Abstract

Designing a data warehouse is the most important task realized by the designer; going to production is considered a remarkable phase to test the data warehouse performance based on its design.

It is known that hardware has developed in terms of memory volume and speed, storage... but to minimize the execution time and the storage space still being the main objective for data warehousing specialists.

This paper shows the advantage of using bitmap index and partitioned fact tables in big data warehouses volumes based on a snowflake schema based on query execution time.

References

**Index Terms**

Computer Science  
Information Systems

**Keywords**

Data Warehouse, DBMS, Indexes, Business Intelligence