



TOOLBUS Interface for PowerDesigner and Rational XDE

Version 2

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Data Sheet

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The TOOLBUS Interface for PowerDesigner and Rational XDE enables the conversion of UML Class Diagrams and UML Use-Diagrams from IBM Rational XDE to Object Oriented Models (OOM) for Sybase PowerDesigner, and the transformation of UML Class Models and Data Models from Rational XDE to Conceptual Data Models (CDM) and Physical Models (PDM) for PowerDesigner. The TOOLBUS Interface supports the XDE Data Modeler extensions for UML Class Models.

Conversion Paths from IBM Rational XDE to Sybase PowerDesigner:

1. UML Diagrams from Rational XDE can be converted to UML Diagrams for PowerDesigner (OOM).
2. UML Class Diagrams from Rational XDE can be converted to Conceptual Data Models for PowerDesigner CDM.
3. Data Models from Rational XDE can be converted to Physical Data Models for PowerDesigner (PDM).
4. UML Class Diagrams and Data Models from Rational XDE can be converted to Conceptual and Physical Data Models for PowerDesigner (CDM and PDM), and the links between the PDM objects (Tables, Columns, Foreign Keys) and the CDM objects (Entities, Attributes, Associations) are established.

The UML Diagrams and the Data Models are converted from Rational XDE to PowerDesigner with their properties and documentation. The layout of the UML and Data Model Diagrams from Rational XDE is maintained in the UML Diagrams and Data Model Diagrams in Sybase PowerDesigner.

Statement of Direction: The TOOLBUS Interface can be extended to support the migration of additional UML Diagrams from Rational XDE to PowerDesigner (in addition to UML Class Diagrams and UML Use-Case Diagrams), particularly UML Activity Diagrams, UML Statechart Diagrams and UML Sequence Diagrams.

Interface Technology: The TOOLBUS Interface uses the API functions of the Rational XDE Extensions (RXE), and additional API functions of the Rational XDE SDK to read XDE models, and it generates OOM and CDM files for PowerDesigner.

Platform: The TOOLBUS Interface for PowerDesigner and PowerDesigner requires Microsoft Windows 2000/XP/Vista. The TOOLBUS Interface supports Sybase PowerDesigner versions 12.5 and 15, and IBM Rational XDE 2003.