Enterprise Architect

As a comprehensive UML modeling tool, Sparx Systems' Enterprise Architect 6.5 allows users to specify systems from the early stages of requirements gathering, right through analysis and design, testing, deployment and maintenance.

Beyond pure UML modeling, EA provides a rich set of tools for taking advantage of the model, including the ability to visualize and engineer code and database schema, create high-quality, customizable HTML and RTF reports, and integrate with leading IDEs.

Coupled with Model Driven Architecture (MDA) transforms and UML Profile support, Enterprise Architect is a highly extensible platform for modeling, visualizing, building and maintaining software systems.

Team-based Modeling

For 10 years, Sparx Systems vision for Enterprise Architect has been to create a tool for all team members: from analysts, designers and developers, to testers, QA staff and project managers. By linking these disparate roles through a single, shared information repository, communication and collaboration are greatly improved. Both the team size and the repository are scalable—uncomplicated and elegant enough for small projects, but capable of scaling to large ones.

Real-world Benefits:

When projects include thousands of requirements, classes, components and behavioral specifications, the need to have intuitive, robust tools is critical—and Enterprise Architect is designed to deliver. Team communication and productivity are enhanced with:

a) feature sets for all the roles involved in the SDLC.

b) a multi-user backend repository that provides concurrent access to all members of the team;

c) a pricing structure that makes it affordable and practical to equip every team member.

Extend the UML

UML Profile support and an extended plug-in API for controlling the modeling interface, means Enterprise Architect can be quickly tailored for domain specific tasks—exemplified by the SysML and BPMN plug-ins recently released by Sparx.

Visualize Runtime Objects

Developers working with Java and .Net can use Enterprise Architect to create and debug run-time instances of their modeled objects using the built in Object Workbench; a dynamic debugging environment for creating, simulating and inspecting running objects. With the ability to generate sequence diagrams from executing code, developers and architects can visualize, test and refine their models and code all within Enterprise Architect.

Document your Project

Enterprise Architect's popular HTML and RTF reporting facility makes it easy to create and share reports with clients and team members. Even huge models can be effectively deployed in HTML format on the web, significantly extending the reach of your models. WYSIWYG editors for designing Word compatible RTF reports also significantly enhance the ability to communicate and share models.

Integrate with other IDE's

For developers, MDG Integration for Visual Studio 2005© allows seamless integration between the UML models created in EA and the coding done in Visual Studio. This gives developers direct access to the UML model from within their familiar development environment. Eclipse integration is scheduled for release 2006 Q4.

Download your free 30-day trial at: www.sparxsystems.com

"With Enterprise Architect, we can create a model that is so precise and detailed that we are generating 60 percent to 80 percent of the application code directly from the model."

Tim Duval, CEO, Canonic Corp

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