



Data warehousing concepts

By

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What is Data warehouse?

1. It is a database that is designed for querying and analysis rather than for transaction processing.
2. It separates analysis workload from transaction system.
3. This helps in:
 - i. Maintaining historical records
 - ii. Analyzing the data to gain a better understanding of the business and to improve the business.

What is Data warehouse?

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4. Data warehouse is a **subject-oriented, integrated, time varying, non-volatile** collection of data in support of the management's decision-making process.
- i. Subject Oriented: This is used to analyze particular subject area.
 - ii. Integrated: This shows that integrates data from different sources.
 - iii. Time variant: Historical data is usually maintained in a Data warehouse, i.e. retrieval can be for any period. In transactional system only the most recent/current data is maintained. But in the Data warehouse recent/current and the previous/historical data is maintained.
 - iv. Non-Volatile: Once the data is placed in the data warehouse, it cannot be changed, which means we will never be able to change the data.



Thank You !!

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