



Reischmann Informatik GmbH

Berrschestrass 2

Munich, D-81245

Germany

Phone +49-89-829260-0

Fax +49-89-829260-25

E-mail info@reischmann.com

www.reischmann.com

TOOLBUS Interface for Oracle Designer and Rational Rose

Version 3

Data Sheet

(effective February 2008)



The TOOLBUS Interface for Oracle Designer and Rational Rose enables migration of UML Class Models from IBM Rational Rose to Entity-Relationship Data Models in Oracle Designer, and vice versa: Entity-Relationship Data Models which were described in Oracle Designer can be converted to UML Class Diagrams to populate new models in Rational Rose. UML Class Diagrams can be converted to Entity-Relationship Data Models for Oracle Designer, in order to facilitate using the database design and the SQL DDL generation functions of Oracle Designer. With the TOOLBUS interface both tools can supplement each other in a coexisting way.

These object types can be migrated between the two tools:

Rational Rose

Oracle Designer

Logical Package, Class Diagram	<==	Data Model Diagram (unidirectional)
Class	<==>	Entity
Link Class (unidirectional)	==>	Entity
Generalization/Specialization	<==>	Super/Sub Entity
Association	<==>	Relationship
Attribute	<==>	Attribute

Data Modeler Support: The TOOLBUS Interface fully supports the Rose Data Modeler for the transformation of Rose Class Models to Entity-Relationship Models in Oracle Designer, and vice versa (e.g. the Identifiers and the data types are derived from the Data Modeler entries). As an alternative to the Data Modeler standard, the classification of Attributes and Associations as part of the Primary Key, and the mapping of datatypes can also be customized.

Special Transformation Options: The TOOLBUS interface provides special transformation options for the customization of the transformation rules according to the needs of the user:

- All Classes, or only persistent classes, can be selected for the migration from Rational Rose to Oracle Designer.
- Stereotypes can be used in Rational Rose to mark identifying Attributes, mandatory Attributes and identifying Associations.
- For the mapping of Datatypes used in Rose (e.g. specified in C or VisualBasic syntax) to the Datatypes which are defined for Attributes in Oracle Designer, a mapping editor is provided, which allows to specify special mapping rules according to the standards of the user. As a default the Oracle Types which are provided by Rational Rose are used.

Interface Technology: The interface uses the Application Programmatic Interface of Oracle Designer (API) and the Rose Extensibility Interface (REI).

Platform: The TOOLBUS Interface for Oracle Designer and Rational Rose requires Microsoft Windows 2000/XP/Vista. The interface supports Oracle Designer 2.1., 2.1.2, 6.0, 6i, 9i, 10g and Rational Rose 98i, 2000, 2000e, 2001, 2001A, 2002, 2003.