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TOOLBUS Interface for Corporate Modeler and Rational XDE Version 3

Data Sheet (effective April 2008)

The TOOLBUS Interface for Corporate Modeler and IBM Rational XDE enables the conversion of Entity Models from Corporate Modeler to Class Models for Rational XDE, and vice versa (bi-directional interface), and the import of UML Diagrams from Rational XDE into Corporate Modeler 10, using the UML Templates of CM10 (unidirectional interface).

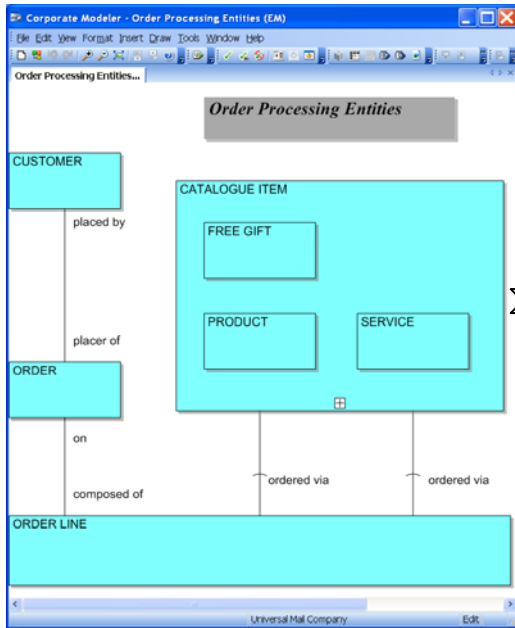
1. Bi-directional Conversion of CM Entity Models to XDE Class Models

The mapping between the objects of the Entity models and Class models complies with the standards of the XDE Data Modeler:

<u>Corporate Modeler</u>	<u>Rational XDE</u>
Entity Model	Class Diagram
Entity	Class
Subtypes	Specialization/Generalization
Attribute	Attribute
Key Member of Primary Key	OID=True
Mandatory	IsNullable=False
Data Properties (Picture of associated Domain)	TypeExpression of Attribute
Relationship	Association
Key Member of Primary Key	Kind=COMPOSITION
Role	End1Name/End2Name
Cardinality	End1Multiplicity/End2Multiplicity
(not transformed from Rational XDE)	Operation

All textual documentation (e.g. descriptions and notes) is migrated in both directions.

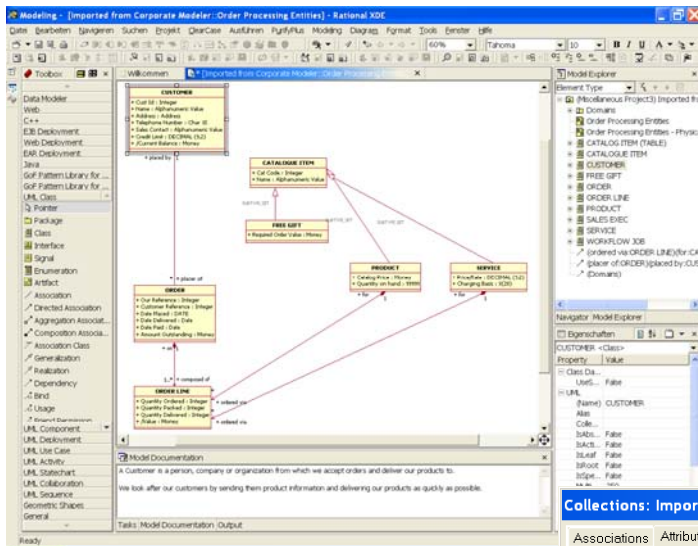
Entity Model Conversion from Corporate Modeler to Rational XDE:



Entity Model in Corporate Modeler

Source and Target Model Selection

TOOLBUS Conversion



Converted Class Model in Rational XDE

Name	Visibility	TypeExpression	IsDerived	IsNullabled	OID	Persistence
Cust Id	0 - PUBLIC	Integer	False	False	True	PERSISTENT
Name	0 - PUBLIC	Alphanumeric Value	False	False	False	PERSISTENT
Address	0 - PUBLIC	Address	False	True	False	PERSISTENT
Telephone Number	0 - PUBLIC	Char 15	False	True	False	PERSISTENT
Sales Contact	0 - PUBLIC	Alphanumeric Value	False	False	False	PERSISTENT
Credit Limit	0 - PUBLIC	DECIMAL (9,2)	False	True	False	PERSISTENT
Current Balance	0 - PUBLIC	Money	True	True	False	PERSISTENT

2. Unidirectional Conversion of XDE UML Models to CM UML Models

The TOOLBUS Interface for Corporate Modeler and IBM Rational XDE supports the **UML Extension** of Corporate Modeler 10.

The following UML Diagrams from Rational XDE can be imported into Corporate Modeler 10, using the UML Templates of CM10:

- UML Class
- UML Use Case

Interface Technology:

The TOOLBUS Interface for Corporate Modeler and Rational XDE uses the XML export/import files of Corporate Modeler and the XDE Extensibility Interface (REI).

Platform:

The TOOLBUS Interface for Corporate Modeler and Rational XDE requires Windows 2000/XP/Vista. It supports Corporate Modeler 8e, 9.x and 10.x, and IBM Rational XDE 2003.