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COOLGENBUS

ROCHBUS Interface

for the Rochade Repository and Advantage Gen (COOL:Gen)

Version 3.00

Data Sheet (effective May 2003)

COOLGENBUS enables upload of models from **Advantage Gen for Enterprise Servers** (formerly available as **COOL:Gen**) to Rochade, and download of models from Rochade to Advantage Gen. COOLGENBUS uses the Read/Update API of Advantage Gen for reading and updating of models in Toolset Encyclopedias of Advantage Gen.

COOLGENBUS uses the **ROCHBUS** technology, which was developed by REISCHMANN INFORMATIK GmbH for the exchange of meta data between the Rochade Repository and CASE tools.

System Requirements

COOLGENBUS Version 3.00 supports Advantage Gen 4.1a (or higher).
COOLGENBUS requires a Rochade CLient 5.2 (or higher) for Microsoft Windows 95/98/Me, or Windows NT/2000/XP, and the Rochade API.

Repository Information Model:

COOLGENBUS uses the IEFBUS-RIM of Rochade for a one-to-one mapping of the Advantage Gen meta model, and it supports the CDM-RIM for integration and exchange of Conceptual Data Models (Entity-Relationship Models) with other CASE tools.

Model Mapping of Advantage Gen and Rochade

COOLGENBUS supports these object types of Advantage Gen:

1. Data oriented objects:

All Advantage Gen objects for Data Modeling are supported, "Component Models" included. These objects can be alternatively mapped to the CDM-RIM (integration model) or to the IEFBUS-RIM (Advantage Gen proprietary meta model) in the Rochade repository.

2. Process oriented objects:

Activity Hierarchies, including "Expected Effects" and Data Views of Functions and Processes can be imported into the IEFBUS-RIM of Rochade and exported to Advantage Gen.

Remark: COOLGENBUS also enables the integration and the exchange of Entity-Relationship Data Models from Advantage Gen with Entity-Relationship Data Models which were described in CASE tools from other vendors. This is accomplished by the **CDM-RIM** of Rochade (Repository Information Model for Conceptual Data Models), which is used for the mapping of Entity-Relationship models from Advantage Gen. Entity-Relationship Data Models which were described in other CASE tools can be migrated to Advantage Gen via the Rochade Repository, and vice versa. Rochade is the central database ("Meta Data Warehouse") which gathers all the Data Models of the enterprise.

COOLGENBUS Item Types

For the mapping of Advantage Gen objects to Rochade, either the CDM-RIM or the IEFBUS-RIM can be used:

CDM-RIM:

CDM/ATTRIBUTE
CDM/ATTRIBUTE-VALUE
CDM/DATA-TYPE
CDM/DATATYPE-VALUE
CDM/DIMENSION
CDM/ENTITY
CDM/IDENTIFIER
CDM/MODEL
CDM/RELATIONSHIP
CDM/SUBJECT-AREA
CDM/SUBTYPE-SET
CDM/VALID-VALUE
CDM/VALIDATION-RULE

IEFBUS-RIM:

IEF/ATTRIBUTE-TYPE
IEF/ENTITY-TYPE
IEF/FUNCTION
IEF/IDENTIFIER
IEF/MODEL
IEF/PARTITIONING
IEF/PROCESS
IEF/REL-MUTUAL-EXCL
IEF/RELATIONSHIP-TYPE
IEF/SCOPED-DATA-MODEL
IEF/SUBJECT-AREA