

GeoProQuik

Subsurface data migration, management and visualization on ADME OSDU data platform



Oil & Gas companies faces major challenges in subsurface data standardization across various applications, seamless data migration from on-prem to cloud data platform, monitoring and visualization It requires one stop solution to address these challenges

OSDU is an open forum which enables energy companies to collaborate on development of opensource, standard-based, technology-agnostic data platform. GeoProQuik uses Microsoft Azure's ADME implementation of OSDU to perform Data ingestion and Data discovery. Along with this, it does Data massaging, Data QC, Data search, visualization and monitoring in OSDU data platform. It's a one stop solution for complete data migration process.



CHALLENGES

- Data standardization
- Data Security
- Data redundancy
- Difficult to retrieve/manage data across various platform/application
- Higher cost to maintain on-prem data

IDEAL SOLUTION

- Standardization of data
- Improved data quality
- Applying entitlements and Policy enforcement
- Unique / Golden data set (SOR)
- Seamless Data Migration between Petro Technical Apps & Data Platform

DESIRED OUTCOMES

- Data curation and QC during data migration
- Data standardization as per OSDU schemas
- Policy and Legal tag management
- Migration process monitoring
- Data search and visualization



GeoProQuik

GeoProQuik is a lightweight web application built on top of ADME for data managers to perform data migration activity in OSDU data platform

1

Data Curation and QC

GeoProQuik performs Data curation and QC on the raw input data to eliminate any erroneous or duplicate data

2

Workflow monitoring and Data Visualization

GeoProQuik monitors the ingestion workflow on runtime basis. Also, it can visualize the .ingested data on Map.

3

Entitlements and Obligation

Geoproquik have the capability to create legal tags, assign it to data sets and perform policy management.

LTM-GeoProQuik & Microsoft ADME

GeoProQuik helps in creating OSDU compliant data from raw dataset (LAS/Log/csv), performs data QC and data ingestion. It monitors the ingestion process, tracks success or failure of the ingestion process. It is built on top of Microsoft's ADME data platform. ADME data platform is quick to deploy and very easy to integrate with GeoProQuik application

Easy to Integrate ADME with GeoProQuik

Quick deployment of ADME data platform, Integration with OSDU Apis.

Seamless Data Migration to OSDU DP

GeoProQuik helps in running the ingestion workflow using OSDU DP Apis. It can perform data search and workflow monitoring as well

Data massaging and Data QC

GeoProQuik performs data massaging to convert raw data to OSDU schema compliant and does data QC as well

LTM-GeoProQuik

Ask a question via email: shankar.velappan@ltm.com

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