A Complete Platform

Improve Enterprise Analysis & Optimization

Sparx Systems Enterprise Architect is a comprehensive, team based modeling environment with benefits across the enterprise including business strategies, organizational structures, business processes, tasks and activities, information flows, deployment and systems integration.

Analysis & Design Frameworks
Bridge the gap between business and IT with TOGAF, ArchiMate, FEAF, SOMF, UPDM, DoDAF, MODAF and Zachman Frameworks.

Open Standards
Extend your visualization with specific industry profiles including BPMN, BPSim, SysML, DDS™, CORBA®, Testing, EJB, SoaML, Python® and more!

Understand the Challenge!
Implement strategic modeling into your business and operations with mind mapping, organizational charts, flowcharts, value chain, balanced scorecard and strategy maps.
Drive rapid downstream development with automatic test generation and Structured Scenarios with automatic activity diagram creation.

UML® Modeling
All 13 UML 2.5 diagrams supported!
From requirements to analysis, through design and build - and on into deployment and maintenance, Enterprise Architect leverages the full capability of UML to provide powerful model driven development.

Enterprise Tools

Database Modeling
Forward and reverse engineer databases in SQL Server, Oracle, MySQL®, DB2, Sybase®, PostgreSQL, more!

Navigate, Search & Trace
Utilize model views, model search, element traceability and the relationship matrix for project change management.

Visualize, Validate, Debug & Profile
Better understand the workings of your software and legacy systems with the Visual Execution Analyzer. Generate, build, debug and visualize your business and software systems.

Scripting & Automation
Take control with Enterprise Architect scripts in JavaScript, JScript and VBScript to handle time consuming and repetitive GUI tasks.
Extend the core toolset and take advantage of Enterprise Architect’s repository with its powerful Automation Interface.

Integration & Connectivity
Integrate with your favorite IDE keeping your project and your code on the same page. Integrations available for Visual Studio®, Eclipse™.

Industry Standards & Frameworks

TOGAF®

Business Rules Modeling
BPMN™

Zachman Framework

JScript

GoF

Mind Mapping

All product names are the property of their respective owners.
TOGAF and ArchiMate are trademarks of The Open Group

Awards: The Complete Platform

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Describe

Describe your Information Architecture
Gain a greater appreciation of the structure of information within an enterprise.
- Provide an enterprise view of information flow and structure.
- Define your information system as a series of building blocks using TOGAF.
- Facilitate navigation through vast quantities of information.
- Provide a common vocabulary.
- Group information in an intuitive, logical and hierarchical manner.
- Represent information using UML diagrams to improve understanding.
- Use powerful visualizations to interpret information.
- Locate vital project information quickly.
- Establish relationships between critical model artifacts.

Describe your Data
Describe your enterprise data more effectively to derive greater productivity.
- Organize and label information more effectively using tagged values.
- Measure the value, risk and cost of artifacts.
- Customize and extend metadata.
- Clearly identify and describe packages.
- Record the status, difficulty, version and priority for every model artifact.
- Track who created each artifact for better accountability and security.
- Ensure the timeliness of enterprise information with date stamps.
- Describe each model artifact to facilitate collaboration
- Improve data search performance.

Depict Conceptual Enterprise Models
Create data models to develop a greater conceptual understanding of your enterprise.
- Visualize data models and highlight data dependencies.
- Build database diagrams using the built-in UML Data Modeling Profile.
- Reduce data redundancy via visualization and robust data modeling.
- Visualize data processing via Data Flow Diagrams (DFD).
- Generate Class Diagrams from legacy code.
- Ensure data quality through validation and a comprehensive testing environment.
- Use models to determine completeness, accuracy and timeliness of information.
- Provide a greater shared understanding of data models by using a central repository.
- Manage information throughout the lifecycle.
- Encapsulate relevant data via model views and diagram filters.

Key Advantages of Sparx Systems Enterprise Architect
- Complete traceability from concept to deployment.
- Decompose complex problems into constituent parts.
- Visualize the deployment of hardware and software.
- Identify areas of operational inefficiency.
- Record and manage maintenance issues.
- Provide an enterprise view of information structure.
- Develop TOGAF, DoDAF, MODAF, UPDM and Zachman Frameworks.
- Measure risk, priority and cost using tagged values.
- Visualize program execution.
- Create baselines to monitor change.

Design

Model Business Rules & Processes
Better understand the rules and processes that help drive success within your enterprise.
- Track critical processes, activities and people.
- Optimize business processes using flowcharts.
- Reduce duplication and streamline existing processes.
- Develop policies, procedures and constraints as business rules.
- Help to identify areas of operational inefficiency.
- Implement policy via workflow scripts.

Simplify Design
Simplify large complex systems into smaller parts that are easier to manage, understand, refine and optimize.
- Decompose complex problems into their constituent parts.
- Understand, refine and optimize each part.
- Focus your development effort on the areas that count.
- Optimize time management and organizational cycles.
- Develop robust systems with reduced maintenance costs.
- Support the software development lifecycle.
- Improve event timing and organizational cycles.
- Record and manage maintenance issues as they arise.
- Track and assign maintenance items via the Maintenance Workspace.
- Sequence key events using Activity Diagrams.
- Explore object behavior throughout a given period of time.

Implement Corporate Policy
Address strategic goals and document compliance with vital legislation and industry guidelines.
- Produce strategic models that identify goals.
- Trace corporate strategies to deliverable outcomes.
- Document compliance using flowcharts and business rules.
- Discuss guidelines using the Team Review Window.
- Implement change management and security policies.
Manage
Manage Interoperability & Cooperation
Enable applications to exchange data and work cooperatively:
• Illustrate the sequence of messages between applications using Communication Diagrams.
• Import and export data to avoid vendor lock-in.
• Import legacy code to re-use software libraries and better integrate software.
• Access model information from within your favorite IDE.
• Import models seamlessly to bridge the gap between different application environments.
• Facilitate collaboration and exchange between applications using SoaML.
• Offer applications as web services to share business functions across the enterprise and maximize reuse.
• Describe the services and fault handling visible to external components.

Visualize Deployed Software
Better understand the applications that support and manage your business data.
• Visualize software components within an enterprise using Deployment Diagrams.
• Understand the sequence and relationships between various functions.
• Visualize program execution and see how messages are passed between applications.
• Illustrate interactions, data structures and important relationships between applications.
• Understand the functions and events that trigger state change.
• Map business functions to deployed software.

Integrate
Deploy & Integrate Hardware
Better understand the deployment of hardware to optimize the use of resources within your enterprise:
• Visualize the deployment of hardware infrastructure.
• Understand information flow between routers, firewalls and web servers.
• View the run-time configuration of network nodes.
• Document and plan server deployment.
• Provide traceability between staff, workstations and software artifacts.

Integrate Technology
Understand the risk and value of technology assets that manage enterprise data.
• Leverage leading frameworks including TOGAF, DoDAF, MODAF, UPDM and Zachman Framework.
• Access leading integrated development environments from within Enterprise Architect.
• Connect databases, applications and services.
• Develop web services and SOA to better integrate isolated systems, across business units.
• Better understand the evolution of technology deployment using Model Baseline comparisons.
• Model hardware, software and network infrastructure deployment.
• Expose business processes as reusable services on a common software platform.
• Generate and reverse engineer code in over 10 leading programming languages.

Create a shared vision using a team based modeling tool

Included MDG Technologies

- ArcGIS
- GML
- Office Integration
- BPSim Execution Engine
- DOORS
- TOGAF
- UPDM
- Zachman Framework.

The 30 Day Trial of Enterprise Architect is fully-functional & completely free of charge.
Shared Architectural Vision

Enterprise Architect is an award winning visual platform for designing and constructing Software, Business and Real Time systems. Enterprise Architect is ideally suited for describing the structure of an enterprise, with support for leading architecture frameworks including TOGAF, DoDAF, MoDAF, UPDM and Zachman Framework. Create a shared vision of the enterprise using a team based, collaborative modeling tool. Describe organizational structure and management controls, develop strategic models, compare changes to established baselines, visualize hardware deployment, optimize business processes and much more using a single tool.

About Sparx Systems
Sparx Systems specializes in high performance and scalable visual modeling tools for the planning, design and construction of software intensive systems. With customers in industries ranging from aerospace and automotive engineering to finance, defense, government, entertainment and telecommunications, Sparx Systems is a leading vendor of innovative solutions based on the Unified Modeling Language (UML) and its related specifications. A Contributing Member of the Object Management Group (OMG), Sparx Systems is committed to realizing the potential of model-drivem development based on open standards. The company’s flagship product, Enterprise Architect, has received numerous accolades since its commercial release in August, 2000. Now at version 12.1, Enterprise Architect is the design tool of choice for 380,000+ registered users world-wide.

Enterprise Architect

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<th>Suite Editions</th>
<th>Ultimate</th>
<th>Systems Engineering</th>
<th>Business &amp; Software Engineering</th>
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<td>$ 699</td>
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<td>The complete Enterprise Architect experience across multiple domains.</td>
<td>For systems engineering, real-time and embedded development.</td>
<td>For business modeling, architecture, development and more.</td>
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<td>Corporate</td>
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<td>EA Reader</td>
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<td>A free, read-only viewer for Enterprise Architect models allowing your entire team and customers to view and understand the progress of your projects.</td>
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Visual Studio & Eclipse Integration $ 145
MDG Integration and Enterprise Architect bring the best of UML 2.3 to your favorite IDE.

Distributed Data Services (DDS) Technology $ 205
A powerful, low cost design environment for creating complex data-centric publish subscribe services for real time and embedded applications.

TOGAF Technology $ 145
Align business and IT systems with strategic enterprise goals.

UPDM Technology $ 145
Enables practitioners to create models using the Department of Defense and Ministry of Defence architectural frameworks.

Zachman Framework Technology $ 145
Known for a solid history of helping enterprises collate, organize and structure their intellectual capital.

SysML Technology $ 105
A powerful, domain specific modelling solution for Systems Engineering.

Visual Studio & Eclipse Link $ 105
A flexible interface for controlling the import and export of code.

DOORS Link $ 105
Direct traceability of requirements data to Enterprise Architect system models.

BPSim Execution Engine $ 199
Direct traceability of requirements data to Enterprise Architect system models.

All prices in US Dollars

The 30 Day Trial of Enterprise Architect is fully-functional and completely free of charge.

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