

Database Answers



How to use Reference Data Architectures

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1. Introduction

This Tutorial is an extract from our Best Practice in Data Management. We would be very pleased to receive your comments.

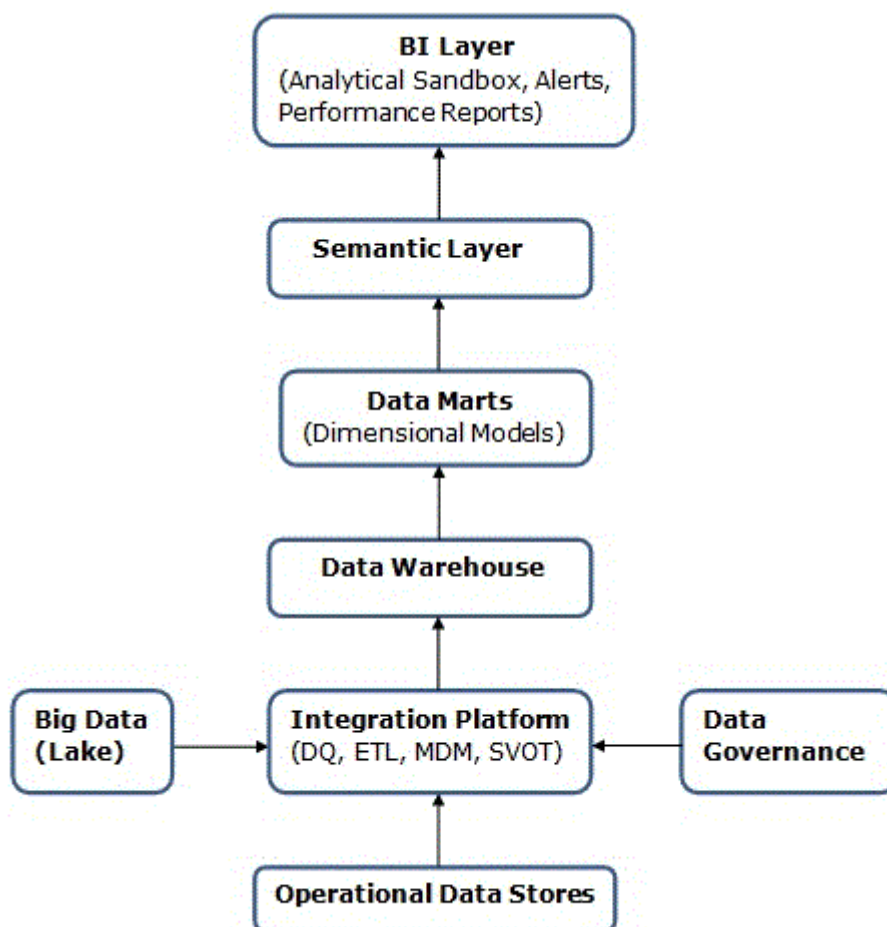
2. Our Generic Architecture

Over Christmas I reviewed my Reference Data Architecture to reflect the requirements of Big Data and complex Analytics.

The new version is on this page of our Web Site :-

- http://www.databasanswers.org/reference_data_architecture.htm

and looks like :-



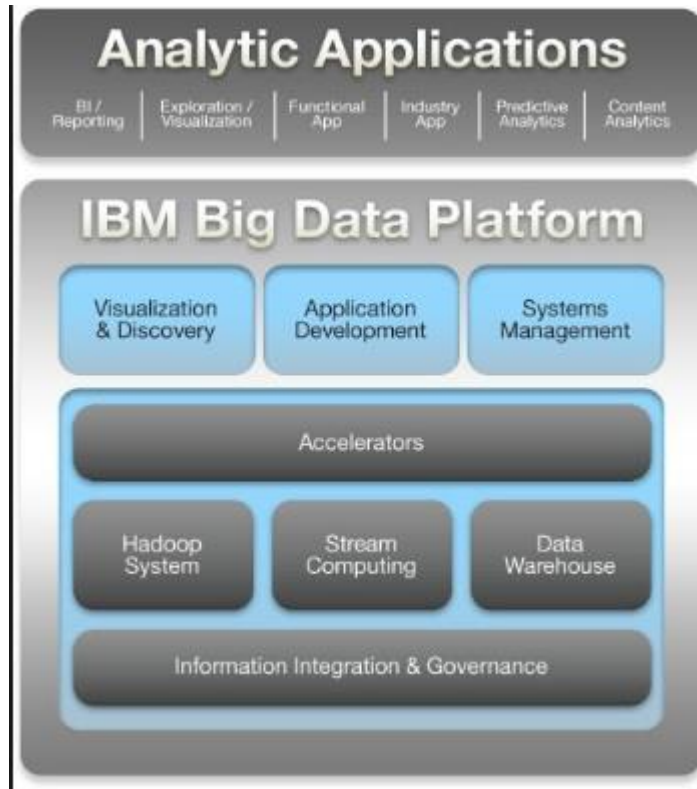
3. The IBM Big Data Architecture

3.1 Simple version

This diagram is from this page on the IBM Web Site :-

- <http://www.ibmbigdatahub.com/blog/big-data-big-discovery>

and looks like :-

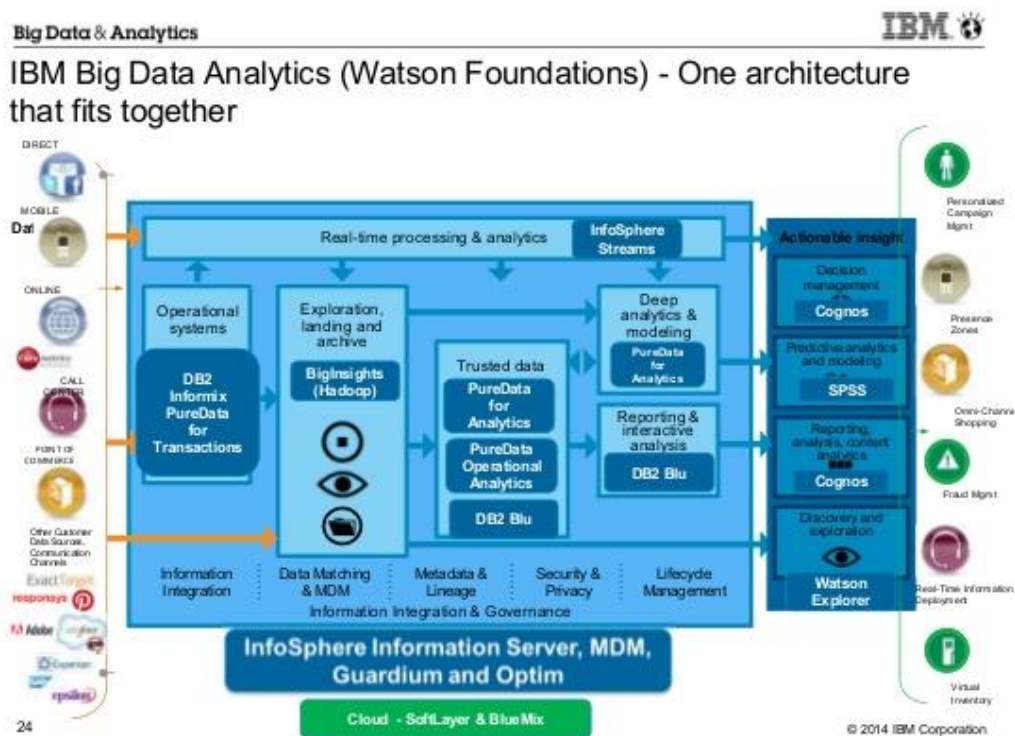


3.2 Complex version

This version is on this page :-`

- <http://www.slideshare.net/findwise/ibm-big-dataanalytics>

and looks like this :-



4. The Oracle Reference Architecture

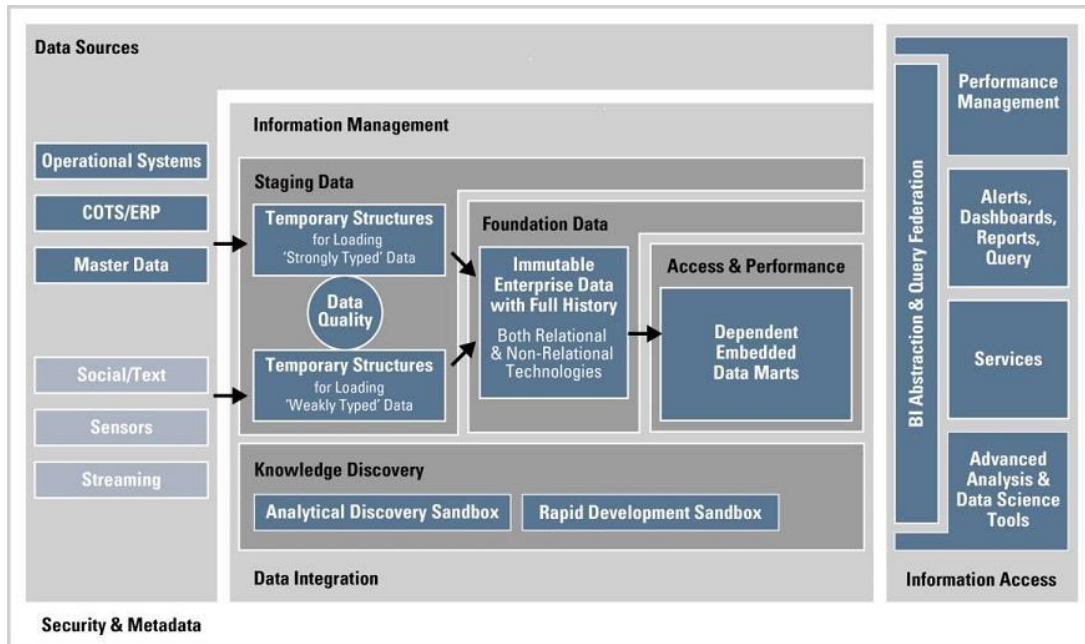
From this page on our Web Site :-

- http://www.databasanswers.org/oracle_reference_data_architecture.htm

From this information on Kent Graziano’s Blog :-

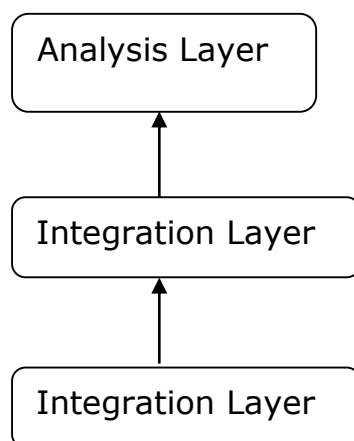
- <https://kentgraziano.com/2013/03/10/data-vault-and-the-oracle-reference-architecture/>

and looks like :-



5. Our Simplified Generic Architecture

When I looked again at my new Reference Data Architecture I realised I could simplify this diagram a little by reducing it to three Layers like this :-



The benefit of this is that it allows us to map the IBM and Oracle Architectures. In this way, we have a common framework to compare all the Architectures.