IBM Software Group

IBM Rational Data Architect v7.0

Rafał Skirzyński

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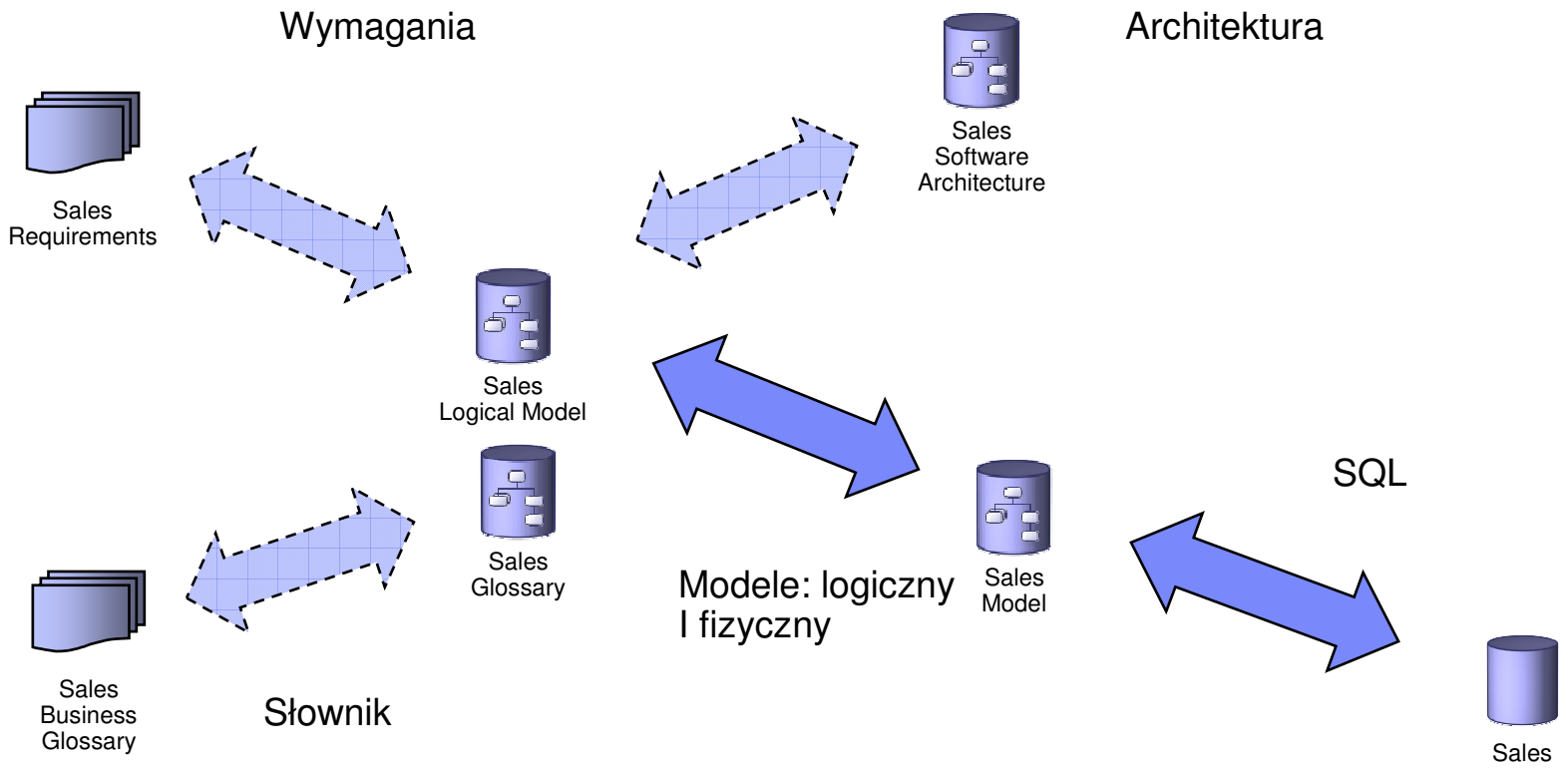
Rational Data Architect

Enterprise Data Modeling and Integration Design

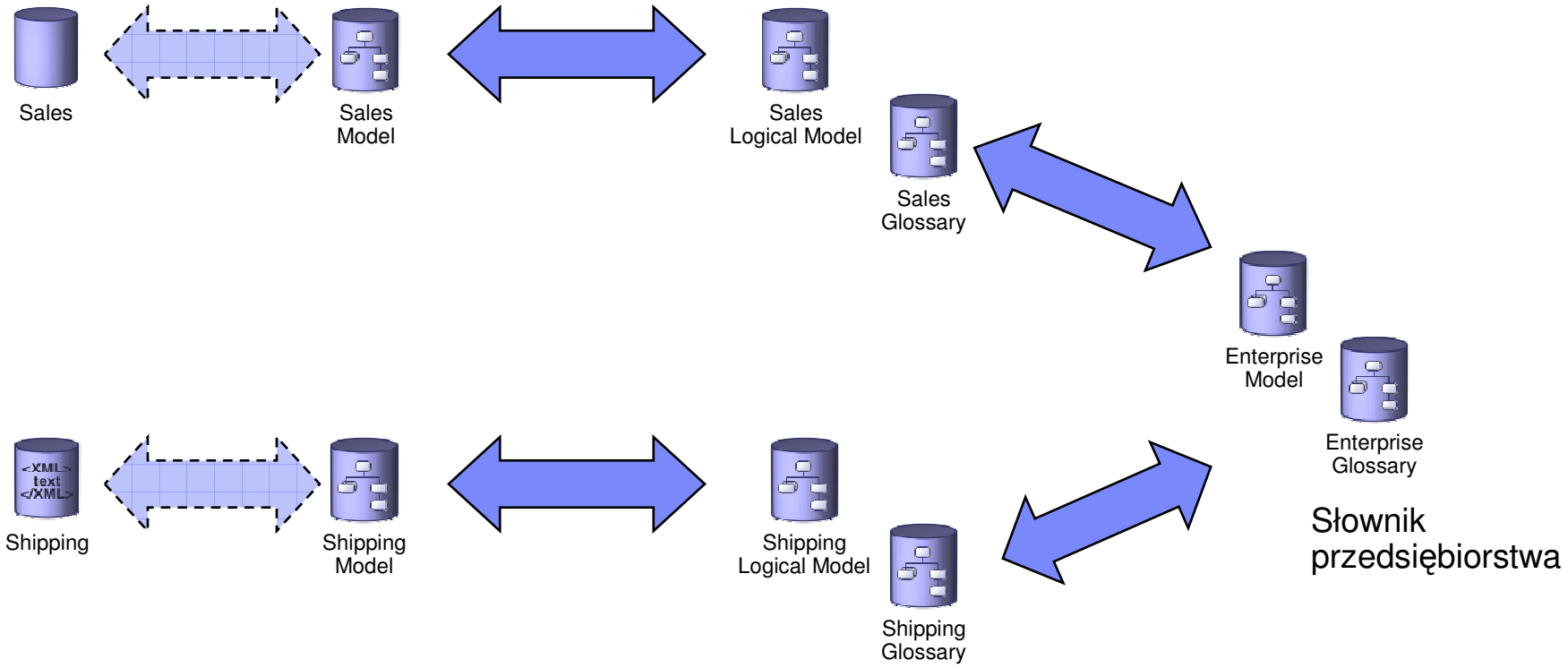
Platforma Eclipse

Wizualizacja Diagramy ER, diagramy topologiczne, reverse-engineering	**Standaryzacja** nazewnictwo, normalizacja, reguły	**Federacja** Podgląd i praca na schematach baz sfederowanych	**Synchronizacja** Porównianie modeli i ich synchronizacja; Porównianie model – db i synchronizacja
Modelowanie Diagramy logiczne i fizyczne, modele domenowe	**XML** Edytor XML, XSD Mapowanie XML	**Powiązania** Mapowanie modeli, odkrywanie powiązań	**Kodowanie** Edytor SQL, edytor procedur składowanych, kreatory, debugger dla DB2
Przechowywanie Modeli, plików SQL, XML	**Zespół** Wersjonowanie, dokumentacja	**Integracja** Powiązanie z wym, połączenia z db	**Import/Export** Modele, biblioteki-słowniki

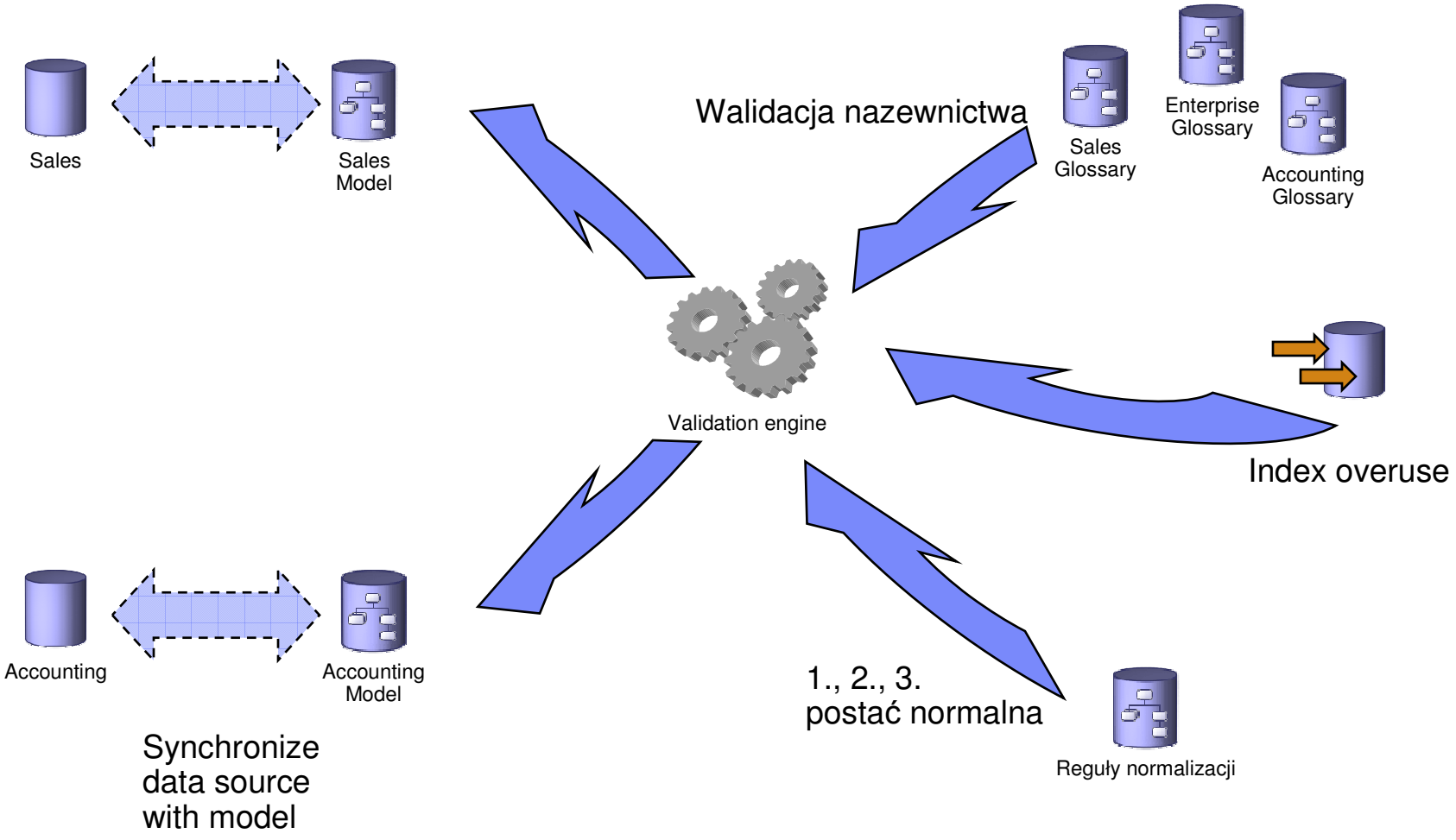
Projektowanie bazy danych



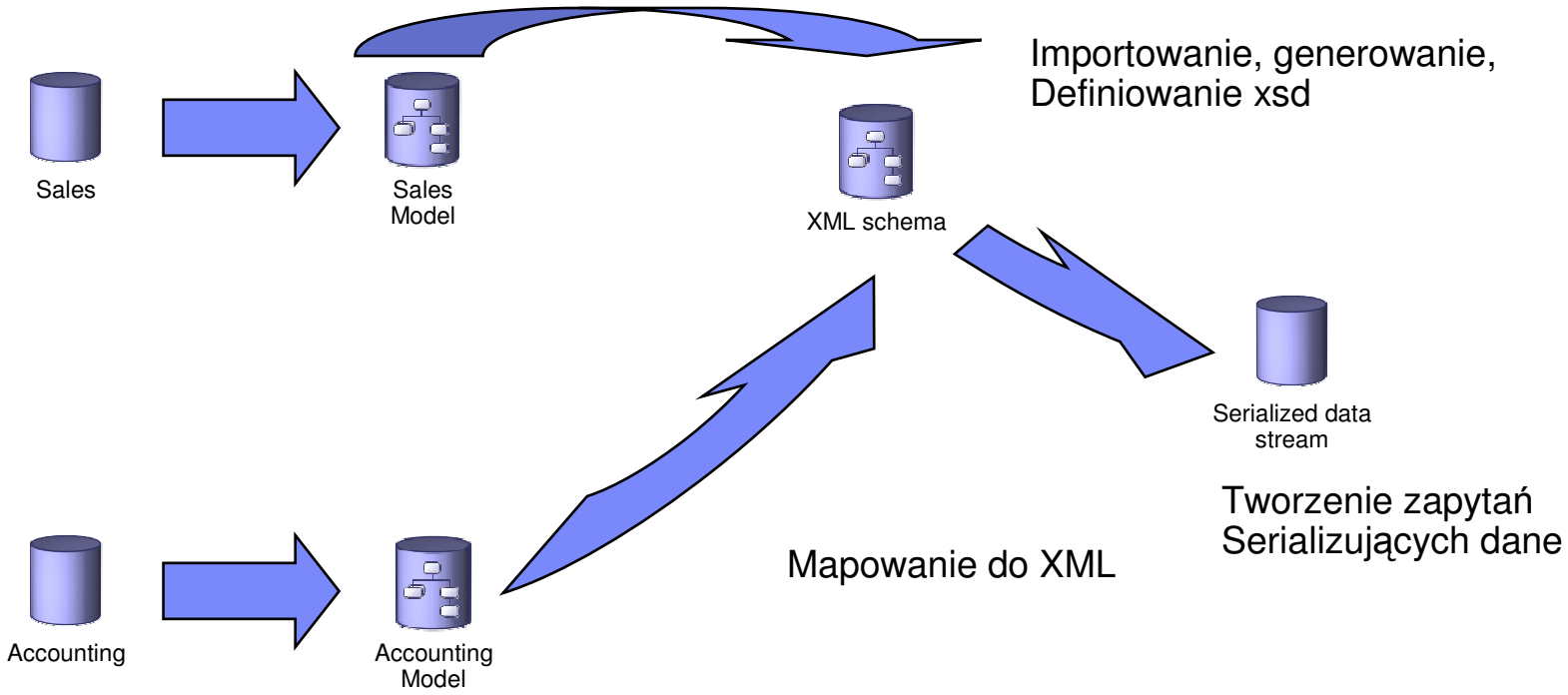
Standaryzacja



Walidacja projektu



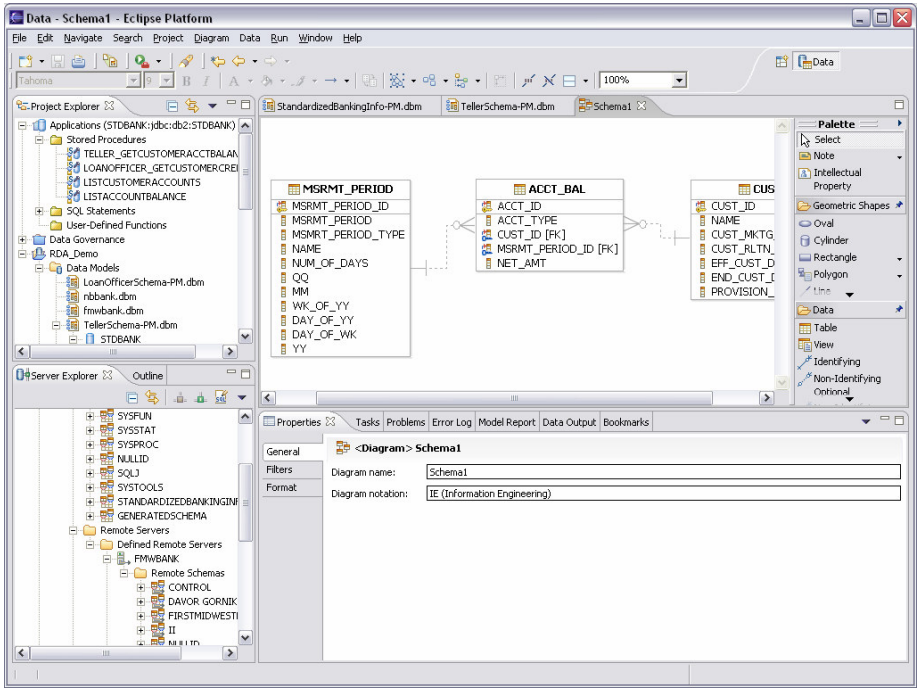
Mapowanie danych relacyjnych do xml



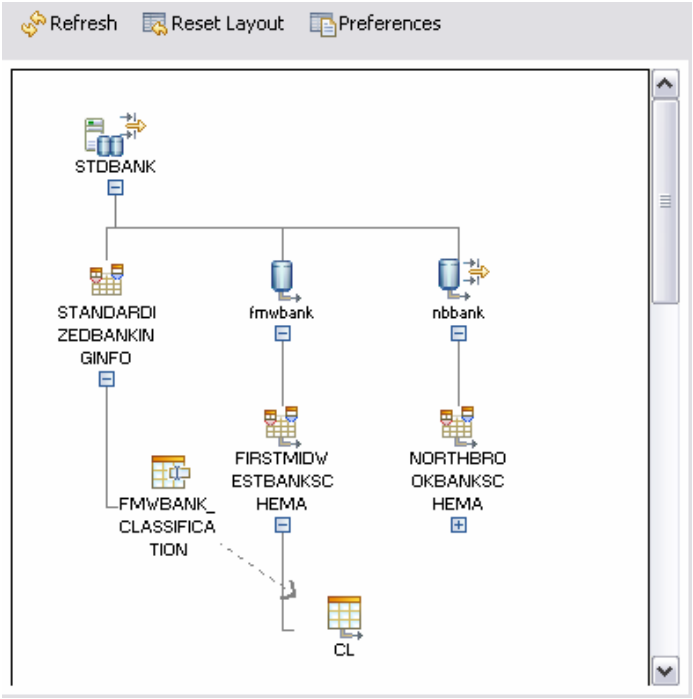
Rational Data Architect – wspierane bazy danych

- IBM DB2 for distributed platform v8.1, v8.2, v9.1
- IBM DB2 for iSeries v5r2, v5r3, v5r4
- IBM DB2 for zSeries v7, v8 compatibility, v8 new function mode
- IBM Informix IDS v9.2, v9.3, v9.4, v10.0
- IBM WebSphere Federation Server v8.2, v9.1
- IBM Cloudscape 5.1
- Derby 10.0, 10.1
- Oracle v8, v9, v10
- Sybase ASE v12, v15
- Microsoft SQL Server 2000, 2005
- MySQL 4.0, 4.1
- generic JDBC interface

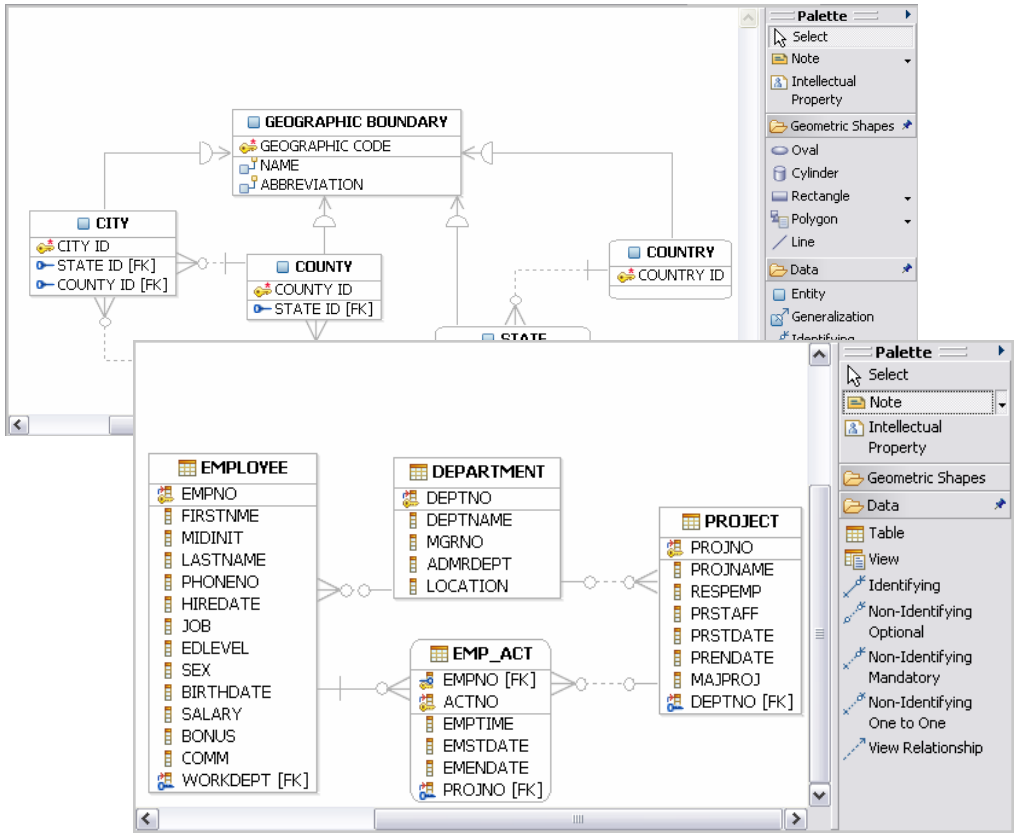
Interface Eclipse



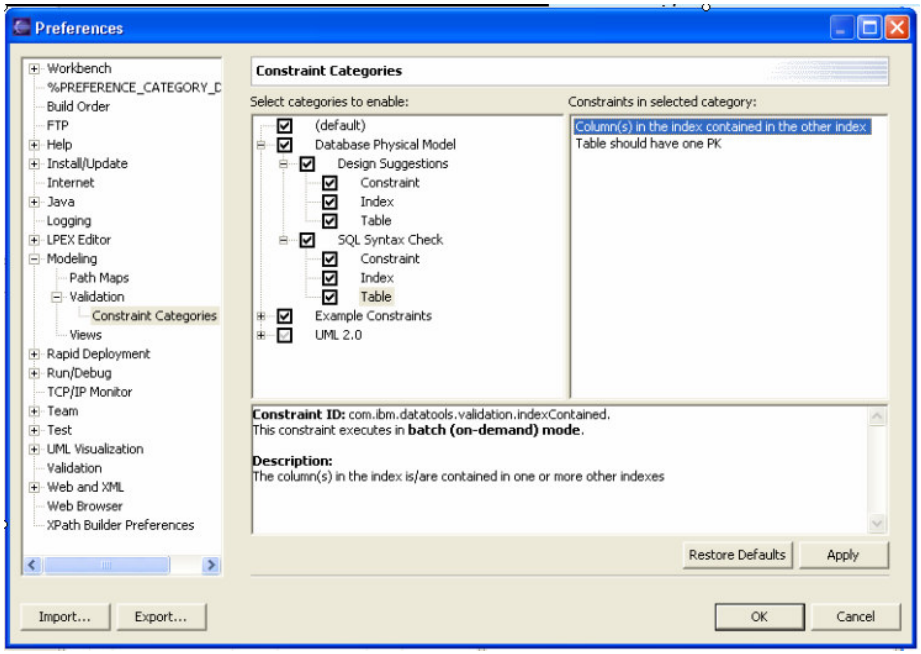
Wizualizacja



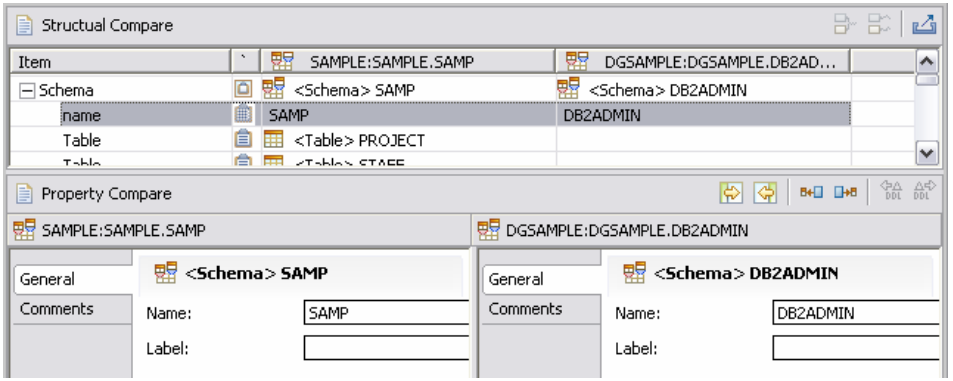
Modelowanie



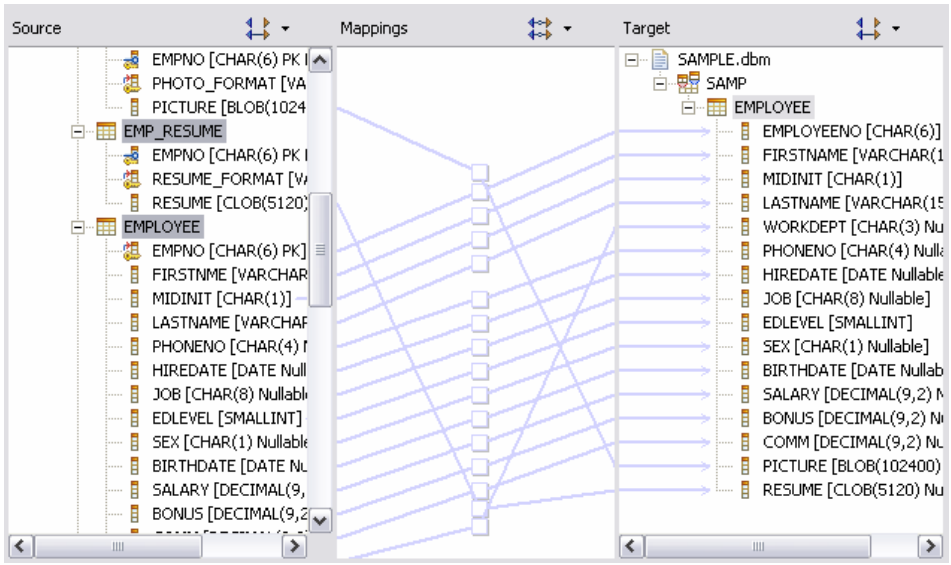
Standaryzacja



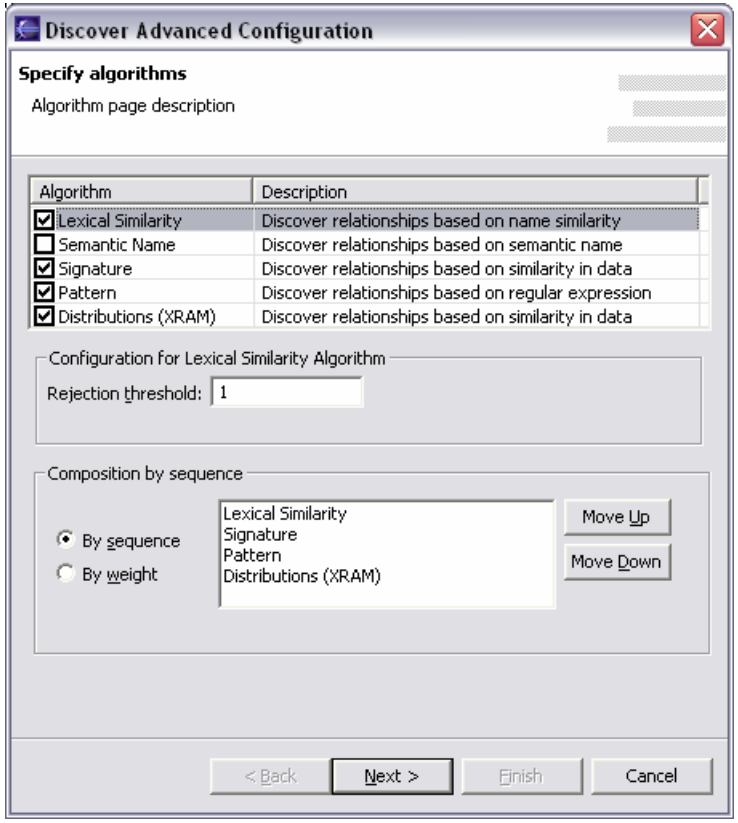
Porównianie i synchronizacja



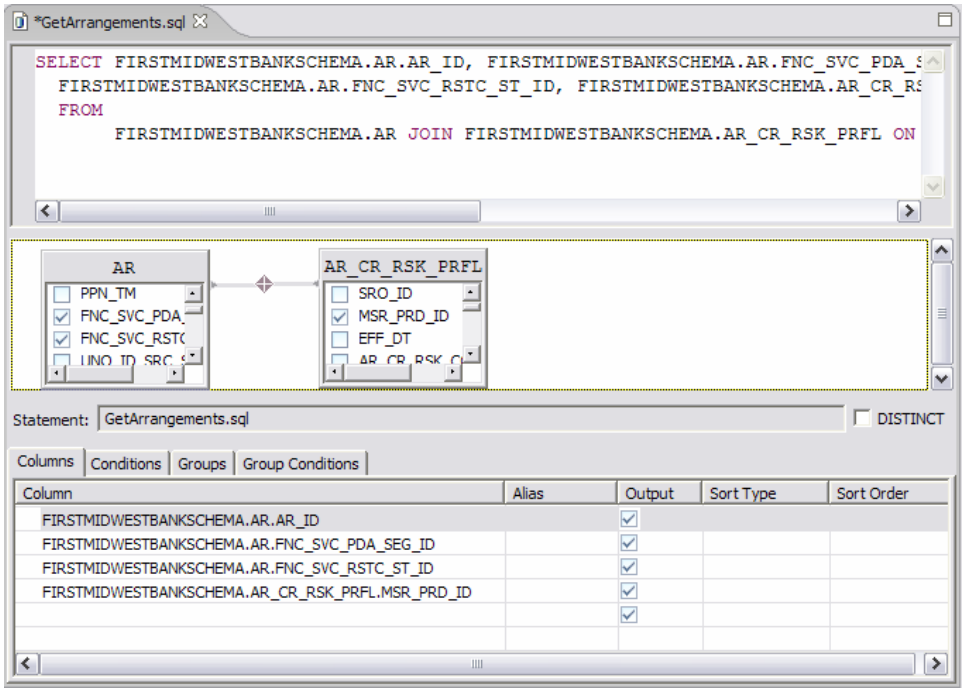
Mapowanie


Source
Mappings
Target
EMPNO [CHAR(6) PK
PHOTO_FORMAT [VA
PICTURE [BLOB(1024
EMP_RESUME
EMPNO [CHAR(6) PK
RESUME_FORMAT [V
RESUME [CLOB(5120)
EMPLOYEE
EMPNO [CHAR(6) PK]
FIRSTNME [VARCHAR
MIDINIT [CHAR(1)]
LASTNAME [VARCHAR
PHONENO [CHAR(4)
HIREDATE [DATE Null
JOB [CHAR(8) Nullabl
EDLEVEL [SMALLINT]
SEX [CHAR(1) Nullable
BIRTHDATE [DATE Nu
SALARY [DECIMAL(9,
BONUS [DECIMAL(9,2
SAMPLE.dbm
SAMP
EMPLOYEE
EMPLOYEENO [CHAR(6)]
FIRSTNAME [VARCHAR(1
MIDINIT [CHAR(1)]
LASTNAME [VARCHAR(15
WORKDEPT [CHAR(3) Nu
PHONENO [CHAR(4) Null
HIREDATE [DATE Nullable
JOB [CHAR(8) Nullable]
EDLEVEL [SMALLINT]
SEX [CHAR(1) Nullable]
BIRTHDATE [DATE Nullab
SALARY [DECIMAL(9,2)
BONUS [DECIMAL(9,2)
COMM [DECIMAL(9,2) Nu
PICTURE [BLOB(102400)
RESUME [CLOB(5120) Nu

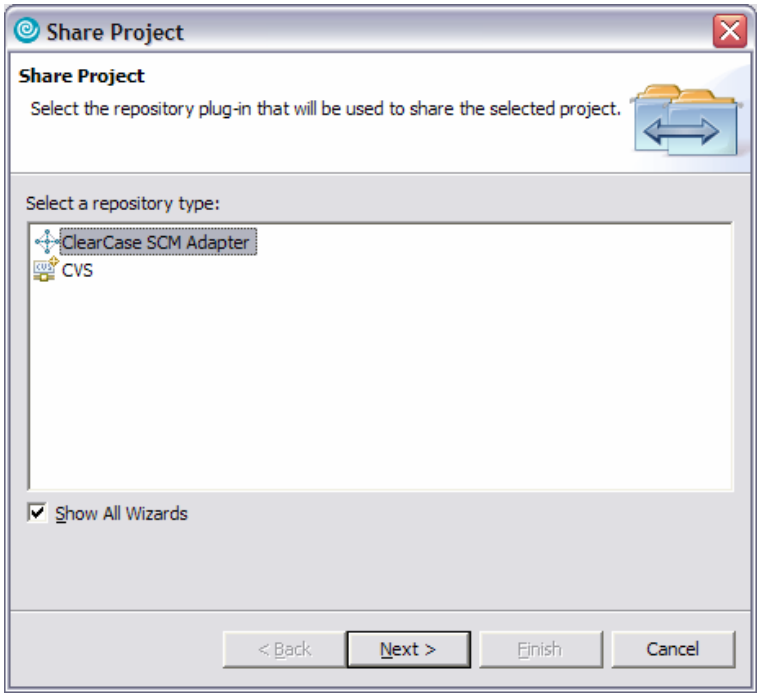
I odkrywanie mapowania



Kodowanie


*GetArrangements.sql
SELECT FIRSTMIDWESTBANKSCHEMA.AR.AR_ID, FIRSTMIDWESTBANKSCHEMA.AR.FNC_SVC_PDA_S
FIRSTMIDWESTBANKSCHEMA.AR.FNC_SVC_RSTC_ST_ID, FIRSTMIDWESTBANKSCHEMA.AR_CR_RS
FROM
FIRSTMIDWESTBANKSCHEMA.AR JOIN FIRSTMIDWESTBANKSCHEMA.AR_CR_RSK_PRFL ON
AR
PPN_TM
FNC_SVC_PDA
FNC_SVC_RSTC
AR_CR_RSK_PRFL
SRO_ID
MSR_PRD_ID
EFF_DT
Statement: GetArrangements.sql
DISTINCT
Columns
Conditions
Groups
Group Conditions
Column
Alias
Output
Sort Type
Sort Order
FIRSTMIDWESTBANKSCHEMA.AR.AR_ID
FIRSTMIDWESTBANKSCHEMA.AR.FNC_SVC_PDA_SEG_ID
FIRSTMIDWESTBANKSCHEMA.AR.FNC_SVC_RSTC_ST_ID
FIRSTMIDWESTBANKSCHEMA.AR_CR_RSK_PRFL.MSR_PRD_ID

Wykorzystanie EMF – Eclipse Modeling Framework



Prezentacja narzędzia

- Dziękuję!