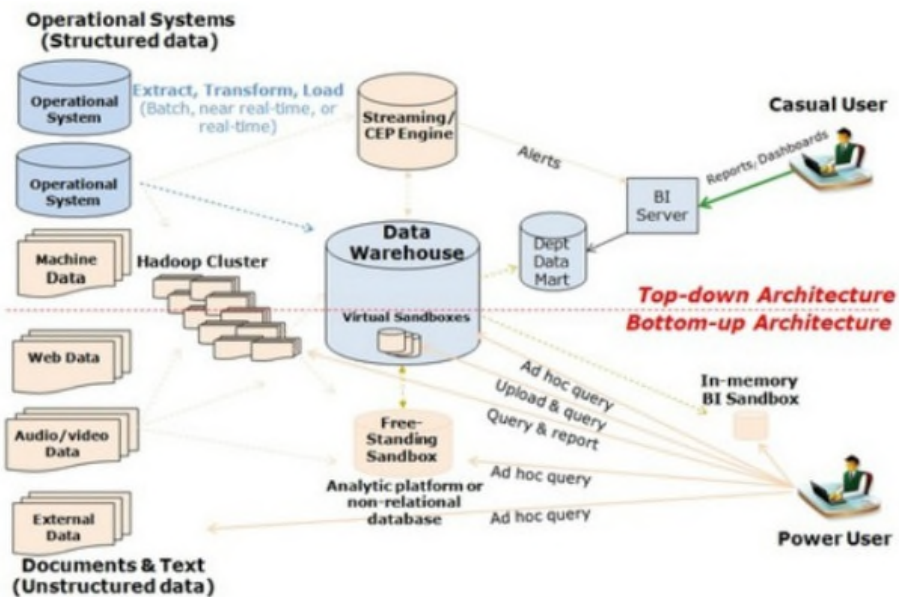


Big Data and Oil & Gas



Example of Big Data Diagram. Courtesy of Rose Technology.

If you are looking at this diagram (Courtesy of Rose Technologies) and understand it well, face it, you are a genius. Most of us need a little help here. So here it goes....

Big Data is a term used when the data is either voluminous, high velocity (bandwidth) or has data diversity like documents, videos, data, etc. Think of a digital control system (DCS) where the system samples the data stream and, based on the point-values, makes process control decisions. That is one element of Big Data, it is real time sampling of data streams. After sampling, the data could be trashed. However, if someone asks what just happened, well now we are talking storage. For large systems, potentially Yottabytes of storage. (Ok. Take a minute to look that one up.) That's a problem with relational databases which are structured and the data is stagnant.

Big Data is fundamentally different. The record is tagged and dumped into a data warehouse "format free". With a user friendly query layer like C3IoT, you use hundreds if not thousands of clustered computers to slice and search the data warehouse. How do you think Google boasts a search results of millions of records in just 0.23 seconds!

Are We Ready for Big Data?

We Are HCI Software.

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