What is special about the OSDU™ Data Platform?

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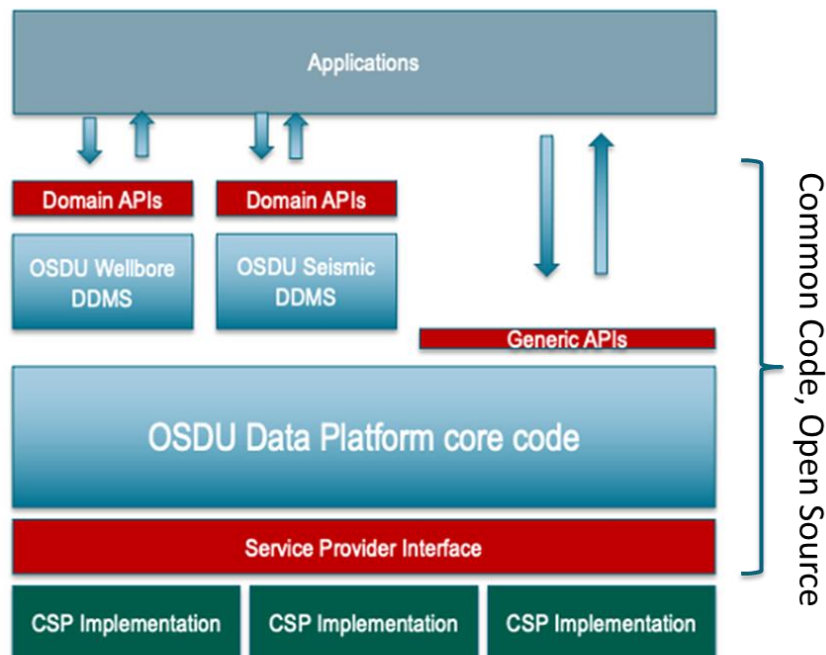*Katalyst Data Management, Houston, USA*

Summary

OSDU (previously known as "Open Subsurface Universe") Forum's offering is a complete Data Platform. It initially catered to wide spectrum of data types that are commonly used in Oil&Gas Industry. Lately, the platform has extended coverage to Mining Industry and to New Energy (such as Solar, Wind, Geothermal among others).

The offering is unique and complete. "Complete" in the sense of having a well designed, well documented Data Model, then implementation using suitable database technologies in multiple cloud and non cloud environments. A rich set of APIs are offered for the consuming applications to leverage. The platform comes ready with various ingestion pipelines, to help ingestion of data. Also offers suites of test data for various data types, and a set of documented test results over multiple releases.

Over and above the basic offering, there are domain specific components that provide special handling capability of data in Well, Seismic, Reservoir, Production and other domains.

The platform is live and active with over 200 member companies. It is completely "open source" and is regularly driven by community development. Initial build (circa year 2008) came from

contributions of two member companies. Since then, there have been additions to the platform with contribution from many other companies.

Active members meet in scheduled sessions (over 20 sessions every week) for design discussions and architecture decisions. In addition, there are active communication channels for participating developers. Builds of Software releases are done more than two times every year, with enhancements and bug fixes.

The talk will provide an overview of the OSDU Data Platform for the audience. The plan is to provide a mix of Business and Technical perspectives. The audience is expected to get a basic understanding of the offering and thus can make informed decision whether to actively use the Data Platform to his/her company's advantage (if that is not already the case).

Acknowledgements

References

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