Sybase® PowerDesigner® is an all-in-one modeling and design solution for enterprises that need to build or re-engineer business applications quickly, cost-effectively and consistently. PowerDesigner integrates support for all modern RDBMS and development for Java™, .NET, PowerBuilder® and Web Services. It is a unique set of modeling tools combining several standard modeling techniques: application modeling through UML, Business Process Modeling and market-leading data modeling, all supported by a powerful metadata management solution.

Sybase PowerDesigner provides Sybase Adaptive Server® Enterprise and Sybase IQ Data Analysts, Database Developers and Database Administrators complete control over data architecture. PowerDesigner provides unmatched analysis capabilities, from the Requirements Model importing and exporting Word based requirements documents to our Conceptual, Logical and Physical models for multiple layers of abstraction. Tied into this is PowerDesigner’s customizable database generation engine that creates completely accurate DDL for all supported versions of Adaptive Server Enterprise and IQ databases.

POWERDESIGNER ADAPTIVE SERVER ENTERPRISE AND IQ SPECIFIC FEATURES

PowerDesigner supports the unique capabilities of Sybase Adaptive Server Enterprise and Sybase IQ by extending PowerDesigner’s complete support for traditional data analysis and design features. PowerDesigner captures and generates Adaptive Server Enterprise specific artifacts such as smart partitions, locking scheme definitions (row/page), external table definitions, data encryption, Java, web services and XML in the database. PowerDesigner supports Sybase IQ specific artifacts such as Join Indexes, all column index types (LF, HG, HNG, CP, DATE, DTTM, TIME and WD), global temporary tables, IQ Unique values on columns, Java, and web services in the database. Additionally for Sybase IQ, PowerDesigner provides a wizard to automatically generate IQ’s column index types. For Sybase Replication Server®, PowerDesigner adds the capability of building the ASE and IQ staging environment using simple wizards. A PowerDesigner exclusive, the Information Liquidity Model provides complete round-trip engineering for all Replication Server environments.

KEY BENEFITS

The safe choice

PowerDesigner’s market proven 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’s highly customizable user interface makes common tasks easy while empowering advanced users rapid access to all features.

Align business and IT

PowerDesigner facilitates Business and IT alignment through team collaboration using unique Link and Synch technology between the Business, Information and Technical views of an organization. These views are supported via specific Requirements, Business Process, UML and Data models.

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POWERDESIGNER 12.5
MODULAR PACKAGING

PowerDesigner is available in the following modular configurations:
- **DataArchitect™** – Addresses the needs of the most discriminating Data Modelers and DBAs. DataArchitect offers requirements management and full data analysis and comprehensive multi-level design techniques with round-trip engineering and detailed design capabilities for over 60 RDBMS vendor/versions.
- **DataArchitect Enterprise** – Includes one Enterprise Repository connection for each user. Purchase or upgrade to an “Enterprise” version of DataArchitect for each seat you want to have collaborate as part of a connected team.
- **Viewer** – Addresses the need for documentation teams, higher-level technical managers or other users to access all of the PowerDesigner tools without requiring a full PowerDesigner license. Viewer is a read only tool that can access any PowerDesigner model, retrieve any model from the Enterprise Repository, print models, and create reports. Viewer is available free of charge from www.sybase.com/products/powerdesigner

MINIMUM SYSTEM REQUIREMENTS

- Windows® XP, Server 2003, Vista®
- Pentium® CPU 500MHz
- 256 MB available RAM
- SVGA display (800x600 or better)
- 500 MB available disk space

ENTERPRISE VERSION REQUIREMENTS

- Supported RDBMS with client connection
- Supported RDBMS includes Sybase, Microsoft, IBM and Oracle databases

KEY FEATURES

**Data modeling**

Conceptual, logical and physical data models are based on Information Engineering (IE) or IDEF 1/x notation. Conceptual and logical models provide database-independent analysis level models, fully linked to multiple physical models for true multi-level design. Physical models document, generate and reverse engineer structures for over 60 RDBMS. Support includes all database artifacts and new techniques such as Java, XML and Web Services in the database, security modeling, advanced techniques for views and more.

**Data movement modeling**

A PowerDesigner exclusive, the Information Liquidity Model (ILM), documents all aspects of information movement. Source data stores, target data stores, multiple transformations, publication and subscription serve to document any ETL, EII or replication process.

**XML modeling**

XML specific modeling techniques document, generate and reverse engineer XML Schema and XML DTD structures. The XML models are linked (using simple or complex mappings) to process models, UML models and data models to document XML use throughout the enterprise.

**Improve individual productivity**

PowerDesigner’s model-driven approach features a series of customizable code and DDL generators, reverse-engineering and code synchronization capabilities that significantly reduce manual code creation, maintenance and re-engineering efforts.

**Improve team productivity**

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

**Share information**

PowerDesigner fosters greater enterprise collaboration through flexible, document-based, and multi-model reporting presented in RTF and/or fully hyperlinked HTML.

**Open support**

PowerDesigner benefits heterogeneous systems understanding by supporting all leading development, XML database and process language standards within a single tool and framework.

**Highly customizable**

PowerDesigner can be easily “programmed” to enforce corporate or regulatory standards and practices through embedded VB Scripting, a fully scriptable COM interface, customizable metamodel and fully documented API.

**Reduce the impact of change**

PowerDesigner significantly reduces the cost and time when implementing any change though a fast and accurate bi-directional multi-model impact analysis view integrating all requirements, analysis, detailed database and application models.

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