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## **TOOLBUS Interface for COOL:BusinessTeam/DBA (GroundWorks/Terrain) and PowerDesigner Version 1**

**Data Sheet**  
(effective April 2002)

The TOOLBUS Interface for COOL:BusinessTeam/DBA and PowerDesigner enables the import of Entity-Relationship Models from COOL:BusinessTeam (or from GroundWorks, Bachman/Analyst) into Conceptual Data Models in PowerDesigner, and the import of Physical Models (DB2 and Oracle models) from COOL:DBA (or from Terrain, Bachman/DBA) to Physical Data Models in PowerDesigner.

### **Import Alternatives:**

The TOOLBUS Interface provides three migration paths:

#### **1. Import of Entity-Relationship Models from COOL:BusinessTeam/GroundWorks into Conceptual Data Models in PowerDesigner:**

- Entity-Relationship Models (Entities, Attributes, Partnerships, Domains, Allowed Value Tables) are imported from COOL:BusinessTeam (or from GroundWorks, Bachman/Analyst) into Conceptual Models in PowerDesigner.
- The System Maps to the physical model, which contain Table and Column names, are scanned in the COOL:BusinessTeam/GroundWorks model, and Code names are inserted into the Conceptual Data Model in PowerDesigner for Entities and Attributes.
- Allowed Value Tables from COOL:BusinessTeam/GroundWorks are migrated to Minimum/Maximum Values and Value Lists of Domains in PowerDesigner.
- When importing models from COOL:BusinessTeam to PowerDesigner, Filter Models are mapped to Data Model Diagrams in PowerDesigner, and the layout of the Entity-Relationship Diagrams is reproduced to a high degree. For models from GroundWorks, the layout of the whole Entity Model is reproduced, and for the Filters a default layout is generated for the Diagrams in PowerDesigner.

#### **Migration Process:**

To migrate a COOL:BusinessTeam/GroundWorks model to PowerDesigner, it must be exported into a VAR file. The TOOLBUS Interface generates a (XML) CDM file for PowerDesigner.

## **2. Import of Physical Models from COOL:DBA into PowerDesigner:**

- Relational Models (Databases, Tables, Columns, Indexes, etc.) are imported from COOL:DBA (or from Terrain, Bachman/DBA) into Physical Data Models in PowerDesigner.
- The System Maps to the logical model, which contain Entity and Attribute names, are scanned in the COOL:DBA/Terrain model, and Entity and Attribute names are inserted into the Physical Data Model in PowerDesigner for Tables and Columns.

### Migration Process:

To import a COOL:DBA model into PowerDesigner, it must be exported into a VAR file. The TOOLBUS Interface generates an XML (PDM) file for PowerDesigner from the VAR export file.

## **3. Import of Entity-Relationship & Relational Models from COOL:BusinessTeam and COOL:DBA into PowerDesigner:**

The export files from COOL:BusinessTeam and COOL:DBA are migrated together:

- The Conceptual Data Model in PowerDesigner is created from the COOL:BusinessTeam (or GroundWorks) model, as described for import path 1 above.
- The Physical Data Model in PowerDesigner is created from the COOL:DBA (or Terrain) model, as described for import path 2 above.
- The System Maps to the Logical Model, which are found in the COOL:DBA/Terrain model, are evaluated, and links to Entities and Attributes are inserted into the PowerDesigner model for Tables and Columns.

### Migration Process:

To import a COOL:BusinessTeam together with a COOL:DBA model into PowerDesigner, both models must be exported into VAR files. The TOOLBUS Interface generates (XML) CDM files and (XML) PDM files for PowerDesigner from the VAR export files.

### **Platform:**

The TOOLBUS Interface for PowerDesigner and COOL:BusinessTeam/DBA requires Microsoft Windows NT/2000/XP.

The TOOLBUS Interface supports the migration of Logical Models from the following Bachman tools to PowerDesigner 9:

- COOL:BusinessTeam 1.2, 1.2a
- GroundWorks 1.x, 2.x
- Bachman/Analyst 4.15, 4.20, 4.30 and 4.4

The TOOLBUS Interface supports the migration of Physical Models from the following Bachman tools to PowerDesigner 9:

- COOL:DBA 2.1
- Terrain for DB2 5.2, 5.3. 5.4
- Bachman/DBA 4.4

- **About RI:** *Reischmann Informatik GmbH* specializes in the development of interfaces for CASE tools and repositories. Currently, RI's TOOLBUS products support more than 30 CASE tools and repositories, and more than 200 companies worldwide have been using TOOLBUS interfaces to migrate their models.