Before loading data was not so easy. THe source table keeps changing over the time and the DW and ata marts based on this source DB need to be refreshed. The earlier approaches of timestamp columns, triggers or complex join queries increase the complexity.

The Change Data Capture (CDC) in SQL 2008 offers the solution. This is a generic database engine feature. It captures the insert, update and delte activities on the database tables and makes those changes available in the relational format.

Usage:

* Incremental DW loading
* Building the history data
* Synchonizing databases in required application scenarios

Advantages

* Avoids the triggers, time stamp columns and complex join queries
* Better performance
* Asynchonously
* Automatic way of purging the tracking tables
* Gives historical information on the changed table



