

IN THE PIPELINE

THE OSDU™ FORUM HAS OVER 100 MEMBERS!

OSDU has seen remarkable growth over the past year since we officially debuted in September 2018. This growth tells us that the industry is hungry for digital and we are happy to be building a foundation for transformation!

OVERVIEW

Welcome to the first edition of *In the Pipeline*, our OSDU newsletter. The goal of this publication is to reach a broad audience with recent highlights and decisions to help keep the community informed.

This special F2F edition is focused on highlights and updates for upcoming OSDU Releases, as well as previews of content you will hear more about during our week long OSDU F2F meetings.

Welcome to the Fall 2019, OSDU F2F!

Driving Value in OSDU Release 1

Release 1 is just around the corner and we want to help you make it work for you. Here are two quick previews of helpful documentation you can expect to receive with Release 1.

DATA INGESTION

With Release 1, you'll receive a complete description of how to load data, including operational documentation, methodology and scripts.

Basic Information: how the demo data set was prepared and loaded, the directory structure used for JSON schemas, demo data files, and services.

Customization: methodology to prepare other data to conform to JSON schemas with the provided data load manifest template.

Extension: what you must consider to expand the data scope by adding new reference values, metadata properties, or new data type (limited to well structure).

Manifest Generation Scripts: to build up load manifests for master data, e.g. Well, or transactional data, e.g. Well Log.

Services: descriptions of the OSDU services executed when an application invokes the OSDU Load APIs, namely loading, ingestion, and indexing.

APPLICATION DEVELOPMENT

Release 1 will include publicly available API documentation (Swagger APIs) and an Application Development Guide to educate all developers on OSDU concepts and approaches to build OSDU applications. The documentation will give an overview of the Portal, Data Types and APIs with examples on creating a simple web-based application utilizing Authentication, Search and Delivery APIs to find wells and trajectories for visualization. We are excited to provide a QuickStart app in Python, Java, Node and Go in the public GitHub repositories! Future R1 documentation will also cover use cases such as building apps for data ingestion and using Jupyter Notebooks for data science workflows.

Looking ahead for Release 2, the OSDU Development Community will build cloud-neutral SDK including libraries, CI/CD templates and tools to improve productivity and simplify the platform. We are also excited to deliver an OSDU AppDev SDK!

Join Dmitry Knizev, EPAM on Monday, October 28th in the plenary session to learn more.



A Future Built on the Foundation of OSDU

OSDU is helping change the way we work and plan, Equinor and Intel are sharing their strategic insights about a future built on OSDU during our F2F.

INTEL

Intel has just joined OSDU and has big plans to help make OSDU a great success. Join our presentation about Intel's initial strategic focus for OSDU at the OSDU F2F on Tuesday October 29th plenary session where we will discuss how we are enabling OSDU users get the maximum value out of their petabytes of seismic and well data on the OSDU platform with Intel's AI acceleration, benchmarking and converged unified architecture for mixed workloads.

Join Manas Pathak, Intel for Tuesday, October 29th's plenary session for more insights.

EQUINOR

Equinor has been involved in OSDU since the beginning. Our OMNIA effort had already started us on our journey toward data liberation and an API/microservices based architecture delivered through a public cloud platform. Our learnings prove that achieving such an architectural transformation is hard, but, if done in a standardized way, will benefit the entire industry and OSDU is how we will achieve this. Together with the industry, vendors and new players, we are planning to make OSDU a fundamental part of the OMNIA journey for the subsurface area in Equinor. This journey starts with testing R1/R2/R3 within OMNIA as proof-of-concepts/pilots and continues to refactor in OSDU permanently. This obviously includes Equinor contributing in making OSDU what we think it should be.

Join Øivind Berggraf, Equinor, for Tuesday, October 29th's plenary session to learn how Equinor has included OSDU in its strategic planning for the future.

Release 3 Accelerates the Momentum of OSDU

OSDU Release 3 will be a great accelerator for OSDU functionality as we finish the Schlumberger code-merge into the OSDU platform, and our Well Delivery teams add to our delivery scope for new data types, and External Data subscription functionality. We are excited to share with you our approach and progress.



OSDU EXTERNAL DATA SUBSCRIPTION EVOLVES HOW WE ACCESS DATA IN THE FUTURE

Join **Doug Darner, Chevron, for the EA discussion on Monday, October 28th** to hear how OSDU External Data Subscription team is aiming to enable in Release 3 subsurface data subscriptions for an OSDU Marketplace, how data suppliers can easily expose data libraries (subscriptions) to operators, and how operators can seamlessly scale digital solutions into a broader data universe.

RELEASE 3 UPDATES AT THE F2F

Over the next few days at the Fall OSDU F2F look for updates about our Release 3 progress. Here are a few highlights to keep an ear out for!

OSDU teams are already working hard toward OSDU Release 3, a key milestone for us. This will be the first release where the Schlumberger DELFI Data Platform has been merged into OSDU. Our aim for Release 3 is to begin operating as an Open Source program allowing us to deliver smaller changes very quickly. MS, AWS, GCP, and IBM are already working to deliver OSDU Common Code to enable an agile and industry focused effort.