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TOOLBUS Interface for CA ERwin Data Modeler and PowerDesigner

Version 6.01

Data Sheet

(effective September 2011)

The TOOLBUS Interface for **CA ERwin Data Modeler** and **Sybase PowerDesigner** enables the bi-directional migration of Conceptual, Logical and Physical Data Models between CA ERwin Data Modeler and Sybase PowerDesigner, or PowerAMC.

Conceptual & Logical Data Models:

- Entities, Relationships, Attributes, Keys, Domains and Validation Rules are migrated from CA ERwin Data Modeler to PowerDesigner Conceptual Models (CDM) and Logical Models (LDM) with their properties and textual documentation, and vice versa.
- The physical names for Entities and Attributes, i.e. the Table and Column names, are scanned in the ERwin model, and Code names are inserted into the Conceptual and Logical Data Model in PowerDesigner. Code names from PowerDesigner are used to create physical names for Erwin.

Physical Data Models:

- Tables, Columns, Primary Keys, Foreign Keys, Indexes and Storage objects (Databases, Tablespace, etc.) from CA ERwin Data Modeler are migrated to Physical Data Models in PowerDesigner PDM files, and vice versa.
- The logical names for Tables and Columns, i.e. the Entity and Attribute names, are scanned in the ERwin model, and logical names are inserted into the Physical Data Model in PowerDesigner PDM files for Tables and Columns, and vice versa.
- The links from Physical to Conceptual and Logical Models are inserted as Version Information into the physical objects (e.g. Tables and Columns) in PowerDesigner PDM files.

Diagram Layout: The layout of the data model diagrams from ERwin Data Modeler is maintained in the PowerDesigner CDM, LDM and PDM diagrams, including relationship line routing and colors, and vice versa.

User Defined Properties: The TOOLBUS Interface supports the migration of User Defined Properties (UDPs) from CA ERwin Data Modeler to User Extensions for PowerDesigner (XEM files for Extended Model Definitions can be generated automatically), and vice versa.

Migration Process: In order to migrate logical and physical data models from CA ERwin Data Modeler to PowerDesigner, the TOOLBUS Interface generates CDM, LDM and PDM files for PowerDesigner from ERwin .xml and .erwin files, and from CA ERwin Model Manager (ModelMart). In order to migrate data models from PowerDesigner to CA ERwin Data Modeler, the TOOLBUS Interface generates XML import files for CA Erwin from PowerDesigner CDM, LDM and PDM files.

Platform: The TOOLBUS Interface for ERwin and PowerDesigner requires Windows 2000/XP/Vista/7. It supports CA ERwin Data Modeler 4.1, 4.1.4, 7.x, 8.0 and 8.1, and Sybase PowerDesigner 9.0 to 16.0.