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# TOOLBUS Interface for Advantage Gen and Oracle Designer

Version 2

## Data Sheet

(effective May 2002)

The TOOLBUS Interface for **Advantage Gen for Enterprise Servers** (formerly available as **IEF / Composer / COOL:Gen**) and **Oracle Designer** enables the exchange of Data Models and Process Hierarchies in both directions:

- ◆ Entities, Relationships, Attributes and Identifiers are bidirectionally migrated with their properties and textual descriptions.
- ◆ Type and Length information of Domains in Designer is transformed to Type and Length information of Attributes in Advantage Gen. Type and Length information of Attributes in Advantage Gen is migrated to Type and Length information of Designer Attributes.
- ◆ For every Entity-Relationship Diagram of Designer a Scoped Data Model is created in Advantage Gen, with the following restrictions:
  - As the layout of the Entity-Relationship Diagrams cannot be exported from Oracle Designer, a default position is calculated for Entities in Advantage Gen.
  - Scoped Data Models from Advantage Gen can not be migrated to Designer, as the import of Diagrams is not supported by the API functions of Designer.
- ◆ Attribute Values from Designer are transformed to Permitted Values in Advantage Gen, and vice versa.
- ◆ Function Hierarchies are migrated from Designer to Activity Hierarchies in Advantage Gen, and vice versa. All textual descriptions of Business Functions / Processes are transferred.
- ◆ Usages of Entities and Attributes by Functions (CRUD matrices) from Designer are mapped to Expected Effects in Advantage Gen, and vice versa

**Migration Process:** To migrate models from Designer to Advantage Gen, an Application System is selected with the Graphical User Interface (GUI) of TOOLBUS. The Data Models and Process Hierarchies, which are contained in this Application System, are exported to a standard interface file called "TOOLBUS". Then the TOOLBUS interface uses the Read/Update API of Advantage Gen to import the objects from Designer into a newly created Advantage Gen Toolset Encyclopedia.

To migrate a model from Advantage Gen to Designer, the Advantage Gen Toolset Encyclopedia is exported with the Read API of Advantage Gen to an intermediate TOOLBUS File. The TOOLBUS update program builds a new Application System or updates the latest version of an existing Application System by the functions provided by the API (Application Programmatic Interface) of Designer, using the TOOLBUS file as input.

**Platform:** The TOOLBUS Interface for Advantage Gen and Oracle Designer requires Windows NT/2000/XP, or Windows 95/98/Me. It supports Advantage Gen releases 4.1a, 5.0, 5.1, 5.2 and 6.0, Oracle Designer/2000 release 1.3, and Oracle Designer releases 2.1, 2.1.2, 6.0 and 6i.