Abstract

Extraction Transformation Load plays an important phase in development of data warehouse due its complexity of selecting data from different location and having different structures. The recent industry of data warehouse is driven by Privacy Preserving Data Mining which ensures privacy of sensitive information during Mining and is a requirement of most Data Bases. Current approaches to modelling extraction transformation load do not include privacy representation in Conceptual Modelling. This paper proposes object-oriented approach to model Extraction Transformation Load embedding privacy preservation. The major components of extraction include Data Source, Source Identifier, Retrieval, Join, Privacy Preserving Area and Data Staging Area. All the above mentioned components have been modelled using Unified Modelling Language.
Modeling Extraction Transformation Load Embedding Privacy Preservation using UML

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Index Terms

Computer Science
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Keywords
Privacy Preserving Data Mining  ETL  Data Stage Area  Privacy Preserving Area
Data Warehouse