Designing Graph Database Models from Existing Relational Databases

Abstract

In this paper, a method for transforming a relational database to a graph database model is described. In this approach, the dependency graphs for the entities in the system are transformed into star graphs. This star graph model is transformed into a hyper graph model for the relational database, which, in turn, can be used to develop the domain relationship model that can be converted in to a graph database model.

References

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**Index Terms**

Computer Science  
Databases

**Keywords**

Tuple Dependencies (TuD)  
Domain Dependencies (DoD)