

- Operational database

The operational Database is the source of information from the data warehouse, It

- data mart

A Data mart is a condensed version Data warehouse and is designed for use by a specific department, unit or set.

- non-volatile data

Non-volatile means the previous data is not erased when new data is added to it.

- Reconciled data layer

Data reconciliation is a term typically used to describe a verification phase during a data migration where the

target data is compared against original source data to ensure that the migration architecture has transformed the data correctly.

- Third party data

Third party data is any information collected by any entity that does not have a direct relationship with the user the data is being collected on.

- OLTP

OLTP is a type of data processing that executes transaction focused tasks. It involves inserting, deleting or updating small quantities of database data.

- EDW -

An enterprise data warehouse is a relational data warehouse containing a company's business data, including information about its customers.

- 1st party data -

First party data is the information that companies can collect from their own sources.

- 2nd party data

Second party data is essentially someone else's first party data.

- dimension

A dimension is a structure that categorizes facts and measures in order to enable users to answer business questions.

- Fact table

A fact table is the central table in a star schema of a data warehouse.

- star schema

The star schema is the simplest style of data mart schema and is the approach most widely used to develop data warehouse and dimensional data mart.

- Schema

A schema is a collection of database objects, including tables, views, indexes, and synonyms.

There is a variety of ways of arranging schema objects in the schema models designed for data warehousing.

- Snowflake schema

Snowflake schema in data warehouse is a logical arrangement of tables in a multidimensional database such that the ER diagram resembles a snowflake shape.

- Galaxy schema

Galaxy schema is a measure of online analytical processing, which is a collection of tables of multiple fact tables showing dimension tables, viewed as a collection of stars.

- Data warehouse

According to Inmon, a data warehouse is a subject oriented, integrated, time variant, and non-volatile collection of data,

- Data warehousing -

is The process of constructing and using a data warehouse.

-> component of DW

- load manager
- warehouse manager
- query manager
- end-user access tools

-> Types of Data warehouse

- 1) EDW - enterprise Data warehouse
- 2) ODS - operational data store
- 3) data mart
- 4) others -

online

offline

Real time

integrated

→ Types of Dimensions -

- Conformed dimensions
- Outriggers "
- Shrunken Rollup "
- dimension - to dimension table joins
- Role - playing "
- Junk "
- degenerate "
- Swappable "
- step "

→ Table space

A table space is a storage structure, it contains tables, indexes, large objects and long data.

- SSIS containers -

SSIS containers are controls that provide structure to SSIS packages.