Denis Project Architecture

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PL Cosmo2SQL CosmoDB ---- > Azure Data Factory ---> Azure SQL Database

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Denis Dim/FactSales Parallel PL Execution to Bronze layer

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Looking up content in Geography table in CosmosDB

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Execute PL Run for Data Ingestion from Multiple sources

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Copy Data Activity with multiple source data to Bronze Layer

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Ingesting SalesFact into Medallian Bronze layer

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Ingesting multiple Dim data to Bronze layer

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PL Bronze to Silver

Category Dataflow Transformations

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SubCategory Dataflow Transformations

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SalesRep Dataflow Transformations

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Product Dataflow Transformations

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Geography Dataflow Transformations

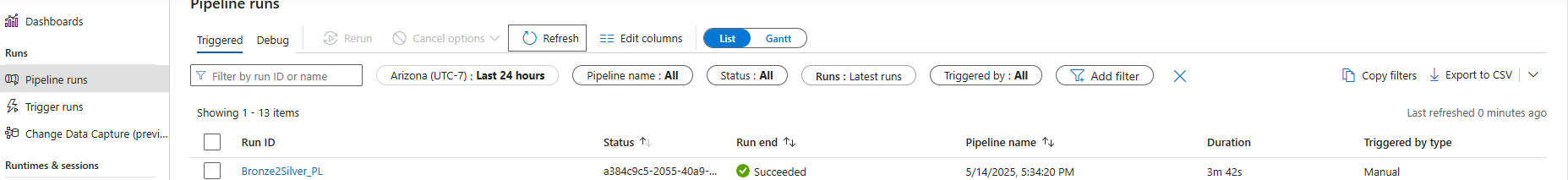
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Grouping all the Dataflow activities into one PL Bronze2Silver\_PL

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Bronze2Silver PL Execution



Silver Layer Data Cleaning with Ingested Files from Bronze Layer

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Bronze2Silver\_PL in progress

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Bronze2Silver\_PL completion

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Renaming all ingested data sources from Bronze layer (ADF Generated file names) to match the sources data

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Bronze2Silver\_PL Execution based on all Dimensions datasets completion

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Bronze2Silver\_PL in progress

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Bronze2Silver\_PL Runs Completion

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SalesFact Data Ingestion into Silver layer

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Running the Parent Denis\_PL, which call all the child Pipelines

Denis\_PL Sequential Execute Pipeline Activity

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Denis\_PL (Main Pipeline #1) Execution Completion For Bronze and Bronze2Silver Pipelines

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Denis Dim/FactSales Complex Transformation using Dataflow Activities

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Silver2Gold\_PL Execution Complete & Main Pipelines🡪 Denis\_PL

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All Denis Individual PL and Main PL Runs

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1st Target Gold Layer containing curated and ready data

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2nd Target Azure SQL\_DB Containing all dimensions and fact table

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Return a report on total Gross profit

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Visualization of Total Revenue by Product and Total Revenue by Location

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Visualization of Total Revenue by Product and Total Revenue by Location & SUM of

Gross Profit, Total Cost and Total Discount

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