

Operational Vs Historical

by Sudheer Sharma - Monday, January 19, 2009

<http://dwhnotes.com/data-warehousing/operational-vs-historical>

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Operational systems are designed to support *Transaction Processing* whereas Data Warehouse systems are designe to support *Online analytical Processing*

Operational Systems

- It supports high volume transaction processing with minmal reporting
- Process oriented. Usually focused on specific business processes or tasks
- Generally concerned with the Current data
- These systems are generally updated regularly
- Optimized to perform fast inserts and updates of small volume of data
- These are application specific, non-integrated systems and contains redundant data.

Historical Systems

- It supports high volume analytical processing and supports report generation
- Subject oriented. Subject areas are usually populated from one or more operational systems
- Generally concerned with the historical data
- It is non-volatile, that means new data may be added regulailly but once data is loaded , the data is changed rarely.
- Optimized to perform fast retrievals of large volume of data
- These are Integrated systems, to avoid data redundancy problems.

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