Case Study 4 – Dynamic Ingestion of Tables using Metadata Control in Azure Data Factory

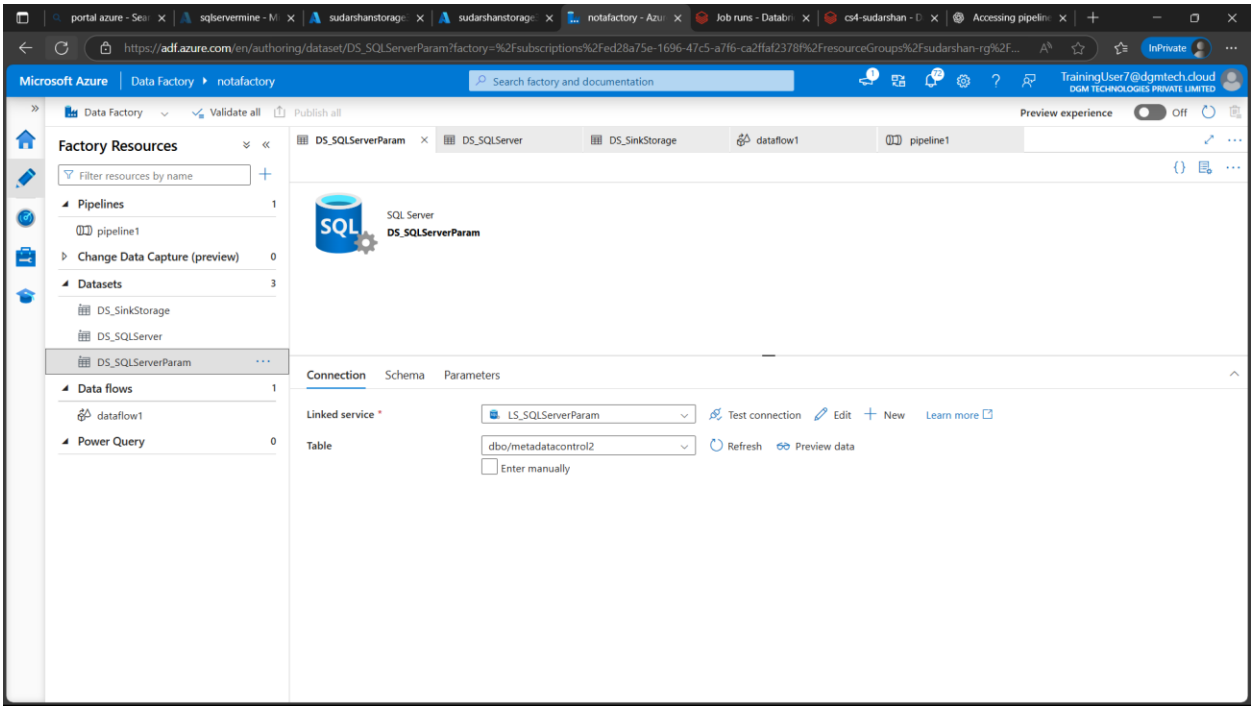
by Sudarshan Zunja

Setting Configurations and Environments

Source Dataset – SQL Server Database Tables

Target Sink – Azure Blob Storage Container

Transformation Intermediaries – Azure Databricks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Data Factory
Validate all
Publish all
Preview experience
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Factory Resources
Filter resources by name
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Change Data Capture (preview) 0
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New
Learn more
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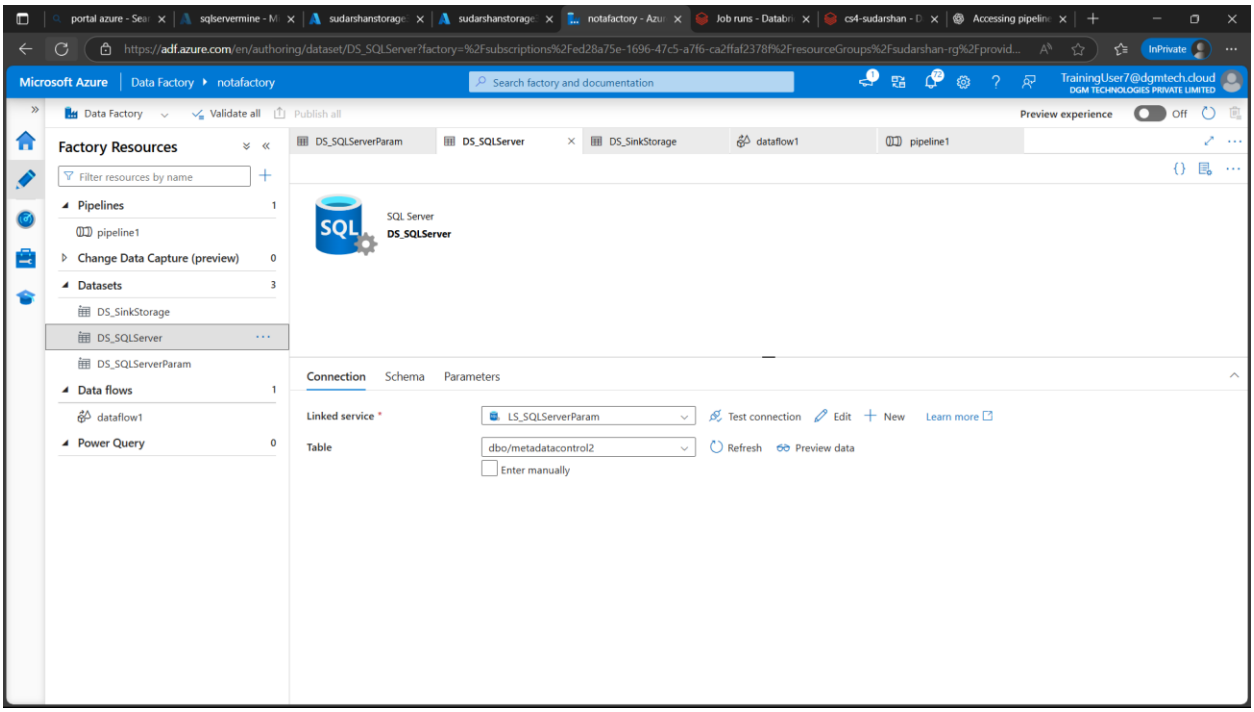
Refresh
Preview data
Enter manually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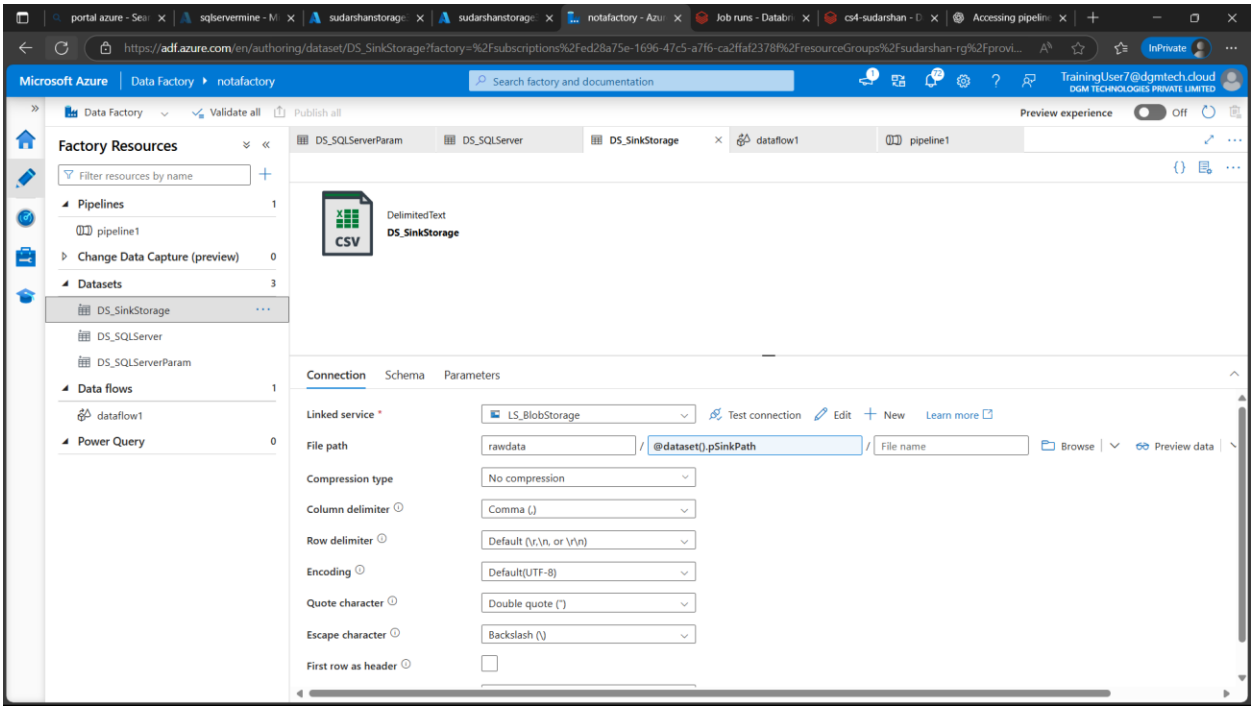
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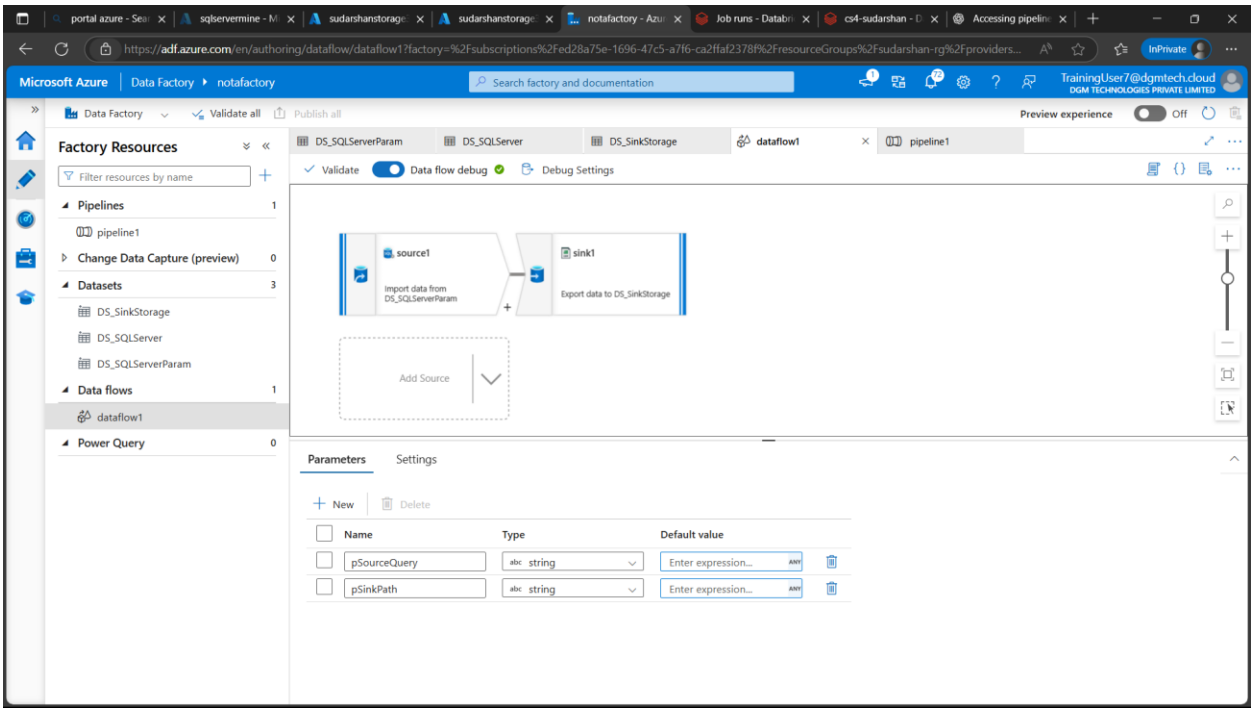
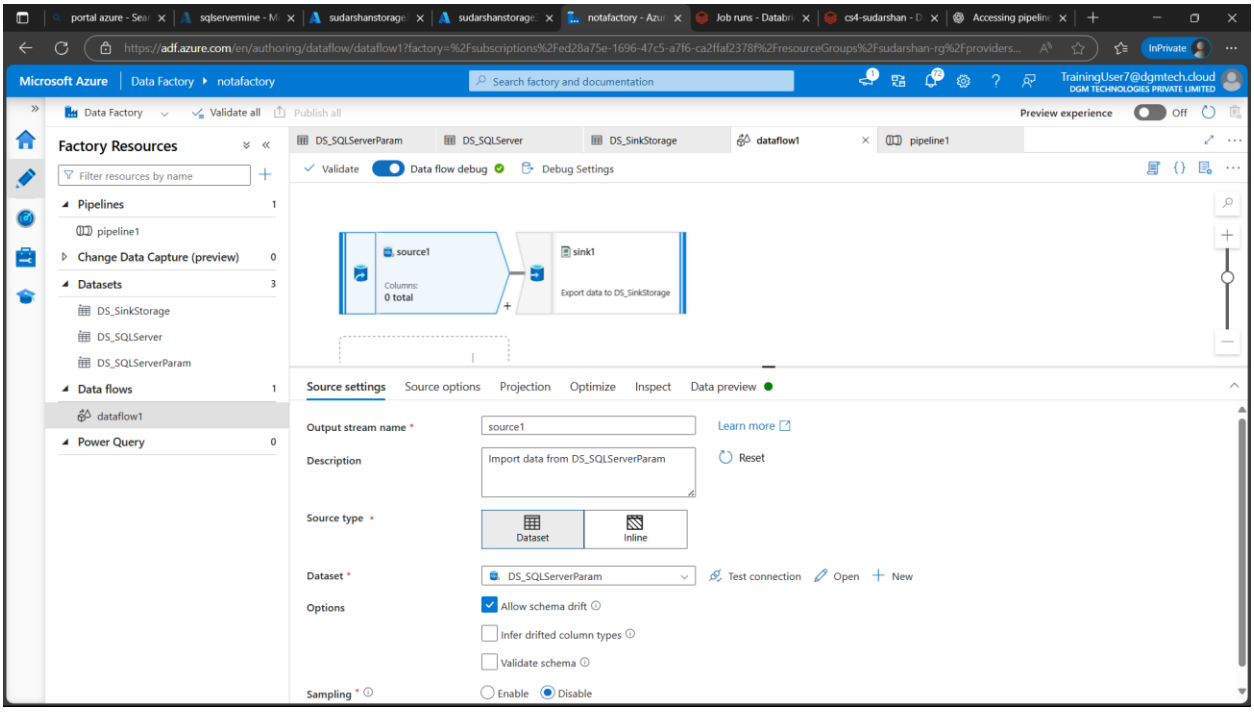
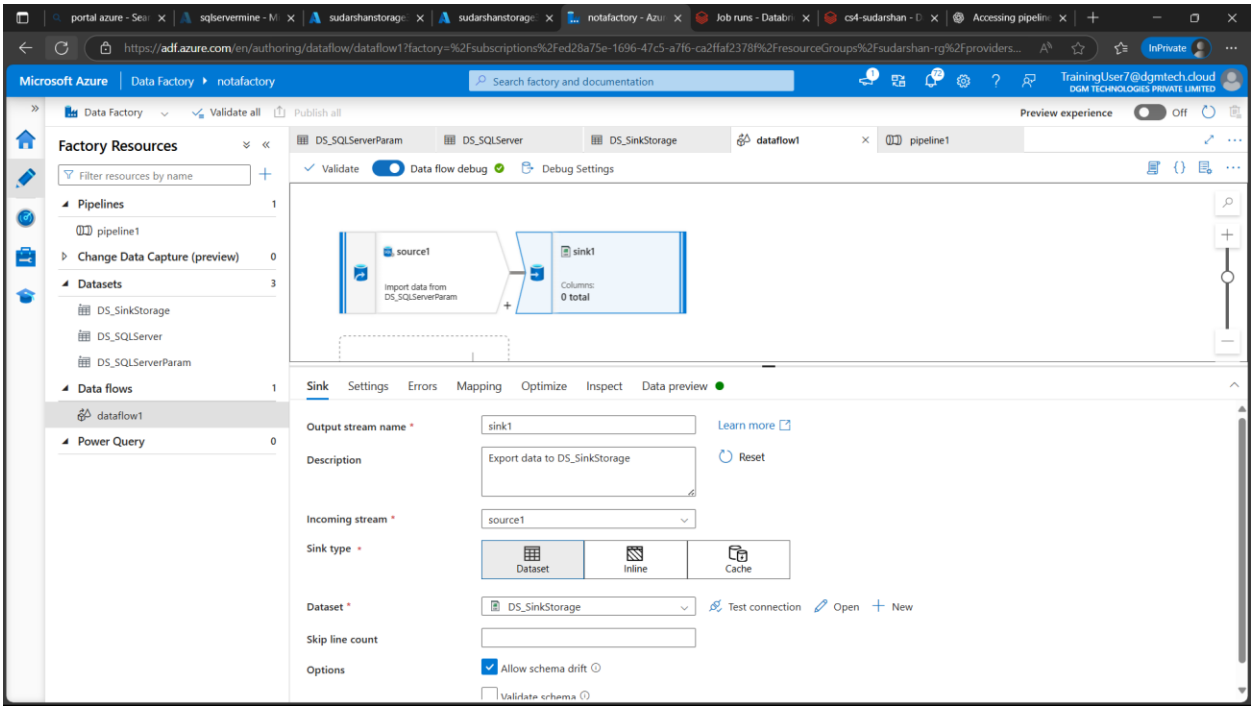
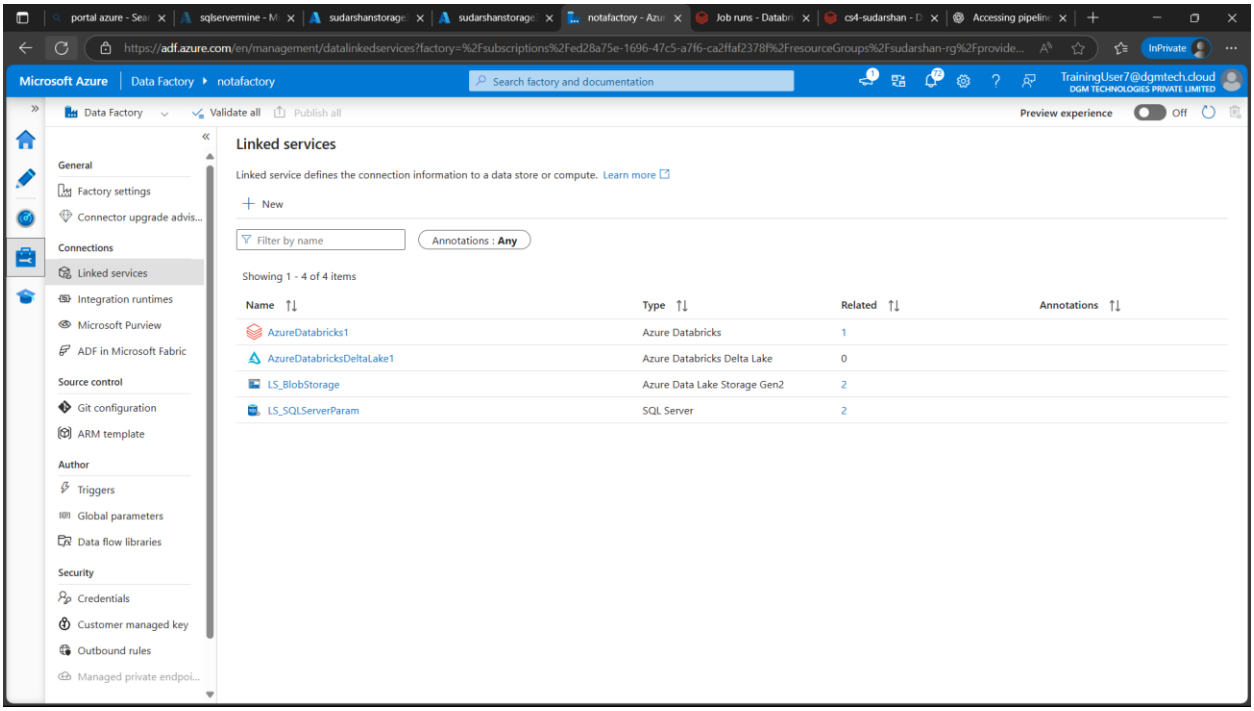
Parameters
Linked service *
LS_BlobStorage
Test connection
Edit
New
Learn more
File path
rawdata
@dataset().pSinkPath
File name
Browse
Preview data
Compression type
No compression
Column delimiter
Comma (,)
Row delimiter
Default (\r,\n, or \r\n)
Encoding
Default(UTF-8)
Quote character
Double quote (")
Escape character
Backslash (\)
First row as header

Data Flow Structure

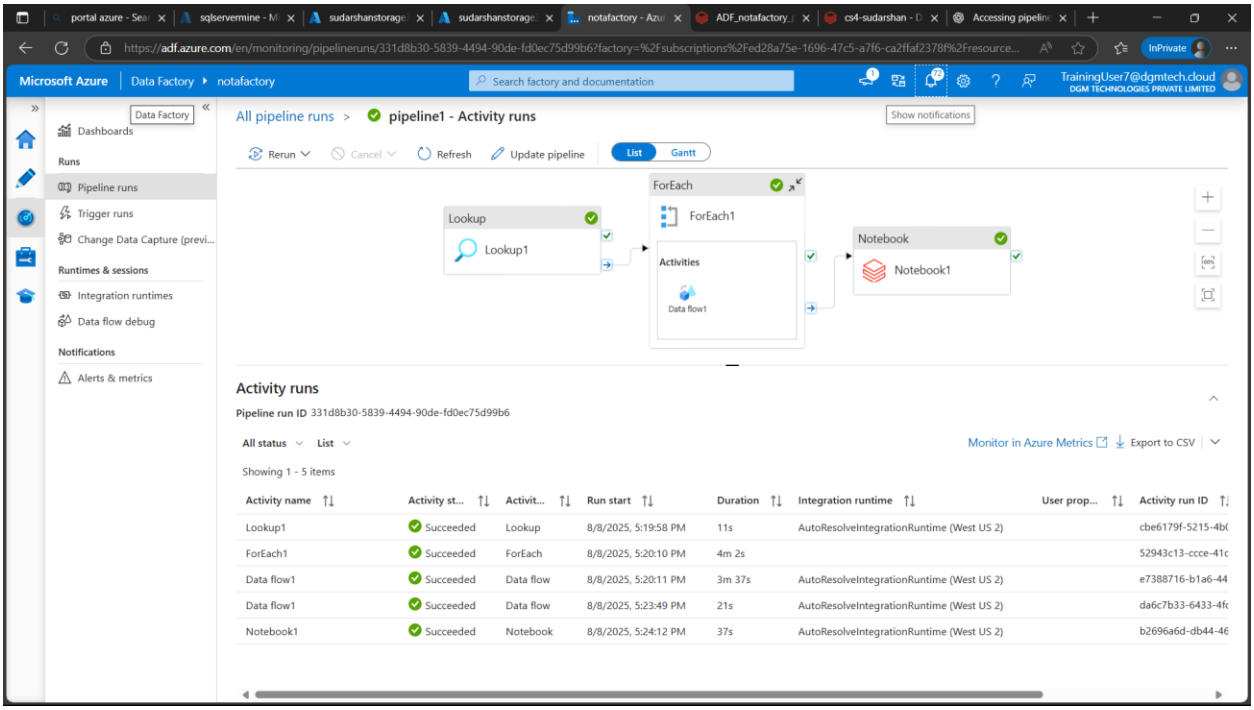




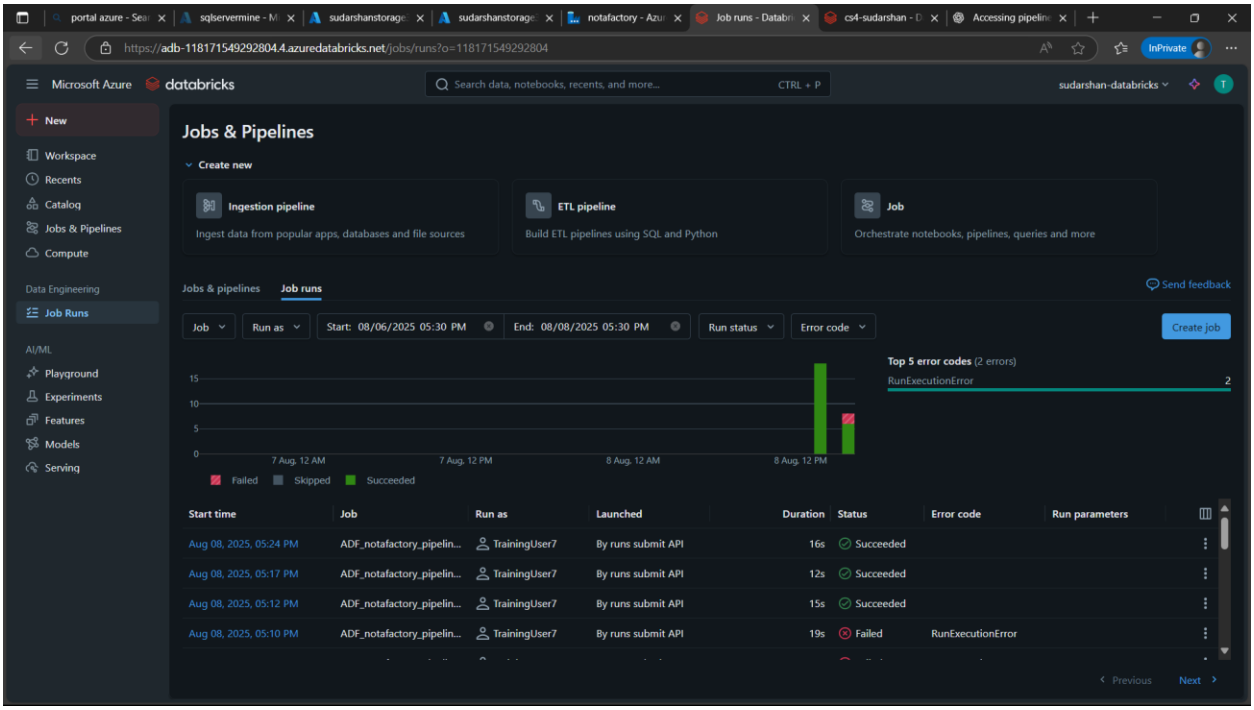


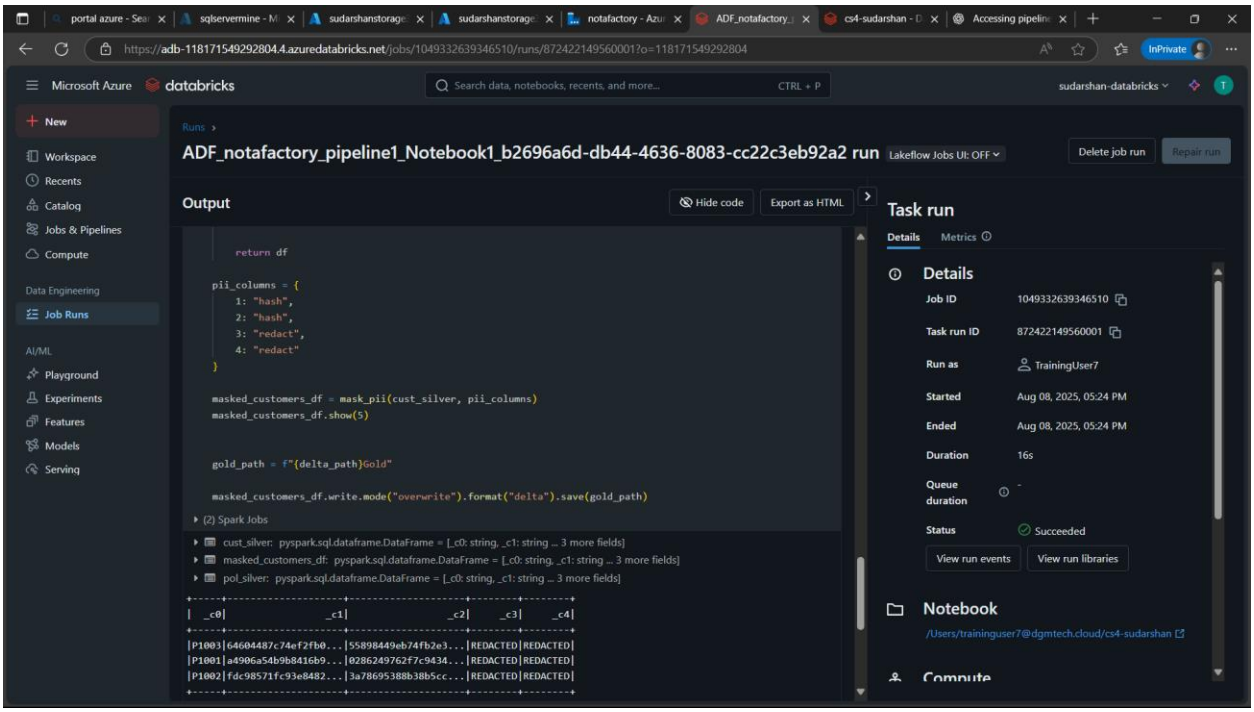


Pipeline Structure and Run

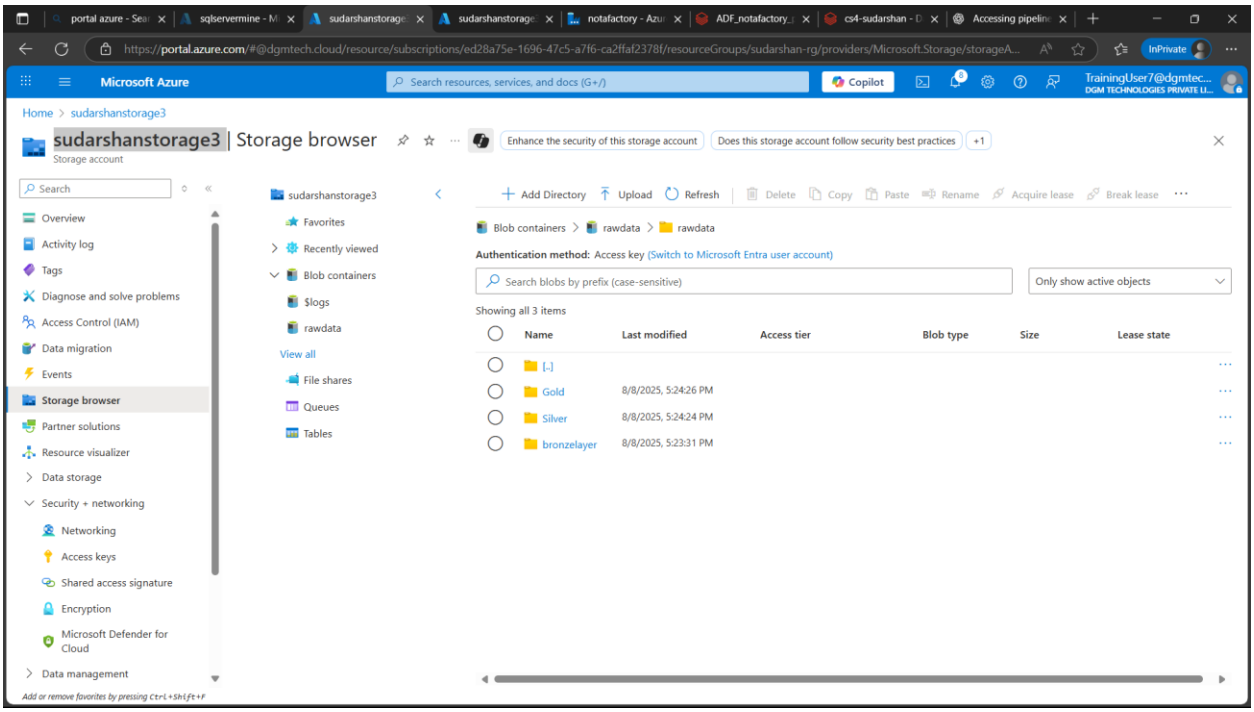


Databricks Transformations and Jobs Runs





Final Medallion Layers (Bronze-Silver-Gold)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rawdata
View all
File shares
Queues
Tables
Add Directory
Upload
Refresh
Delete
Copy
Paste
Rename
Acquire lease
Break lease
Blob containers > rawdata > rawdata
Authentication method: Access key (Switch to Microsoft Entra user account)
Search blobs by prefix (case-sensitive)
Only show active objects
Showing all 3 items
Name
Last modified
Access tier
Blob type
Size
Lease state
[..]
Gold
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Silver
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bronzelayer
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