

Module 8 Developing Business Data Models

Lesson 4: Design Transformations II

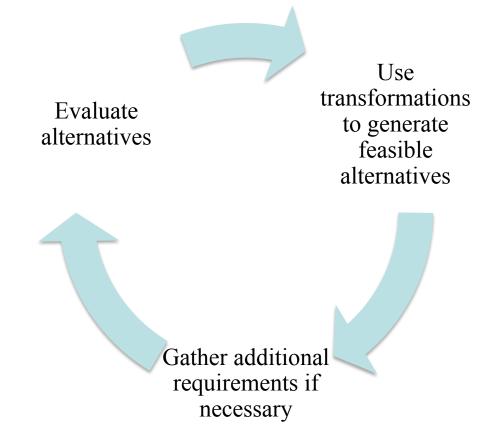


Lesson Objectives

- Understand the importance of generating and evaluating alternative designs
- Explain a situation for using each transformation
- Apply each transformation



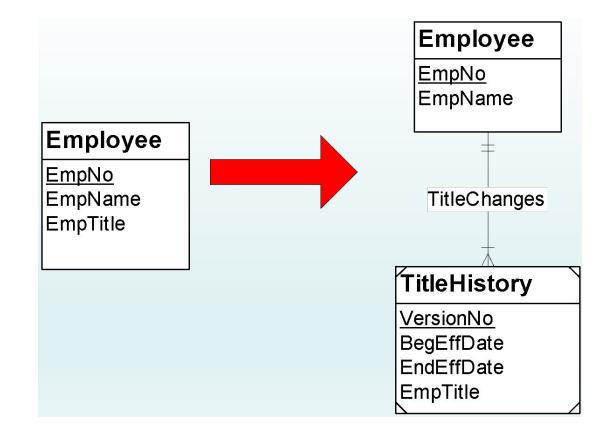
Diagram Refinements







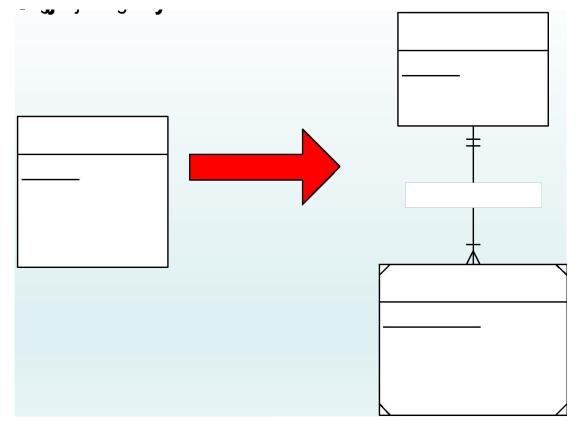
Attribute History Transformation I







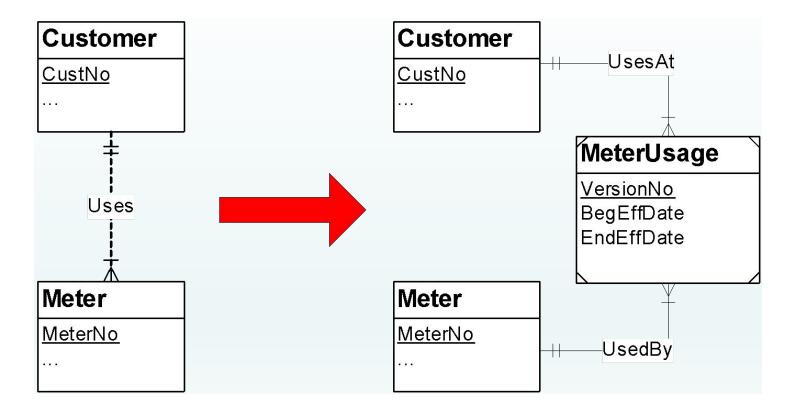
Attribute History II







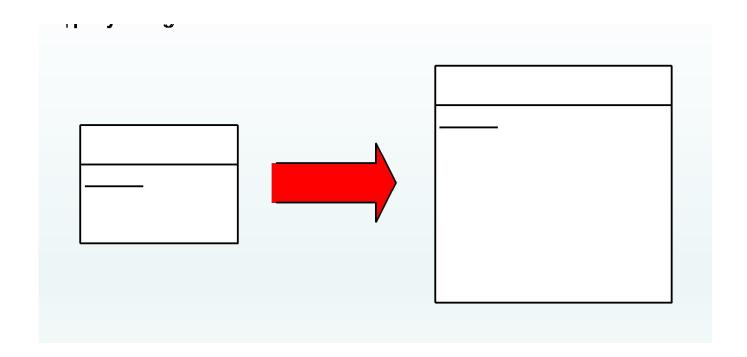
1-M Relationship History







Limited Attribute History







Reverse Transformations

- Not as common as main transformations
- Typically used for simplification
- Reverse transformations
 - Contract entity type
 - Combine attributes
 - Contract entity type structure
 - Strong entity type to weak entity type
 - Remove history



Summary

- History expansion for attributes
- History expansion for relationships
- Transformation reversing
- Importance in data warehouse design



