

SYBASE®

SYBASE® POWERDESIGNER® 10.0

THE
ENTERPRISE.
UNWIRED.



WHAT IS POWERDESIGNER® 10.0?

PowerDesigner is a unique set of modeling tools combining several standard modeling techniques: application modeling through UML™, Business Process Modeling and traditional database modeling: in a highly integrated, repository based, customizable, graphical, intuitive and easy to use tool set.

PRODUCT DESCRIPTION

As a powerful all-in-one modeling and design solution, PowerDesigner enables enterprises to build information systems quickly, cost-effectively, and consistently. PowerDesigner offers capabilities for a variety of roles and responsibilities across the enterprise. PowerDesigner offers advanced teamwork and meta-data management using a central enterprise repository and has open support for all major development platforms.

PowerDesigner supports the following modeling techniques:

Data Modeling: Supports Conceptual, Logical and Physical Data models based on Information Engineering or IDEF 1/x notation.

Application Modeling: Supports all UML diagrams and offers advanced object/relational mapping for persistence implementation management. PowerDesigner also supports XML™-specific modeling techniques linked to UML and Data models.

Business Process Modeling: Supports intuitive, non-technical business process description and definition diagrams.

Integrated Modeling: Models are fully integrated using PowerDesigner's Link and Synch technologies. PowerDesigner Models integrate meta-data across all model types.

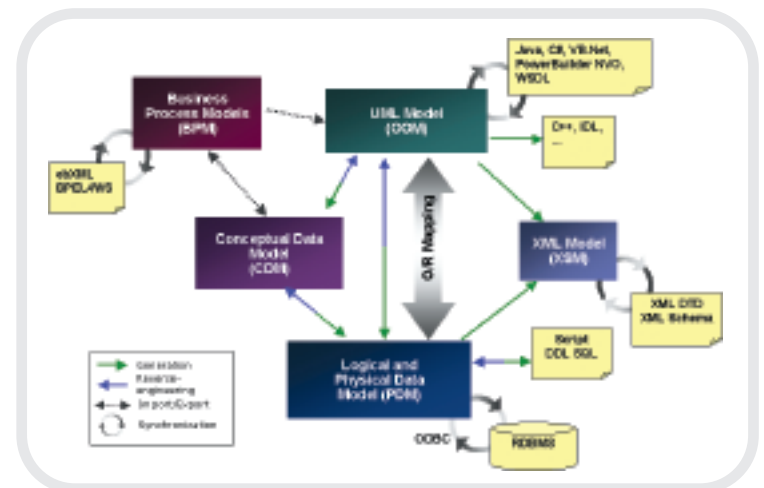
PowerDesigner offers specific modeling techniques for specific individuals. DBAs and developers can take advantage of technology-centric meta-data management capabilities while IT managers and non-technical users can benefit from business-centric techniques: all integrated into one common, easy to use, framework.

PowerDesigner's Enterprise Repository is a fully integrated design-time repository, hosted by your choice of relational database. PowerDesigner's highly scalable, remote-user friendly Enterprise Repository offers capabilities like: Role-based security on models and sub-models, version control and configuration management, merge, delta reports between models and versions, and comprehensive full repository search capabilities.

Open support for all major development platforms:

Supporting 45+ RDBMS, leading application development platforms like Java™ J2EE™, Microsoft® .NET, Web Services and PowerBuilder®, and process execution languages like ebXML and BPEL4WS.

Customizable: PowerDesigner offers fully scriptable MDA™ (Model Driven Architecture™) support, advanced support for UML profiles, automation through scripting languages and DDL or code generation through templates and scriptable code generators.



PowerDesigner Link and Synchronization Technology

POWERDESIGNER BENEFITS

IMPROVES INDIVIDUAL PRODUCTIVITY

PowerDesigner features a series of automatic code generators, reverse-engineering and roundtrip engineering (synchronization of code and model) capabilities that significantly reduce manual coding, maintenance and re-engineering efforts.

- Automatic Model and DDL script generation, reverse-engineering and synchronization for 45+ RDBMS
- Automatic Model and Code generation, reverse-engineering and synchronization for all leading platforms
- Automatic code generation templates for EJB, Web Services and more.
- Model Driven Architecture (MDA) for customizable enhanced code generation

SAFE CHOICE

PowerDesigner's commitment to innovations in Data, UML and Business Modeling make it the safe choice for all modeling requirements. PowerDesigner is a standard in many organizations worldwide.

GRAPHICAL EASE OF USE

PowerDesigner is a highly graphical, intuitive, modern windows-based modeling tool.

INTEGRATED MODELING—FACILITATE IT AND BUSINESS ALIGNMENT

PowerDesigner offers team collaboration through Link and Synch technology between all models supported: Business, UML and Data.

- Iterative, bi-directional model-to-model and inter-model generation with Compare/Merge technology between all models
- XML to Data, Object/Relational and Warehouse External Source mapping facilities

IMPROVES TEAM PRODUCTIVITY

PowerDesigner provides all modelers the ideal team-sharing environment with the only complete, single metadata repository for all modeling types.

- Enterprise repository with metadata management, versioning and role-based security

DOCUMENT EXISTING SYSTEMS

PowerDesigner improves project maintenance effectiveness as well as fosters faster system understanding and reuse through:

- Flexible multi-model report generator for automatic report generation from model templates and pre-built report objects.
- Report construction uses easy to use, graphical, drag and drop features

OPEN SUPPORT

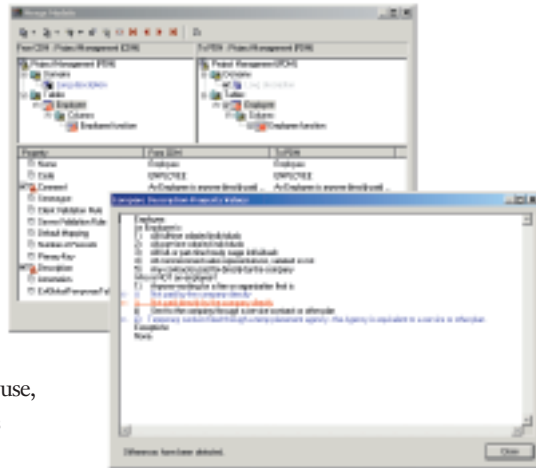
PowerDesigner supports:

- 45+ RDBMS, including Oracle® to 9i2, IBM® DB/2 to V8, Microsoft® SQL Server, Sybase ASA, ASE and IQ, and more.
- Development platforms: Java, C# and VB.Net, PowerBuilder, WSDL, Web Services, XML and more.
- Integration engines (ebXML, BPEL4WS, Sybase IO)

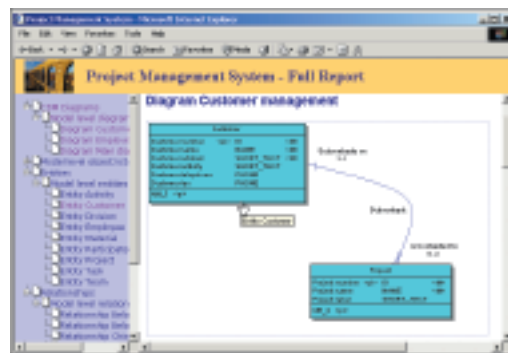
HIGHLY CUSTOMIZABLE

PowerDesigner features a flexible and highly extendable meta-model with a fully scriptable COM-compliant interface:

- UML profiles, Code generation templates, scriptable MDA framework and extended attributes available to ALL modules
- Embedded VB Scripting language and a fully documented API
- A Free Model module for semantic-free drawing or for building your own paradigm



PowerDesigner Generation Window with Merge



PowerDesigner Fully Hyperlinked HTML Report

TOP TEN REASONS TO UPGRADE TO POWERDESIGNER 10.0

FOR DATA MODELERS:

The Latest in Database Analysis – PowerDesigner 10.0 continues innovations in database analysis techniques and now includes IDEF 1/X to make PowerDesigner more intuitive for users familiar with this notation.

The Most Complete Physical Database Modeling – PowerDesigner 10.0 delivers more physical database design—new techniques for physical object management, more warehouse modeling support (fact and dimension views, bitmap join indexes, Query tables), and the latest RDBMS versions.

FOR ENTERPRISE MODELERS:

Innovations and Improvements in Business Process Modeling – PowerDesigner 10.0 offers improved Business Analysis through integration to Simul8's simulation engine as well as innovations in Service Oriented Architecture (SOA) design and process execution with BPEL4WS and ebXML round-trip engineering.

Stronger Integration to Development: Support for Microsoft .NET – PowerDesigner 10.0 adds complete round-trip engineering for C# and VB.NET as well as code to model synchronization techniques for Visual Studio.NET

Complete, Customizable and Extendable UML Support – PowerDesigner 10.0 has more ways to leverage UML analysis and design efforts with fully scriptable Model Driven Architecture (MDA), more patterns and templates for J2EE, .NET and Web Services.

The Best in Team Collaboration Through Easier Inter-model Generation Capabilities – PowerDesigner 10.0 makes it easy to manage multiple modeling paradigms together with a naming convention system that can automatically translate implementation names to specific standards based on the target RDBMS or language.

FOR EVERYONE:

Greater Ease of Use – PowerDesigner 10.0 improves usability through new features like the 'Move Diagram' wizard for easier package manipulation and sub-process management, composite views for decomposable processes and activities, new commands, functions and more.

More Powerful Customization Techniques – PowerDesigner 10.0 continues its tradition as the industry's most extensible modeling tool with more scripting and API accessible functions, new Event Handlers, and more.

XML Modeling—A New Approach – PowerDesigner 10.0 adds to its most popular packages a new module for XML-specific design. The XML gives a 1:1 representation of XML DTD or Schema with complete round-trip engineering capabilities and mapping to data and UML diagrams.

Improved Metadata Management Within the Enterprise Repository – PowerDesigner 10.0's repository enhancements include new techniques to manage models and improved overall performance.

Enhancements to Model and Multi-Model Reports – PowerDesigner 10.0 makes HTML and RTF reports more powerful and customizable, including a choice for PNG or JPEG images to maximize performance in HTML reports.

POWERDESIGNER 10.0 HIGHLIGHTS

With powerful technology for business modeling and leading edge UML object modeling combined with industry leading traditional database analysis and design, and a true enterprise repository, PowerDesigner 10.0 is the leader in enterprise modeling tools.

CORE FEATURES:

- **Business Analysis** – Enhanced Business Process Modeling with links to simulation
- **Process Execution** – ebXML, BPEL4WS, Service Oriented Architecture support
- **Data Modeling** – Multi-level Conceptual, Logical, Physical and Warehouse Data Modeling
- **Open Database Support** – Full round-trip engineering for 45+ RDBMS, including Oracle to 9i2, IBM DB/2 to v8, Microsoft SQL Server 2000, Sybase ASE, ASA and IQ, MySQL and many more
- **Object Modeling** – Highly extendable UML modeling supporting all 9 UML diagrams
- **Open Object Language Support** – Full round-trip engineering for Java, C#, VB.NET, PowerBuilder, XML, C++, more
- **Powerful Productivity** – Enhanced support for J2EE, .NET and Web Services
- **Enterprise Modeling** – Comprehensive Link and Synch technology for ultimate metadata management
- **Enterprise Modeling** – Object/Relational, XML to database and warehouse source mapping techniques
- **Service Oriented Architecture** – Service orchestration through linking UML components, UDDI and WSDL described Web Services around an executable process
- **Documentation Generation** – Comprehensive drag-and-drop report writer with HTML and RTF report generation
- **Easy To Use** – Enhanced wizards for productivity
- **Highly Extendable** – Customizable GUI, profiles, MDA, scripting

ENTERPRISE REPOSITORY:

- **Ideal Team Solution** – Enables multiple modelers to work on the same model at the same time
- **Metadata Management** – Stores, manages and versions PowerDesigner models and all other documents in a single location
- **Software Asset Management** – Find and reuse objects across all models and projects
- **Secure** – Role-based security with logging capabilities
- **Open** – RDBMS hosted tables fully documented for external tool SQL-based reporting

POWERDESIGNER 10.0 MODULAR PACKAGING

PowerDesigner is a set of modeling tools that address the needs of multiple market segments.

DataArchitect™ and PhysicalArchitect™ –

Addresses the needs of the most discriminating Data Modelers and DBAs. DataArchitect offers full data analysis and comprehensive multi-level design techniques with round-trip engineering and detailed design capabilities for over 45 RDBMS vendor/versions. PhysicalArchitect assists DBAs in more fundamental administration tasks.

Developer –

Addresses the needs of the Object Modeling community with full analysis and design support for all 9 UML diagrams. PowerDesigner Developer includes features to improve developer productivity for Java (and J2EE), C#, VB.NET, XML and PowerBuilder users.

Business Process Architect – Addresses the needs of the Business Analyst community with non-technical, business modeling techniques. PowerDesigner improves business processes by modeling, designing and simulating these processes (simulation performed through Simul8). Business Process Architect is a unique Business Modeling solution with its enterprise repository, link to technical modeling, and support for ebXML and BPEL4WS.

ObjectArchitect and Studio – Addresses the needs of the Enterprise Modeling community (IT Management and business management) that needs to maintain a single center of control over all metadata. Combining all the technical modeling in ObjectArchitect or extending technical modeling into Business Modeling (Studio), PowerDesigner streamlines communication and collaboration across the enterprise. Studio also offers the ability to facilitate business and IT alignment.

Viewer – Addresses the need for non-editing users (documentation teams, higher-level technical managers, model users) to have access to all of the PowerDesigner tools without requiring a full PowerDesigner license. Viewer is a read only tool that can read any PowerDesigner model, retrieve any model from the Enterprise Repository, print models, and create reports.

Enterprise Editions (DataArchitect Enterprise, PhysicalArchitect Enterprise, ObjectArchitect Enterprise, Developer Enterprise, Studio Enterprise) – Includes one Enterprise Repository connection for each user. Purchase or upgrade to an “Enterprise” version of any of the modules for each seat you want to have collaborate as part of a connected team.

MINIMUM SYSTEM REQUIREMENTS

- Windows® NT4 SP6, 2000, XP
- Pentium® CPU 90 mhz
- 90 MB RAM
- XGA Display
- CD-ROM (for installation)
- 200MB Available disk space

ENTERPRISE VERSION REQUIREMENTS

Supported RDBMS with ODBC connection (Supported RDBMS includes Sybase, Microsoft®, IBM® and Oracle® databases)

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