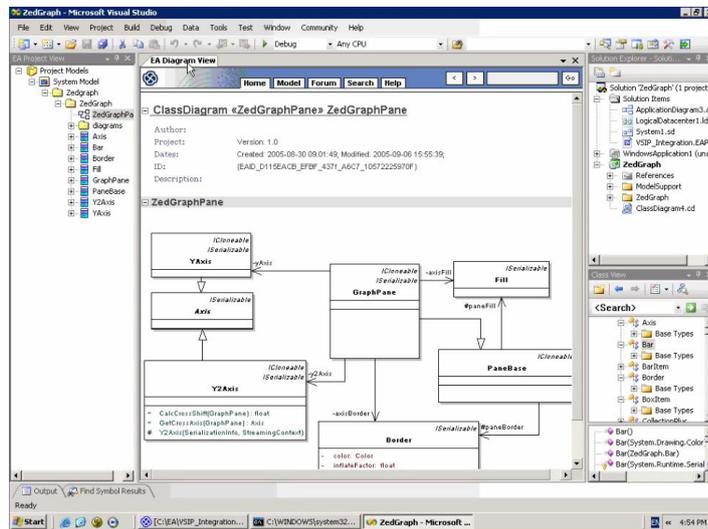


Figure 1 - Visual Studio 2005 with UML 2.0 integration

With tight coupling between the UML representation of code elements and VS 2005 project items, it is possible to navigate from the EA UML 2.0 artifacts directly to source code, class view items, object browser or solution view items. It is even possible to invoke DSL tools such as the Class Diagram and Application Diagram design surfaces from the UML model, highlighting the currently selected UML element.

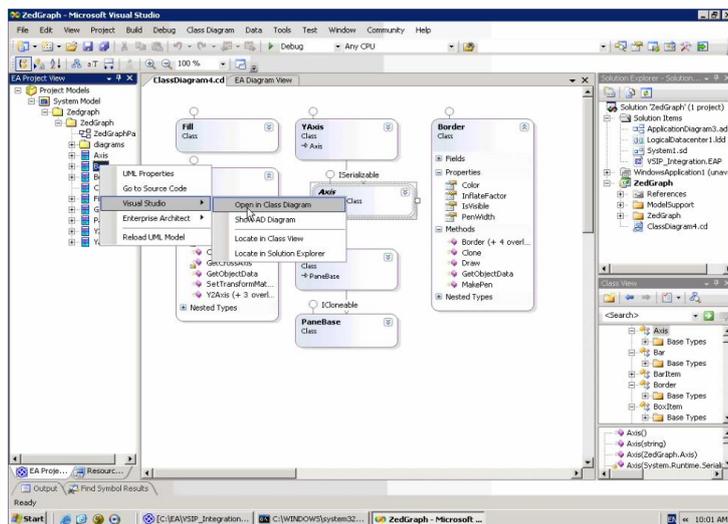


Figure 1 - UML 2.0 class accessed in a DSL Class Diagram

**“Enterprise Architect 6.0 : the ultimate UML 2.0 solution for your Visual Studio 2005 development team.”**

Sparx Systems Enterprise Architect 6.0 provides a rich set of UML modeling features to support and enhance development within VS 2005.

- MDA model transformations
- Code, database engineering and roundtrip support, including support for C#, C++ and VB.Net
- Importing of .NET PE and .il binary files
- XML, XMI, XSD and WSDL modeling
- Template-driven RTF and HTML documentation
- Version Control support
- Model baselining and comparison support

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