ALB Data Dev for Coatings

This page presents the data development documentation for Coatings data for the sites of ...

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Description

ELN

Data Ingestion

The data ingestion phase for Coatings follows the standard approach describe on ALB Data Dev Architecture - General except for...

Data Sources

ELN

The list of the spreadsheets extracted from JSON files coming from ELN can be found in the Data Mapping of the next section.

Related documents

Related documents

Document Name	Link
Data Model for Coatings	Data Model Link
New Data Model for Coatings	Data Model Link

Instruments

The instrument files are, most of them, **manually** added to a folder in lab servers.

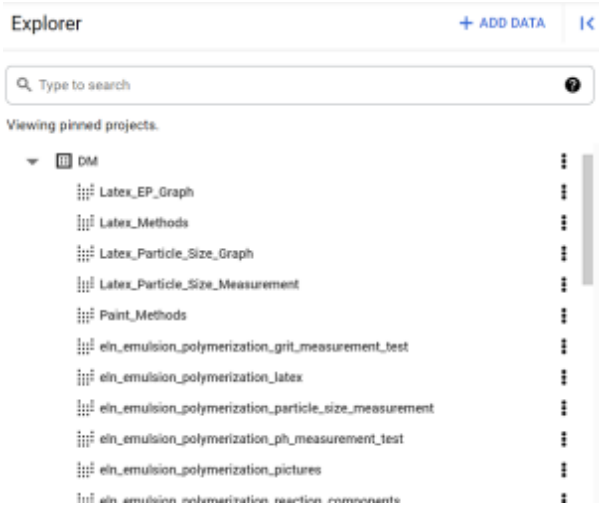
The spreadsheet **Where to find instrument files?** has the full list of instrument folders and location:

\\frph2-labpc-backup\labo\W-513825\DATAS\Experiment Results
\\frph2-labpc-backup\LABO\W-510315\Malvern Instruments\Zetasizer\Measurement Data\Coatings\Export Data - Coatings
\\USBRIFS51.ist-priv.rhodia.com\data$\USBRI30293\Malvern Instruments\Zetasizer\Export Data\Coatings
\\USBRIFS51.ist-priv.rhodia.com\data$\USBRI28321\Attension Instrument\Surface Tension\Export Data\Coatings

Data Mapping

Talend Jobs

The jobs F001, F000 and F100 are responsables for orchestrating the Data Ingestion:



Data Preparation or Parsing

The data preparation phase for Coatings follows the standard approach describe on ALB Data Dev Architecture - General.

Data Mapping

The spreadsheet below presents all data transformation between the raw files (extracted files) and a BigQuery delta table. Some files are unstructured and semi-structured. This steps aims to structure the files in the target table format and checking if the column's type (schema) are conformed expected.

Data Presentation

The data presentation phase for Coatings follows the standard approach describe on ALB Data Dev Architecture - General.

Data Mapping

No data mapping available, as there are no transformations for now. This must be created if there are requirements for that.

Talend Jobs

No need of jobs as there are no steps to load DW/DM. A priori, all data is presented as views.

Data Model

The data model presents the tables/views presented on DW/DM dataset and the relation between them.

{Add model}

Orchestrating Jobs

All the jobs are run in sequence under the follow job and project name on TAC/Talend Cloud:

Project	Job/Flow
RnI_ACN_Coatings	F001_RnI_ACN_Coatings_ELN_EP_OrchFlow

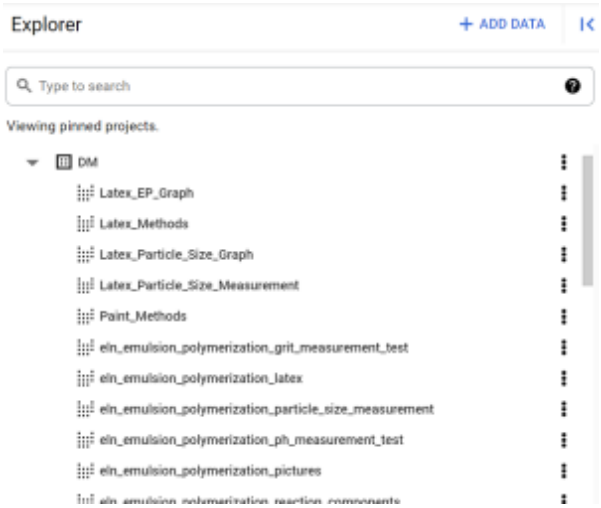
RnI_ACN_Coatings	F000_RnI_ACN_Coatings_ELN_Paint_Formulation_Orch_Flow
RnI_ACN_Coatings	F100_RnI_ACN_Coatings_Instruments_Orch_Flow

For scheduling details check the Operational documentation.

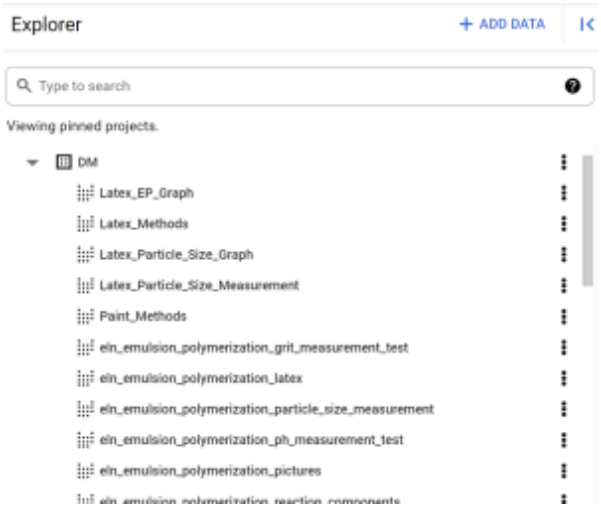
Specific Naming Conventions

Table Names

Tables (Staging)



Tables (DM)



Data Visualization

Tableau workbook documentation : Technical documentation