



Lake Database Database Template Map Data

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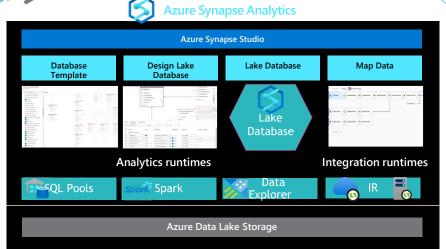




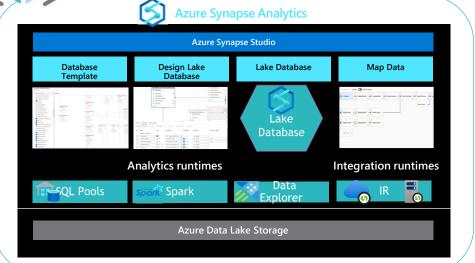




Resource Group Development











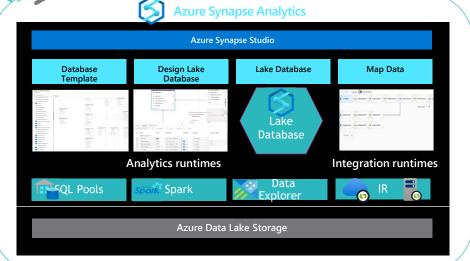














Why

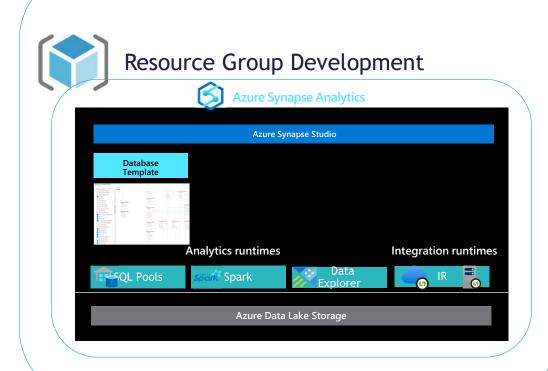
- Accelerate time to insights based on a standardized business area schemas for different industries
- Identify gaps and opportunities in your existing enterprise data model
- Consolidate data silos and query from a single pane of glass
- Create a well-formed data lake ready for the analytics at scale
- Enrich your data with Azure Cognitive Services and Azure Machine Learning
- Develop reports easily using Power BI





Database Templates

☐ Industry specific schema definitions

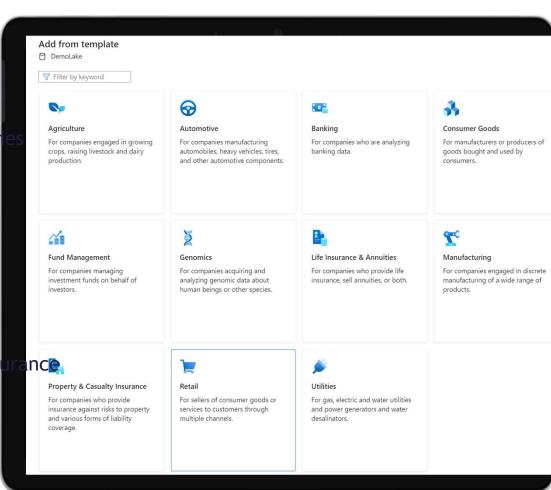




Database Templates

- Industry specific schema definitions
- 15 different Templates available
 - Agriculture
 Life Insurance & Annuit
 - Automotive
 Manufacturing

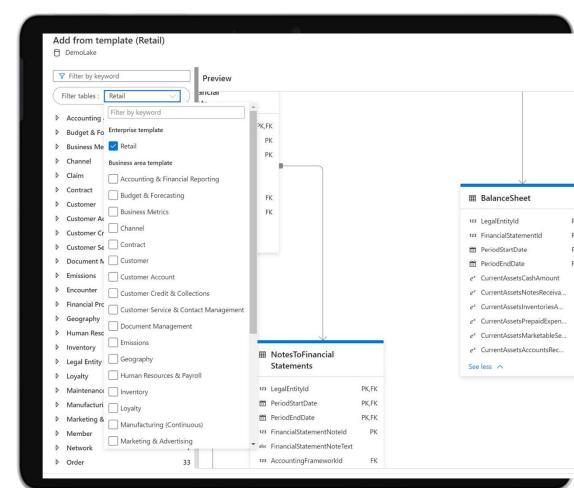
 - Consumer Goods
 Pharmaceuticals
 - Energy & Commodity Trading
 - Freight & Logistics
 Property & Casualty Insurance
 - Fund Management Retail
 - Genomics
 Utilities





Database Templates

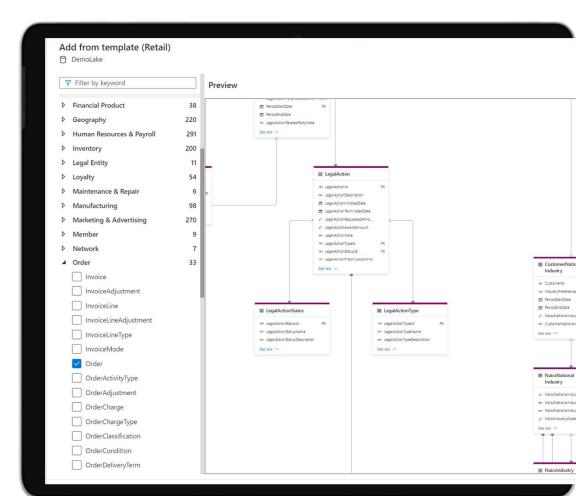
- Industry specific schema definitions
 - Enterprise Templates



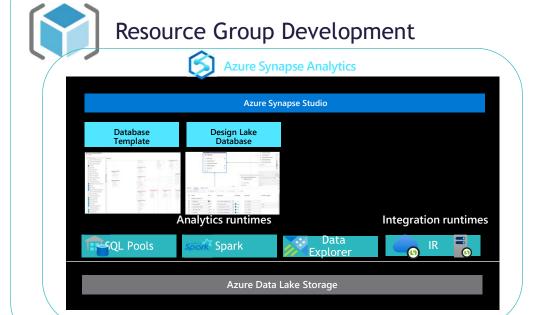


Database Templates

- Industry specific schema definitions
 - Enterprise Templates
 - Business Area Templates

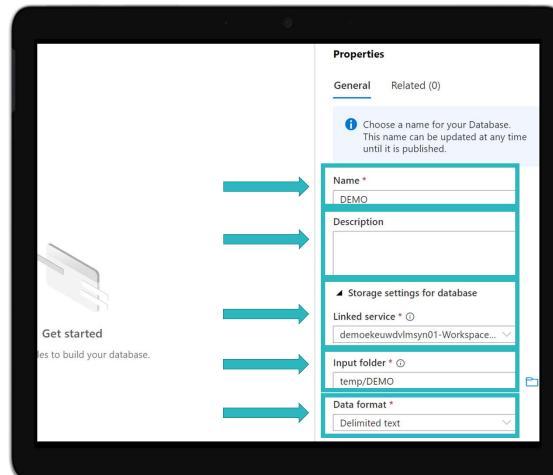


- Create database
 - Synapse Permissions
 - Synapse Administrator
 - Synapse Contributor
 - Synapse Artifact
 - Azure Permissions
 - Storage Blob Data Contributor
- Explore Database
 - Synapse Permissions
 - Synapse User



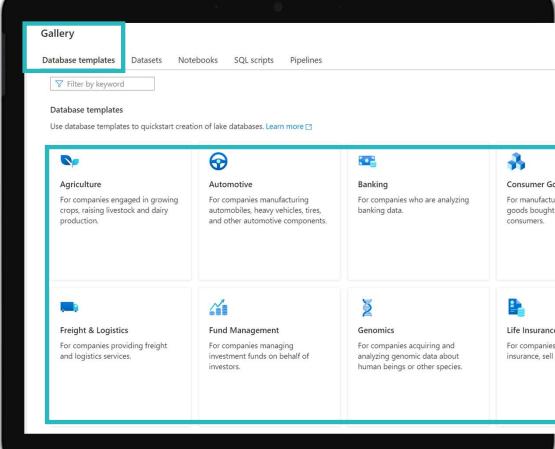


- Create database
 - Empty
 - Name
 - Description
 - Storage Settings
 - Input Folder
 - Data Format
 - Delimited text or Parquet

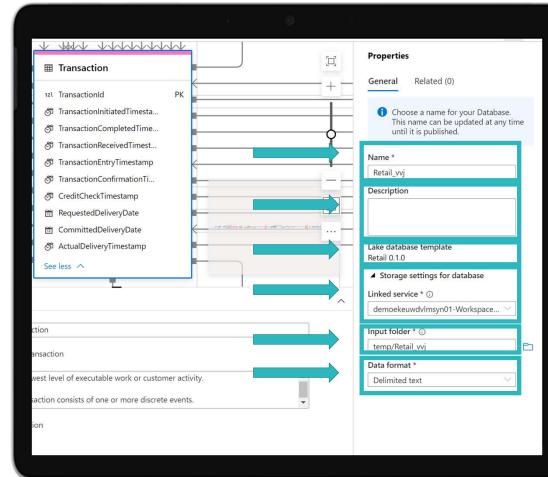


- Create database
 - ☐ From Database Template
 - Gallery
 - Template





- Create database
 - ☐ From Database Template
 - Name
 - Description
 - Template version
 - Storage Settings
 - Input Folder
 - Data Format
 - Delimited text or Parquet



Lake Database

- Database Designer
- Data Storage
 - CSV Format
 - Parquet
- Database Compute
 - Synapse SQL serverless SQL pool
 - Synapse Apache Spark
- Folder Structure
 - Files



ProductCategoryDim

TransactionLineItem

Territory

Transaction

art-00128-7e1d5778-8c97-4ed3-aaf4-f56a48e1f3fc-c000.snappy.parquet

part-00128-a4df07be-51b5-4004-93be-a75f8f6ec44b-c000.snappy.parquet

part-00140-7e1d5778-8c97-4ed3-aaf4-f56a48e1f3fc-c000.snappy.parquet

part-00140-a4df07be-51b5-4004-93be-a75f8f6ec44b-c000.snappy.parquet



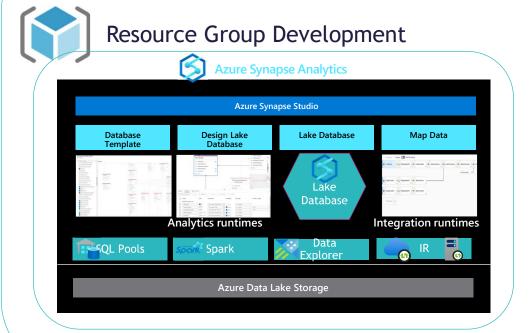


Map Data

Currently in Preview!

Create ETL mapping



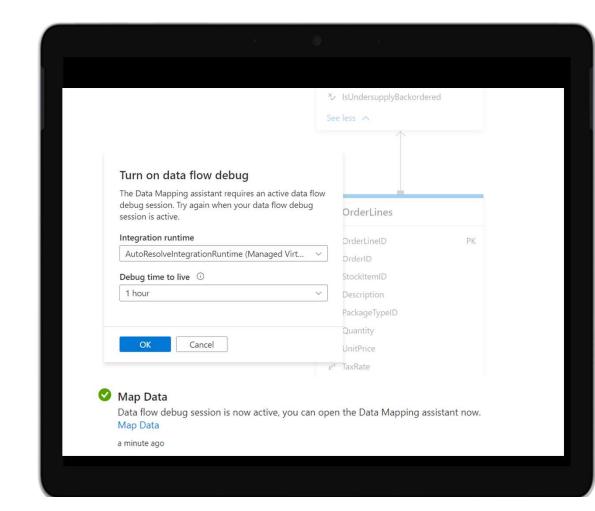




Map Data

- Create ETL mapping
- Data Flow debug



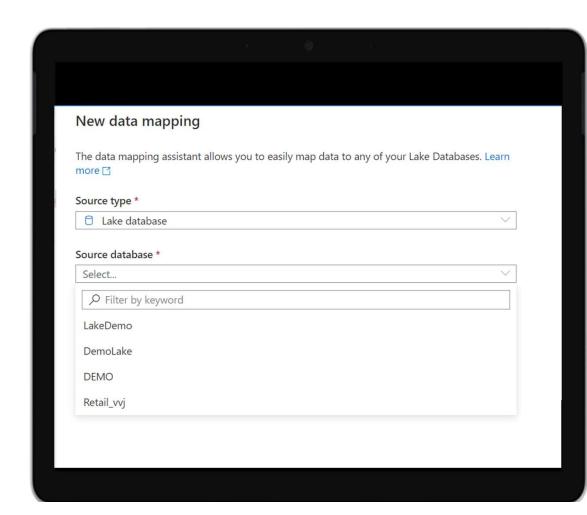




Map Data

- Create ETL mapping
- Data Flow debug
- Source Type
 - Lake Database

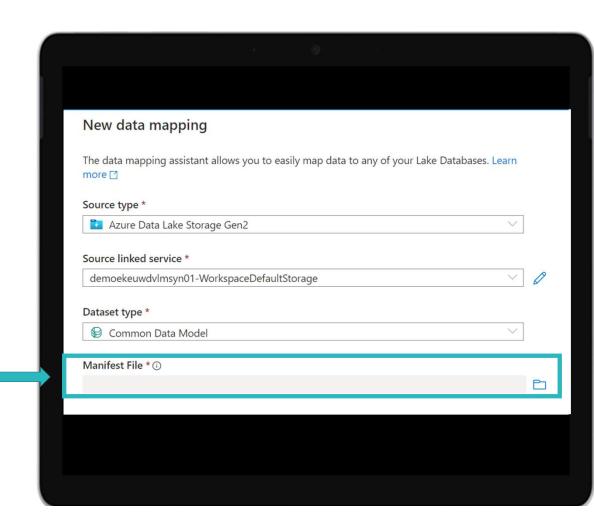






Map Data

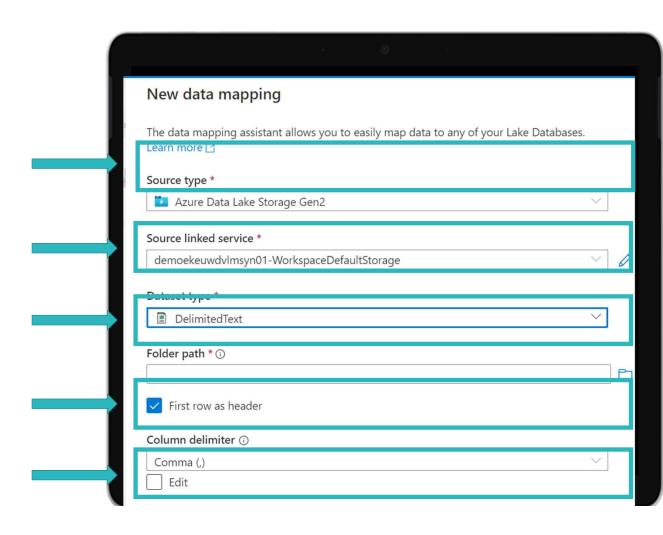
- Create ETL mapping
- Data Flow debug
- Source Type
 - Lake Database
 - Data Lake Storage
 - Common Data Model





Map Data

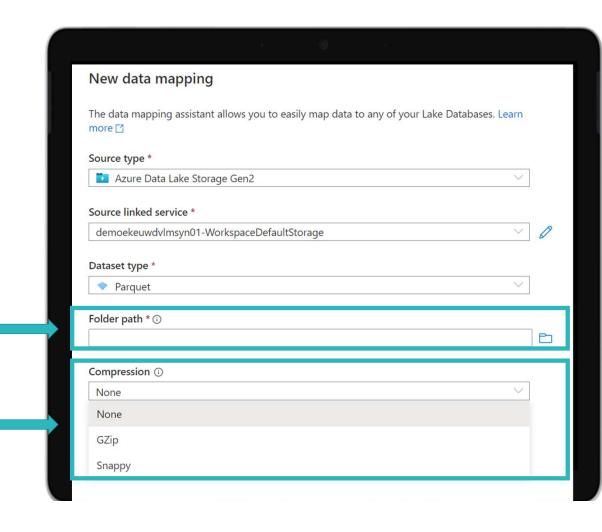
- Create ETL mapping
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- Source Type
 - Lake Database
 - Data Lake Storage
 - Common Data Model
 - Delimited Text





Map Data

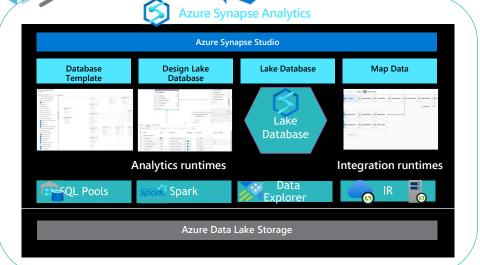
- Create ETL mapping
- Data Flow debug
- Source Type
 - Lake Database
 - Data Lake Storage
 - Common Data Model
 - Delimited Text
 - Parquet



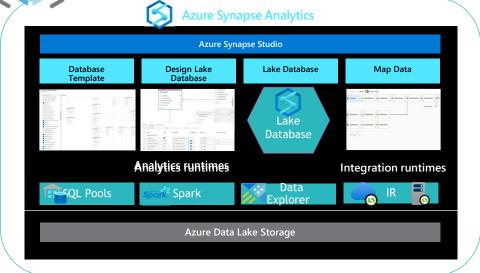








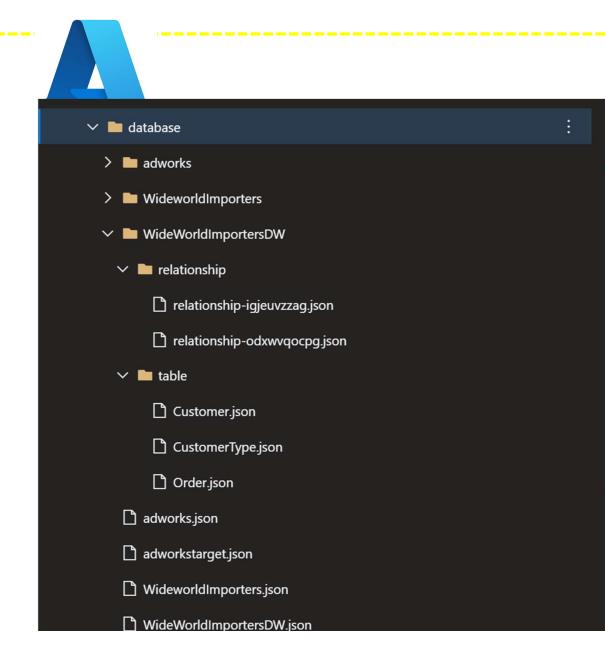






Azure Dev Ops

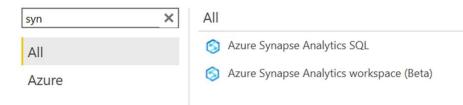
- Connect to Dev Ops
- Lake Database Entity's
- Linked Service will automatically change



Power BI

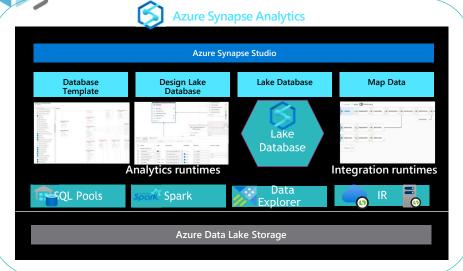
- Connect to Power BI
- New connector
- Azure Synapse Analytics Workspace (beta)
- Relationship from template will be taken over

Get Data









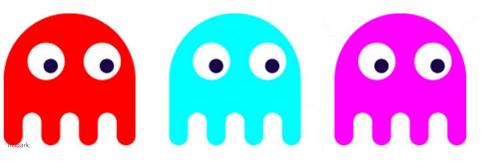






Remarks

- Azure Purview will scan your Lake Database
- Publish before you connect
- ☐ Lake Database as source is not working (Yet)
- Map Data is in Preview







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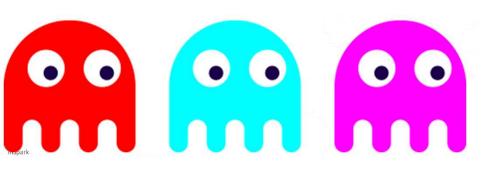
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^{*} Nigel Frank Microsoft Azure Salary Survey (June 2020) https://www.nigelfrank.com/microsoft-azure-salary-survey/

Feedback

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Questions?





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Slides will be available on my blog and SQLBITS

