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Data Warehousing

What is the difference between operational data store and staging area?

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Manoj Pandey, DB & DW/BI Lead at Microsoft, SQLwithManoj.com, Photography

Updated Apr 4

Operation Data Store or ODS means the current data that is required to do quick analysis or near realtime reporting.

On the other side **Staging** is a dump of all data that you gather from multiple and heterogeneous Sources, you cleanse this data, apply multiple business rules, filter it and then push it to your Data Warehouse or ODS.

An **ODS** sits between your Staging/Factory and Data Warehouse. It gets a snapshot of most recent data, like if its a:

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- Bank would store data for 3-6 months to 1 year for your day today transactions. That's why if you require 1-2 years of transaction details it takes bank 1-2 days to provide you that list separately.

If both will not manage an ODS it will become very difficult to provide quick details to their customers, and it will be a very slow process and also an overhead on their servers also.

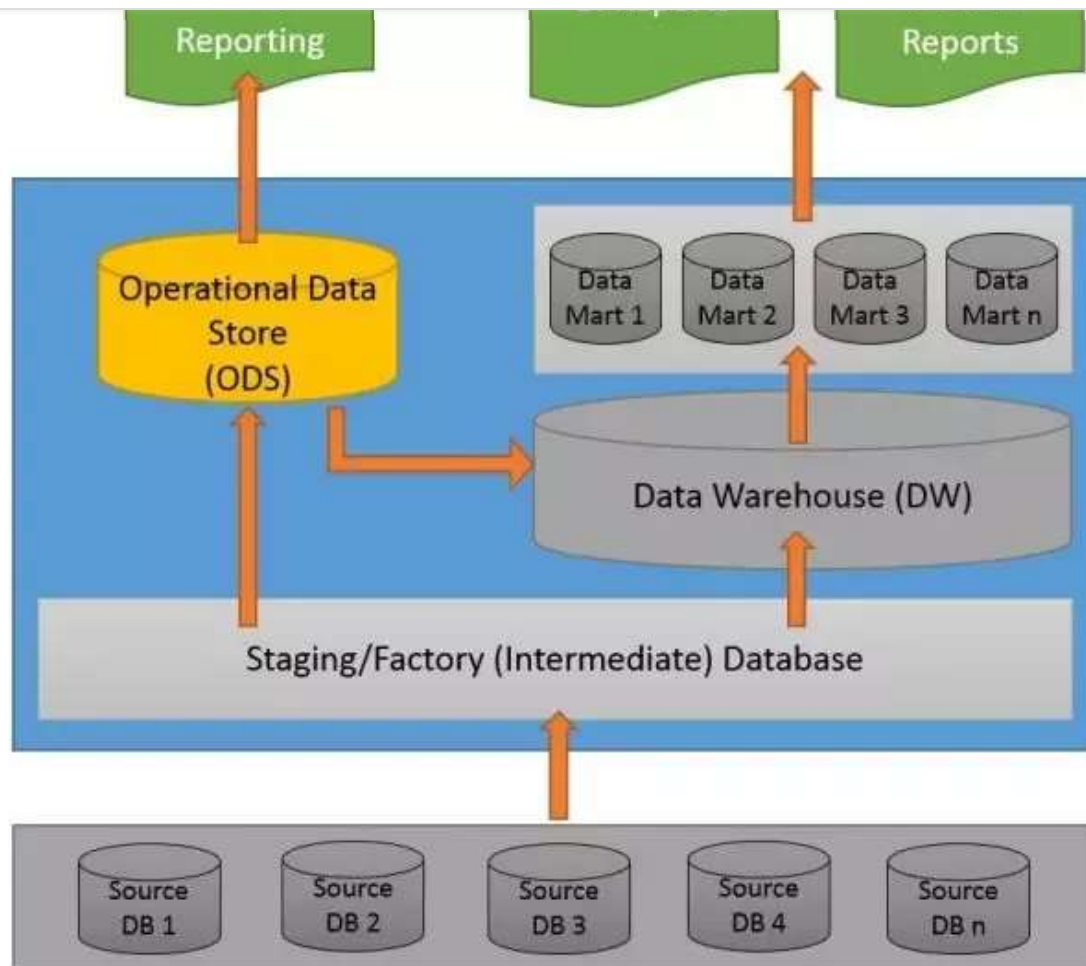
Check more on my blog on [What is ODS \(Operational Data Store\) and how it differs from Data Warehouse \(DW\)](#)

Operational Data Store

15,466 Views

Last Asked May 4, 2017

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~SQLwithManoj

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Kartik Patel, Founder & CEO, ElegantJ BI (www.elegantJBI.com)

Answered Sep 22, 2016

general understanding is that, operational data is the data from the production / transaction system, and staging data is the data derived with or without some pre-processing into the staging database for reporting or any other application purpose.

3.3k Views · Answer requested by Karthik S



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Priya Jain, <https://www.udemy.com/cloud-computing-sales/>

Answered Jun 27, 2016

An operational data store (ODS) would actually have user processing done to it -- usually some reporting although it could be more in-depth than that. An ODS then moves the data on to the data warehouse and, in this respect, it's similar to a staging area. A staging area is simply a landing ground where (depending on your approach) a little or a lot of transformation is done to the data in preparation for loading into the data warehouse.

You can find more at: Cloud Computing Sales on Udemy.

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Swapnil Agnihotri, Over 10 years BI experience in ETL, DW, reporting, and dimensional modeling

Answered Sep 22, 2016

Ods is exposed to presentation layer (business) while staging is temporary storage only for processing (dev/tech).

I hope short is sweet and longer answers can be found all over the internet...

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