Informatica PC Training Day-2

Agenda:

- ➤ Basic Components for Mapping
- > Building a simple ETL process
- > Demo

Build a Sample ETL Process

Debadatta Mohanty



Housekeeping Tips

- Please mute your phone during the presentation.
- If there is too much noise, participants will be put on automute.
- We shall open up the table for Q&A at the end of the session.
- Please feel free to post your questions over Chat as well.
- This session will be recorded and an email will be sent with links to the recordings after the session.
- At the end of the course, TEX will request you to provide feedback on the training.



Design Process



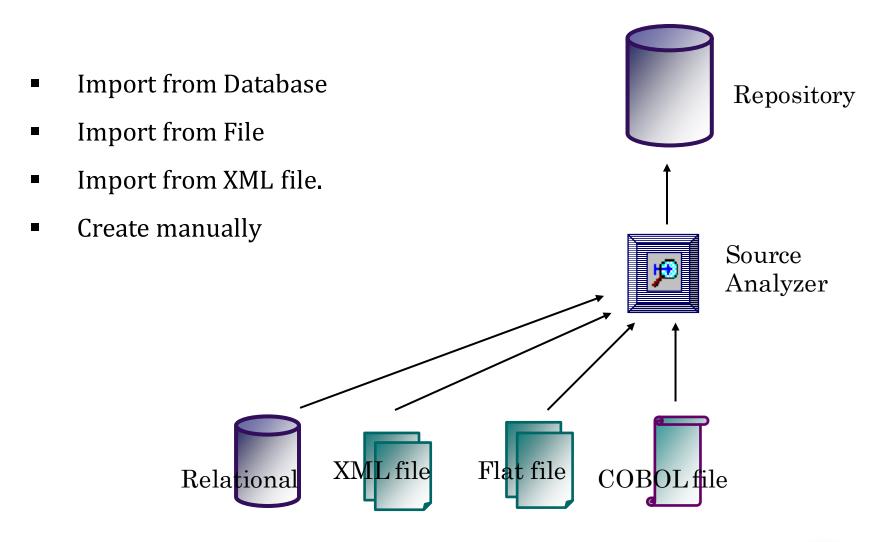
Design Process

- Create Source definition(s)
- Create Target definition(s)
- Create a Mapping
- Create a Session Task

- Create a Workflow from Task components
- Run the Workflow and verify the results

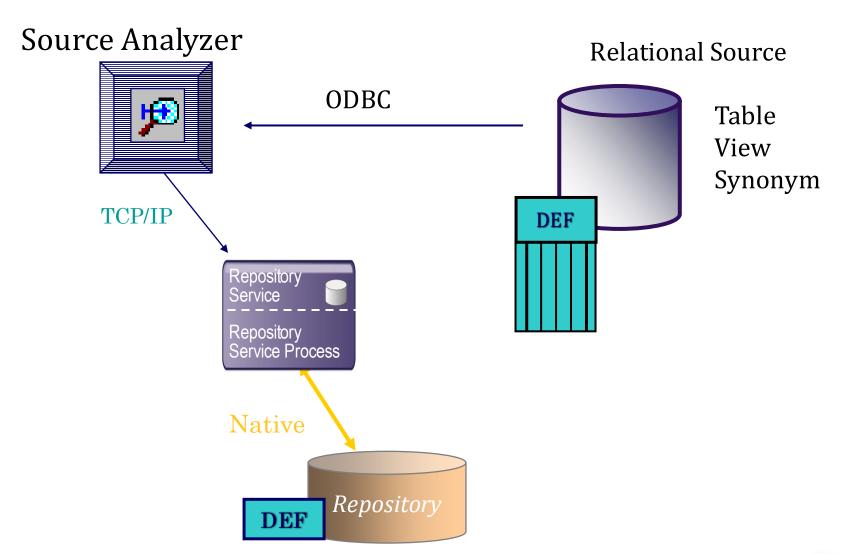


Methods of Analyzing Sources





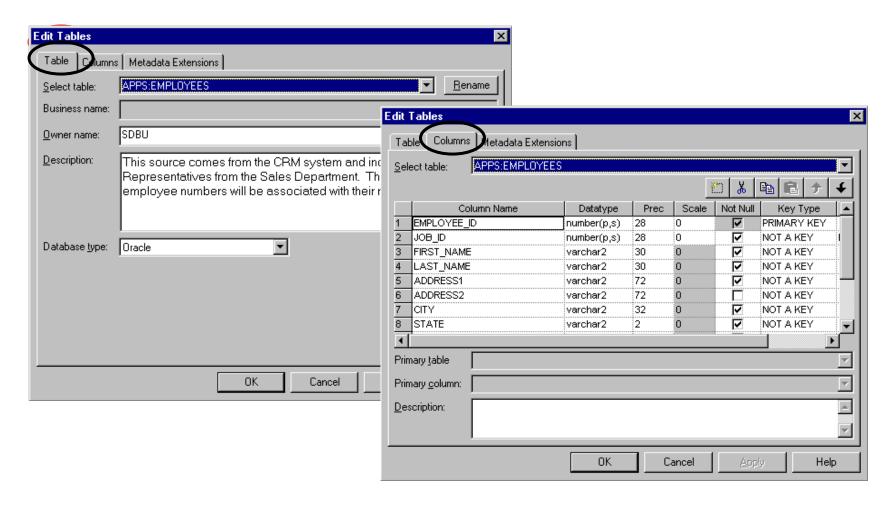
Analyzing Relational Sources





Analyzing Relational Sources

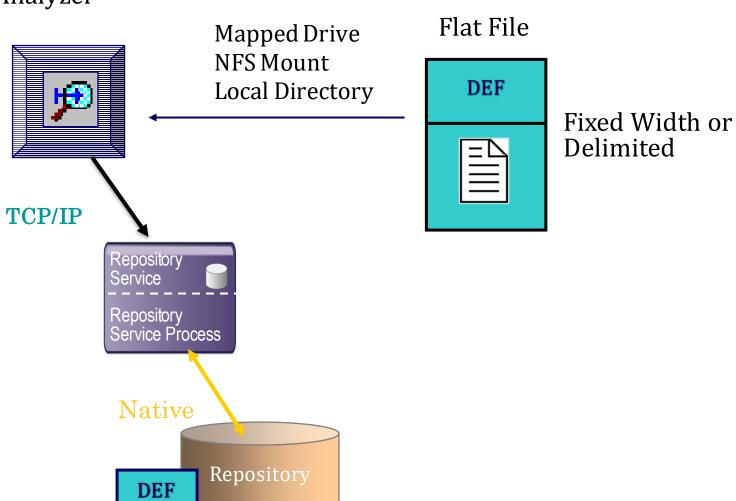
Editing Source Definition Properties





Analyzing Flat File Sources

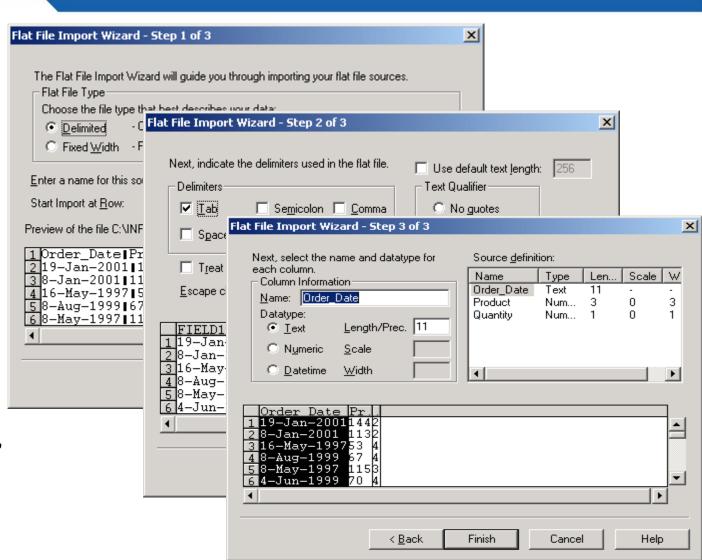
Source Analyzer





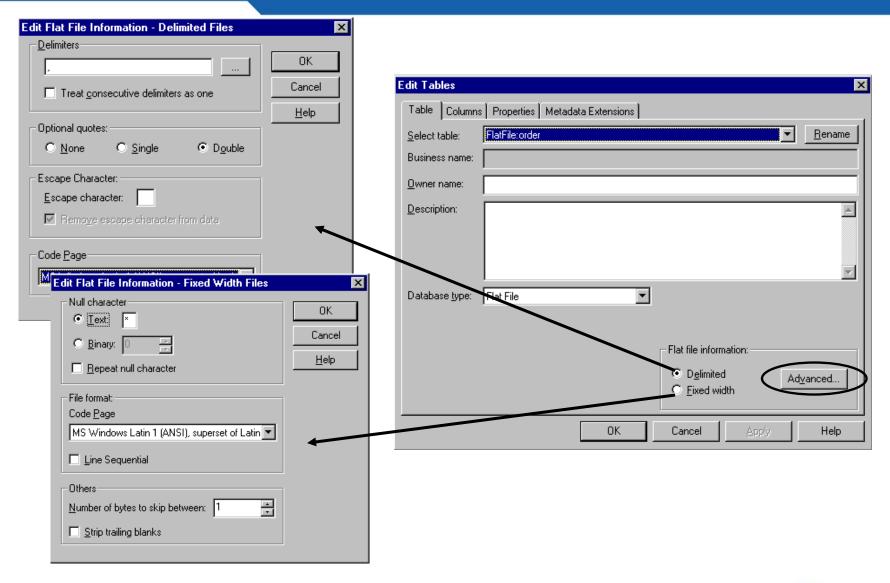
Flat File Wizard

- Three-step wizard
- Columns can be renamed within wizard
- Text, Numeric and Datetime datatypes are supported
- Wizard 'guesses' datatype





Flat File Source Properties



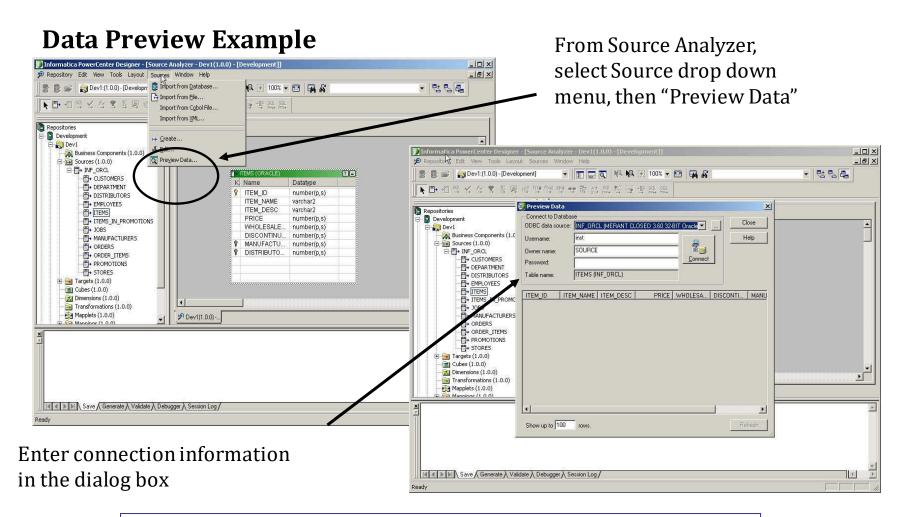


Data Previewer

- Preview data in
 - Relational Sources
 - Flat File Sources
 - Relational Targets
 - Flat File Targets
- Data Preview Option is available in
 - Source Analyzer
 - Target Designer
 - Mapping Designer
 - Mapplet Designer



Data Previewer - Source Analyzer

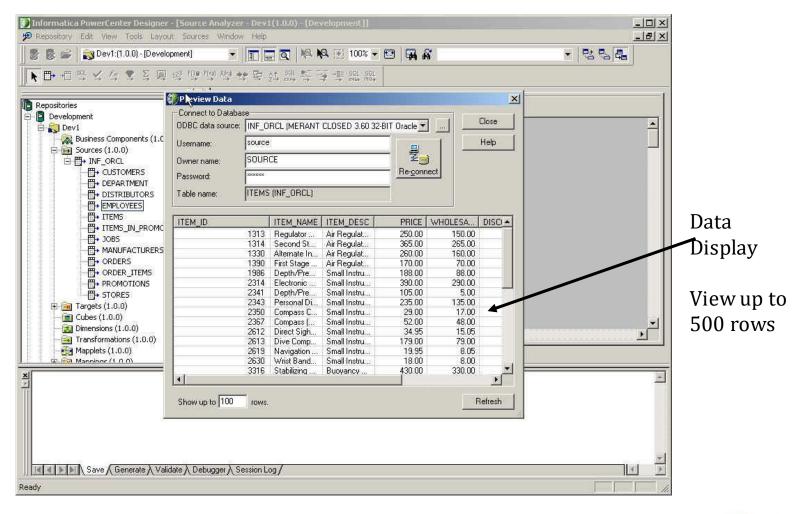


A right mouse click on the object can also be used to preview data



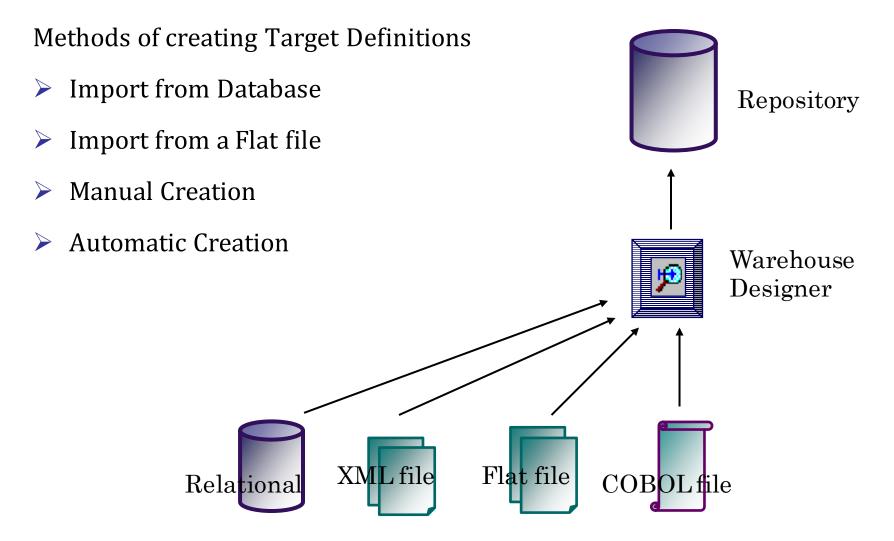
Data Previewer - Source Analyzer

Data Preview Results





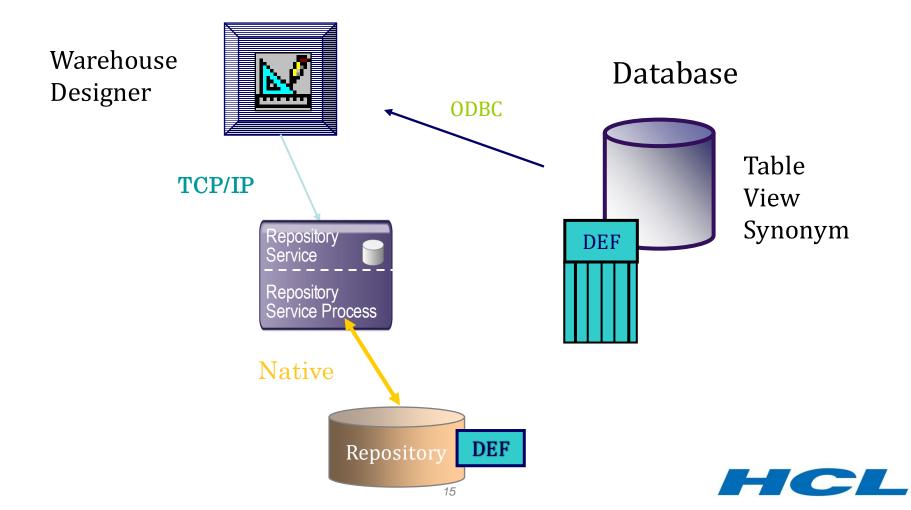
Creating Target Definition





Import Definition from Database

Can "Reverse engineer" existing object definitions from a database system catalog or data dictionary

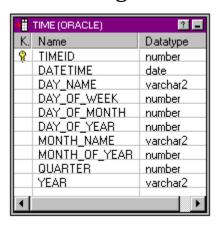


Manual Target Creation

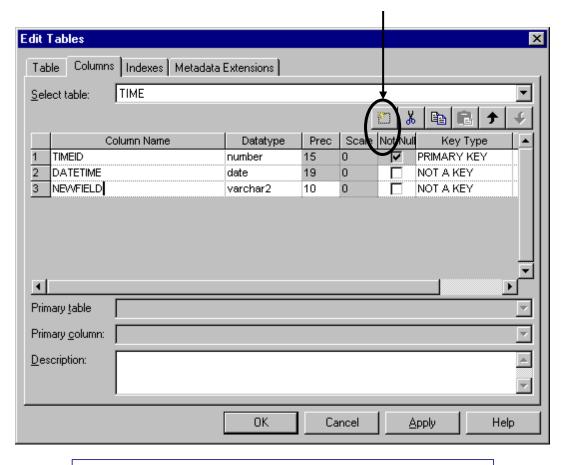
1. Create empty definition



3. Finished target definition



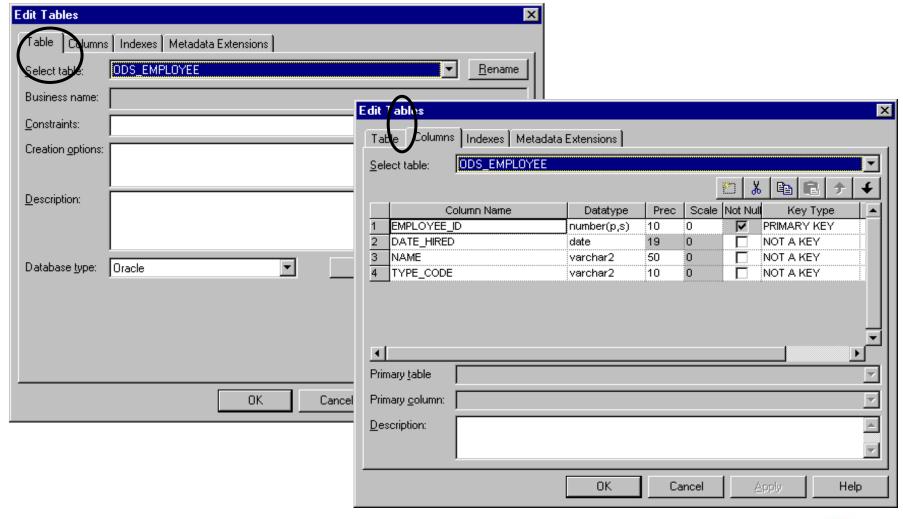
2. Add desired columns



ALT-F can also be used to create a new column

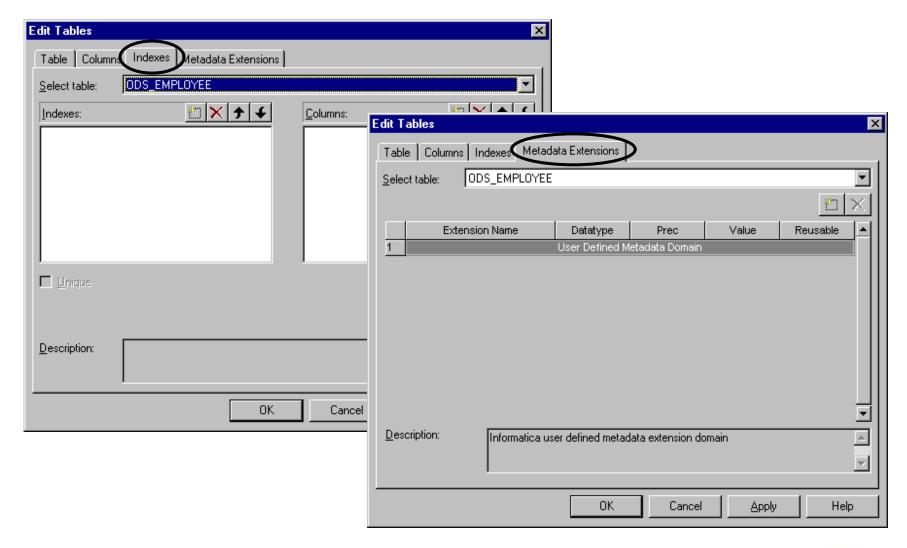


Target Definition Properties



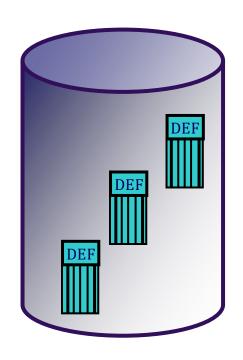


Target Definition Properties

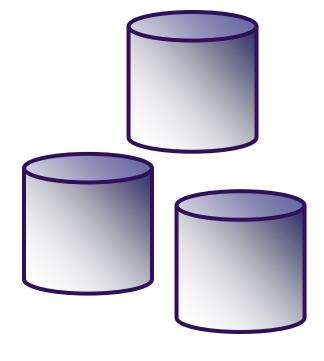




Creating Physical Tables



Execute SQL via Designer



PHYSICAL

Target database tables



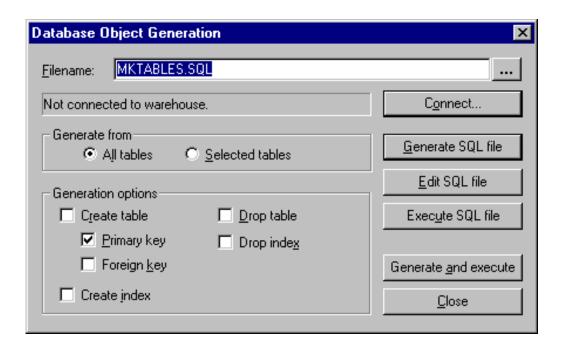
Repository target table definitions



Creating Physical Tables

Create tables that *do not* already exist in target database

- Connect connect to the target database
- Generate SQL file create DDL in a script file
- Edit SQL file modify DDL script as needed
- Execute SQL file create physical tables in target database

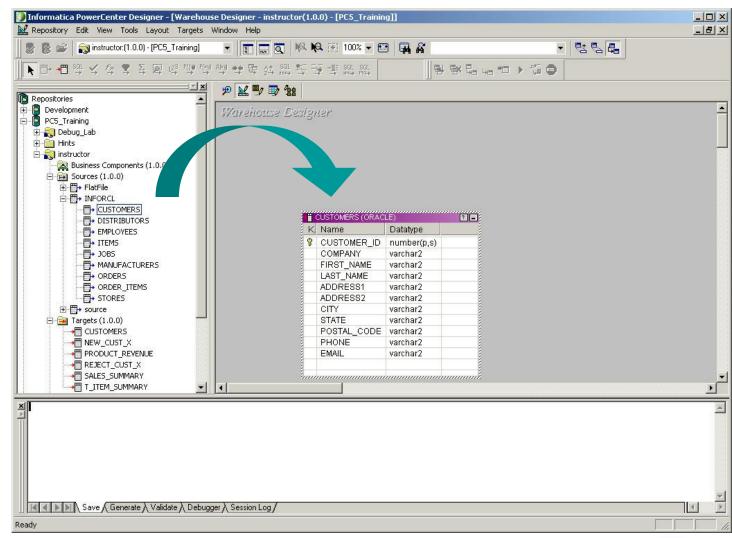


Use Preview Data to verify the results (right mouse click on object)



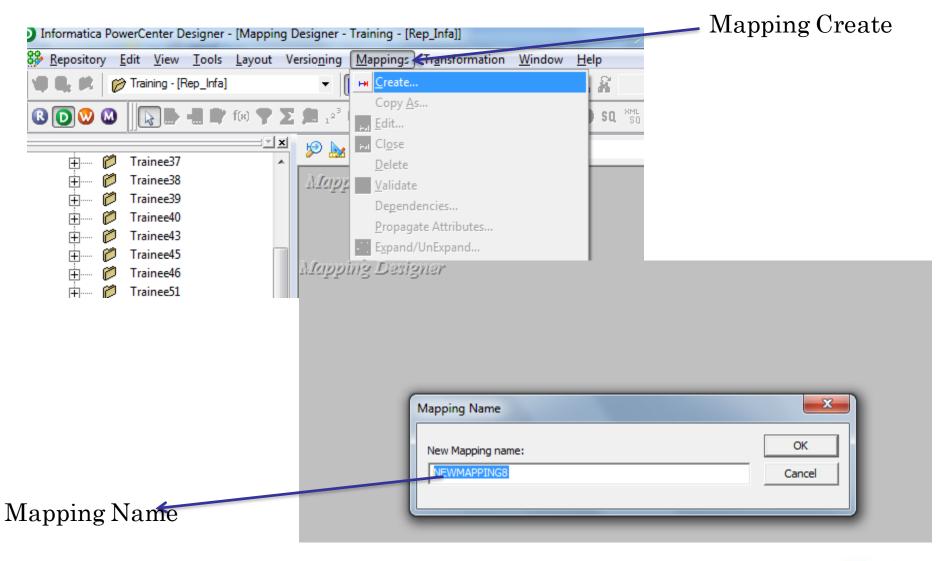
Automatic Target Creation

Drag-and-drop a
Source
Definition
into the
Warehouse
Designer
Workspace



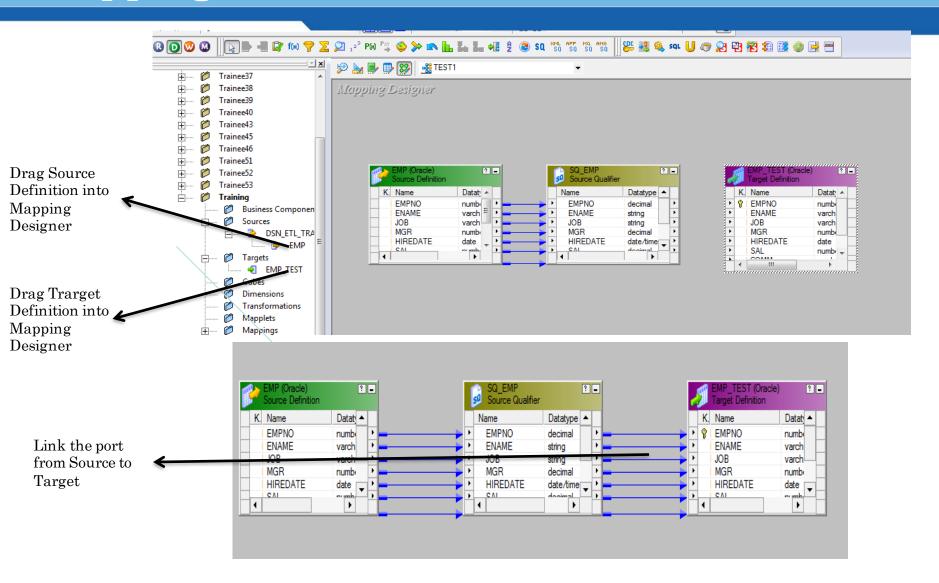


Mapping Creation



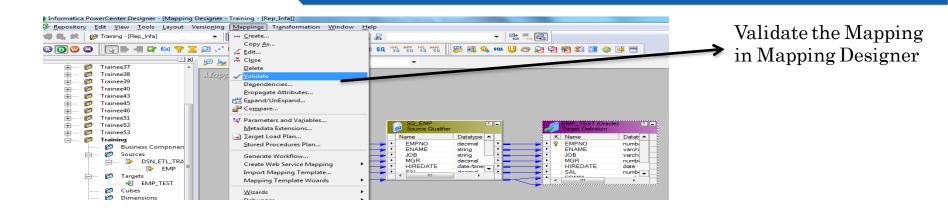


Mapping Creation





Mapping Validation



- The Designer marks a mapping valid for the following reasons:
 - ✓ Connection validation Required ports are connected and that all connections are valid
 - ✓ Expression validation All expressions are valid
 - ✓ Object validation The independent object definition matches the instance in the mapping
- The Designer performs connection validation each time you connect ports in a mapping and each time you validate or save a mapping
- You can validate an expression in a transformation while you are developing a mapping

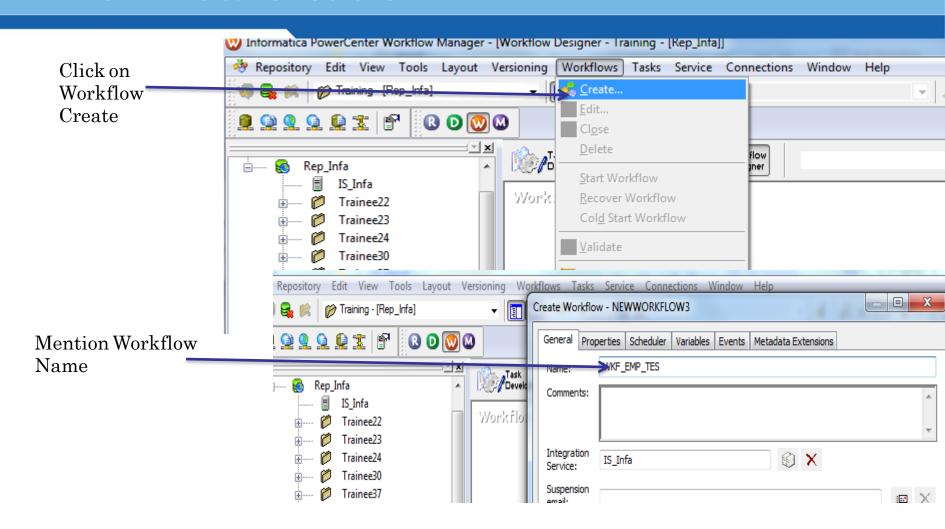


Mapping Invalidation

- ☐ On editing a mapping, the Designer invalidates sessions under the following circumstances:
 - Add or remove sources or targets
 - Remove Mapplets or transformations
 - Replace a source, target, Mapplet, or transformation while importing or copying objects
 - Add or remove Source Qualifiers or COBOL Normalizers, or change the list of associated sources for these transformations
 - Add or remove a Joiner or Update Strategy transformation.
 - Add or remove transformations from a Mapplet in the mapping
 - Change the database type for a source



Workflow Creation





Create Session Task for Mapping

🔃 Informatica PowerCenter Workflow Manager - [Workflow Designer - Training - [Rep_Infa]] Click on Create 🤔 Repository Edit View Tools Layout Versioning Workflows Tasks Service Connections Window Help under Tasks. reate... Training - [Rep_Infa] Edit... **(3 () () ()** 🚇 🚇 🖳 🚇 🏗 l 😭 Open Task Task Developer Open Worklet Rep_Infa IS_Infa Link Task Workflow Desig Trainee22 Link Sequential Trainee23 Link Concurrent Trainee24 Select Session in Pop Up window Select the task type to create: Select the task type to create: Session Session Create Session Create Done Command Enter a new name for this task: Done Decision Cancel S_EMP_TEST Event Wait Cancel Help Help Give Session Name



Demo and Q&A

Overview of

- ➤ Building a sample ETL process
- ➤ Source and Target
- Create Mapping, Workflow
- > Run Workflow

Thank You

