Abstract

The design process is the most considered task of a data warehouse designer, this because of its performance criticality while going to production.

Even if technology has developed in term of memory volume and speed, storage… the fact to minimize the execution time and the storage space still being a preoccupation for data warehousing specialists.

This papers shows that using bitmap index and partitioned fact tables in data warehouse based on a star schema is more advantageous based on compression.

References

1. Emany Sidi, Mohamed El Merouani and El Amin A. Abdelouarit. Article: Star Schema
The Impact of Partitioned Fact Tables and Bitmap Index on Data Warehouse Performance


Index Terms

Computer Science

Information Sciences

Keywords

Data Warehouse, DBMS, Indexes, Business Intelligence