



# Reusable Transformation

# Reusable Transformation

- A Transformation is said to be in reusable mode when multiple instances of the same transformation can be created
- Reusable transformations can be used in multiple mappings
- Creating Reusable transformations:
  - Design it in the Transformation Developer
  - Promote a standard transformation from the Mapping Designer

# Reusable Transformation

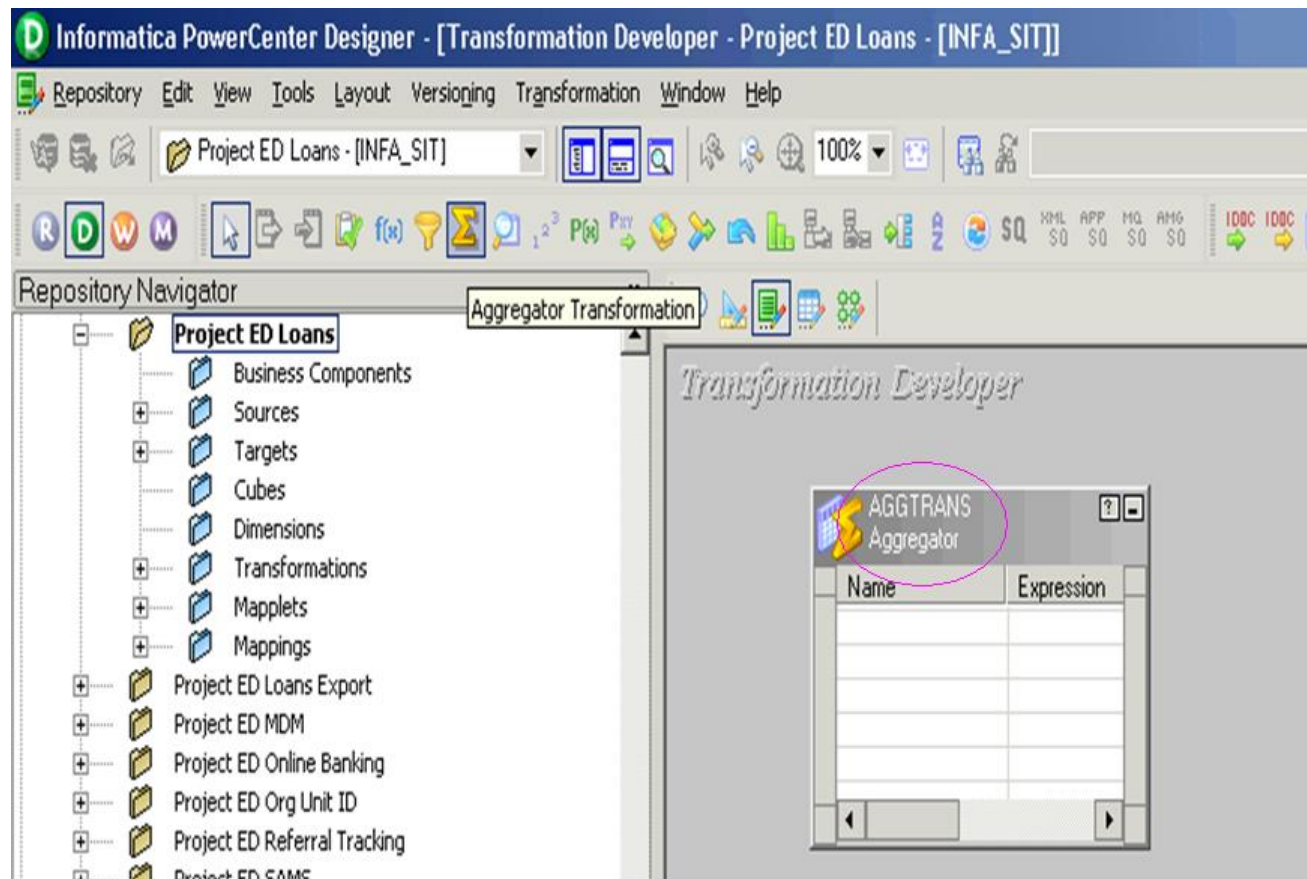
## Mapping contains two types of transformations

- Reusable: can be used with multiple mappings
- Non- Reusable: Exists within a single mapping

When reusable transformation is added to a mapping, the definition of the transformation exists outside the mapping, while a copy (or instance) appears within the mapping

Upon updating the reusable transformation, all instances of the transformation inherit the change

# Designing reusable transformation



# Adding reusable transformation to Mapping

The screenshot shows the SAP HANA Studio Mapping Designer interface. On the left, the 'Project Navigator' pane displays a tree structure with folders for Business Components, Sources, Targets, Cubes, Dimensions, Transformations, Maplets, and Mappings. Under the 'Transformations' folder, two reusable transformations are listed: 'AGG\_Salary\_Avg' and 'EXP\_validation', both marked with a green checkmark. The 'AGG\_Salary\_Avg' transformation is circled in red. In the center, the 'Mapping Designer' workspace shows a mapping named 'm\_Salary\_Avg'. It contains two components: 'SQ\_EMPLOYEE Source Qualifier' and 'AGG\_Salary\_Avg Aggregator'. The 'SQ\_EMPLOYEE' component has a table with columns: Name, Datatype, EMP\_ID (decimal), EMP\_NAME (string), DEPT\_ID (decimal), and SALARY (decimal). The 'AGG\_Salary\_Avg' component has a table with columns: Name, Expression, DEPT\_ID (DEPT\_ID), SALARY, and AVG\_SALARY (AVG(SALARY)).

Project Navigator

- Developer Nilesh Rameshrai
- Business Components
- Sources
- Targets
- Cubes
- Dimensions
- Transformations
  - AGG\_Salary\_Avg
  - EXP\_validation
- Maplets
- Mappings
  - m\_binary\_test
  - m\_NORM\_TEST
  - m\_Salary\_Avg

Mapping Designer

m\_Salary\_Avg

SQ\_EMPLOYEE Source Qualifier

Name	Datatype
EMP_ID	decimal
EMP_NAME	string
DEPT_ID	decimal
SALARY	decimal

AGG\_Salary\_Avg Aggregator

Name	Expression
DEPT_ID	DEPT_ID
SALARY	
AVG_SALARY	AVG(SALARY)



Thank You