

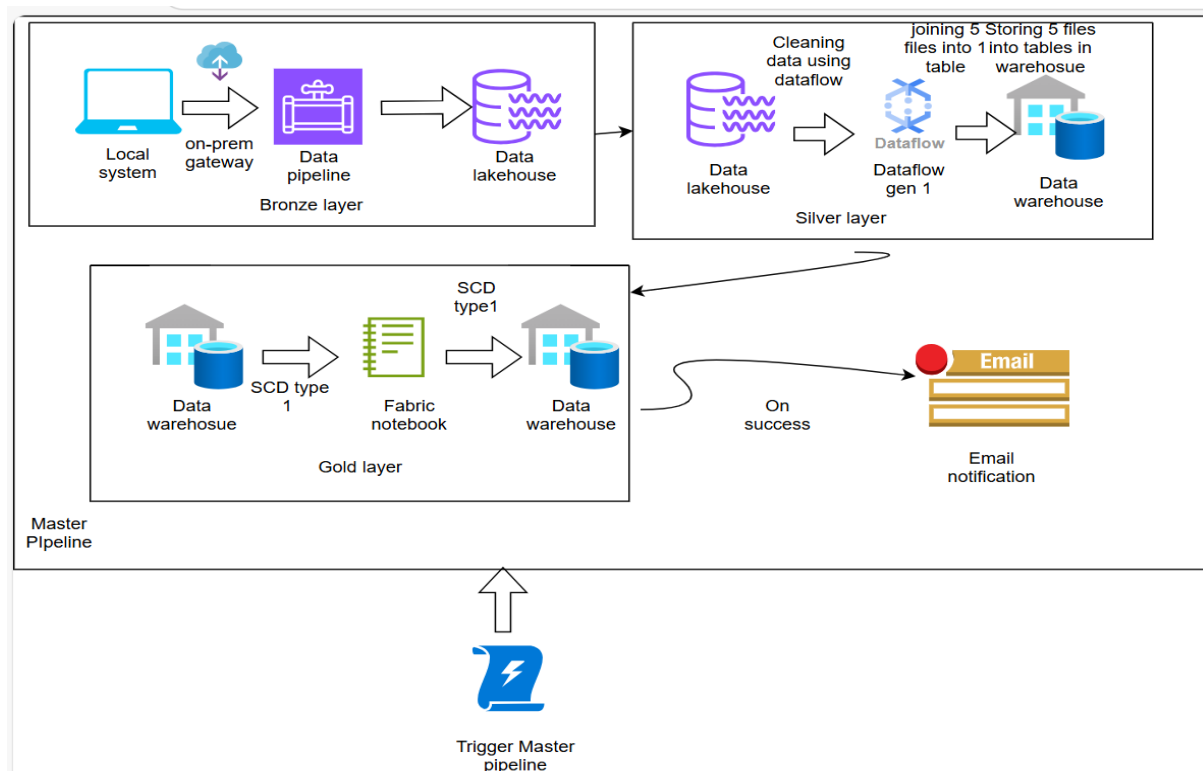
Bootcamp Project 4

Project Title: Incremental Data Loading and Automated Notifications using Microsoft Fabric

Problem Statement:

In modern data ecosystems, organizations need to efficiently ingest, transform, and load data from various sources into centralized platforms for analytics, while also ensuring timely monitoring and notification upon successful data refreshes. This project addresses the challenge of incrementally loading data from on-premises sources to Microsoft Fabric Lakehouse, processing it through a structured transformation pipeline, and triggering automated notifications upon successful execution.

Architecture diagram:



Tools & Technologies:

- Microsoft Fabric
- On-Premises Data Gateway
- Fabric Lakehouse and Warehouse
- Fabric Dataflow Gen 1
- Fabric Notebook
- Email Notification Task (in-built)
- Draw.io / Visio for architecture diagram

Bronze layer:

To connect on-prem to fabric pipeline we need to download and install ON-prem Gateway.



On-premises data gateway installation

? x

Getting ready to install the on-premises data gateway.

Please review [minimum requirements](#) for installing the On-premises data gateway. Not meeting these requirements may result in performance bottlenecks.

Install to

C:\Program Files\On-premises data gateway



☒ I accept the [terms of use](#) and [privacy statement](#).

Install

Close



On-premises data gateway installation

? x

Installing your on-premises data gateway.

Please wait



Cancel



On-premises data gateway

? x

Almost done.

⊗ A valid email address must be specified (e.g.: abc@example.com).

Installation was successful!

Email address to use with this gateway *

fabricnisha@nisha1207reddygmail.onmicrosoft.com

Next, you need to sign in to register your gateway.

[Sign in options](#)

☒ Use my default web browser

Export logs

Sign in

Cancel



On-premises data gateway

? X

You are signed in as fabricnisha@nisha1207reddygmail.onmicrosoft.com and are ready to register the gateway.

- ☒ Register a new gateway on this computer.
- ☐ Migrate, restore, or takeover an existing gateway.
- Move a gateway to a new computer
 - Recover a damaged gateway
 - Take ownership of a gateway
- The old gateway will be disconnected.

Next

Cancel



On-premises data gateway

? X

You are signed in as fabricnisha@nisha1207reddygmail.onmicrosoft.com and are ready to register the gateway.

New on-premises data gateway name *

Deepthi

☐ Add to an existing gateway cluster [Learn more](#)

Recovery key (8 character minimum) *

.....

i This key is needed to restore the gateway and can't be changed. Record it in a safe place.

Confirm recovery key *

.....

We'll use this region to connect the gateway to cloud services: Canada Central [Change Region](#)
[Provide relay details \(optional\)](#) By default, Azure Relays are automatically provisioned

Configure

Cancel



On-premises data gateway

? X

Status

Service Settings

Diagnostics

Network

Connectors

Recovery Keys

✓ The gateway Deepthi is online and ready to be used.

Gateway version number: 3000.266.4 (April 2025)

✓ Help us improve the on-premises data gateway by sending usage information to Microsoft.
[Read the privacy statement online](#)

Logic Apps, Azure Analysis Services
Canada Central

[Create a gateway in Azure](#)

Power Apps, Power Automate
Canada Central

✓ Ready

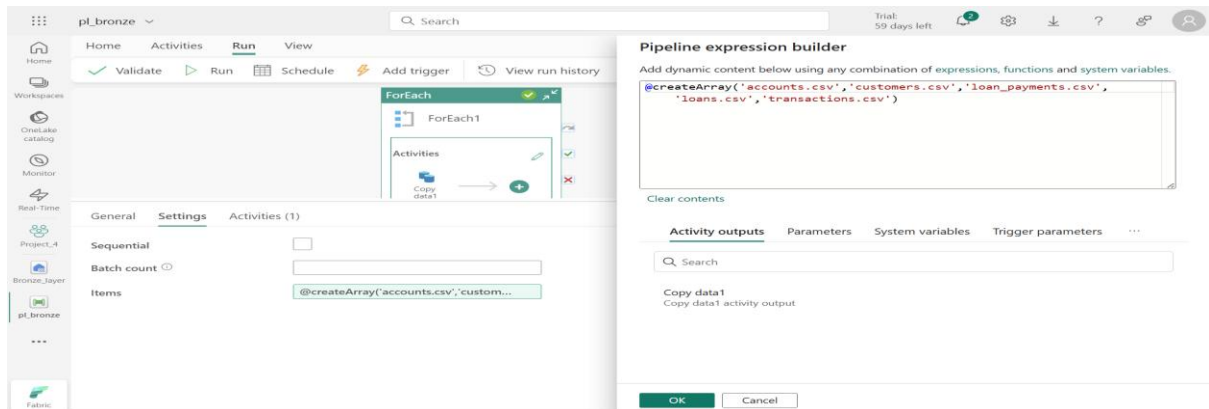
Microsoft Fabric
Default environment

✓ Ready

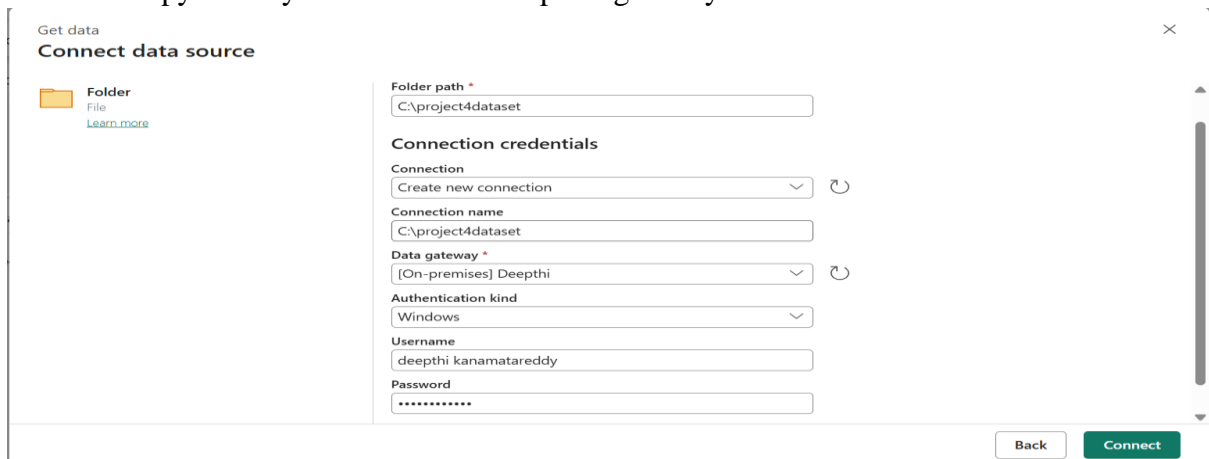
Close

Now we have to create a pipeline with copy data activity to copy data from on-prem to fabric lake house.

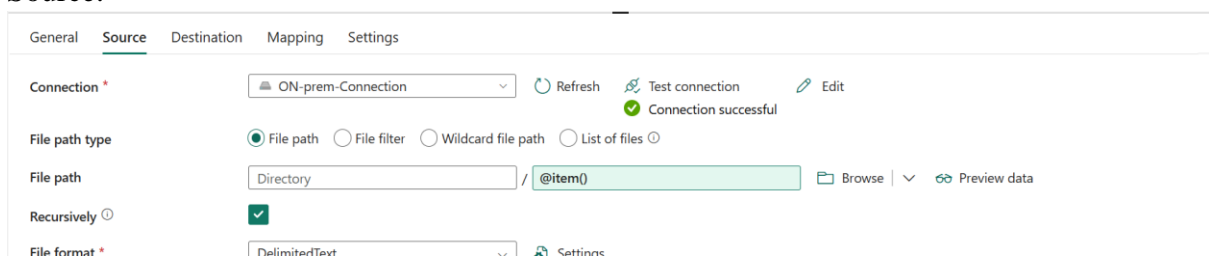
First, we will add foreach activity to get all files from on-prem.



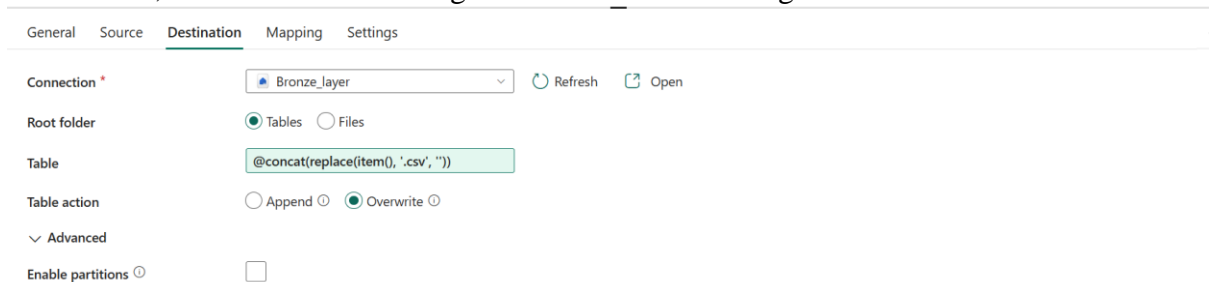
Now add copy activity and connect to on prem gateway.



Source:



Destination, here we are connecting to lake house and storing data in tables.



Pipeline ran successfully.

pl_bronze

Home Activities **Run** View

✓ Validate ▶ Run ⌘ Schedule ⚡ Add trigger ⌚ View run history

ForEach

ForEach1

Parameters Variables Settings **Output** Library variables (preview)

Pipeline run ID: 26c72bc5-ba55-4533-a001-20d46763bc96 Pipeline status **Succeeded** View run detail Export to CSV

Filter by keyword Showing 6 items

Activity name	Activity status	Run start	Duration	Input	Output
ForEach1	Succeeded	5/2/2025, 9:42:45 AM	1m 6s	->	->
Copy data1	Succeeded	5/2/2025, 9:42:46 AM	31s	->	->
Copy data1	Succeeded	5/2/2025, 9:42:46 AM	35s	->	->
Copy data1	Succeeded	5/2/2025, 9:42:46 AM	32s	->	->
Copy data1	Succeeded	5/2/2025, 9:42:46 AM	36s	->	->
Copy data1	Succeeded	5/2/2025, 9:42:46 AM	32s	->	->

Data is loaded successfully into lake house:

Bronze_layer

Home

Get data New semantic model Open notebook Manage OneLake data access (preview)

A SQL analytics endpoint for SQL querying was created with this item.

Explorer

Search tables

Bronze_layer

- Tables
 - accounts
 - customers
 - loan_payments
 - loans
 - transactions
- Files

accounts

Showing 100 rows

	ABC account_id	ABC customer_id	ABC account_type	ABC balance
1	1	45	Savings	1000.50
2	2	12	Checking	2500.75
3	3	78	Savings	1500.00
4	4	34	Checking	3000.25
5	5	56	Savings	500.00
6	6	23	Checking	1200.50
7	7	89	Savings	800.75
8	8	67	Checking	2200.00
9	9	14	Savings	900.25
10	10	92	Checking	1800.50
11	11	3	Savings	1100.75
12	12	81	Checking	2700.00
13	13	29	Savings	1300.25
14	14	64	Checking	3200.50
15	15	47	Savings	700.75

Succeeded (25 sec 452 ms) Columns 4 Rows 100

Silver Layer:

Using Dataflow to clean data (Removing duplicates, correcting data types, Replacing nulls).
Connecting source as lake house.

dl_cleaning

Power Query dl_cleaning Dataflow saved

Home

Get data Connect to data source

Get data Lakehouse Microsoft Fabric

Connection credentials

Connection Create new connection

Connection name

Data gateway (none)

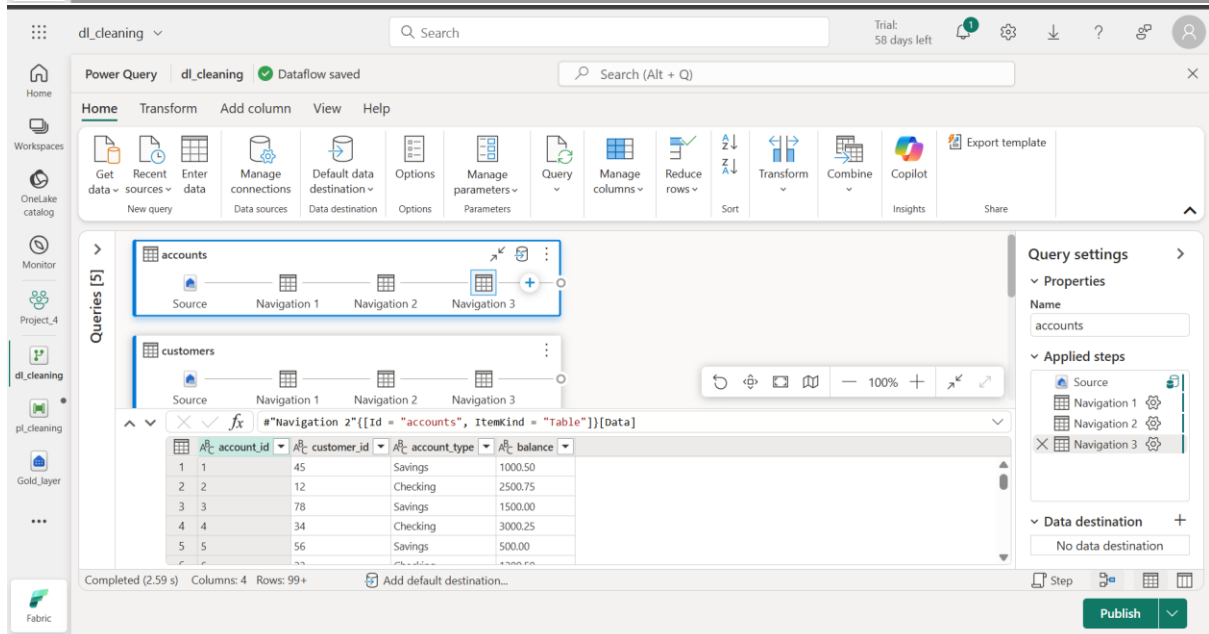
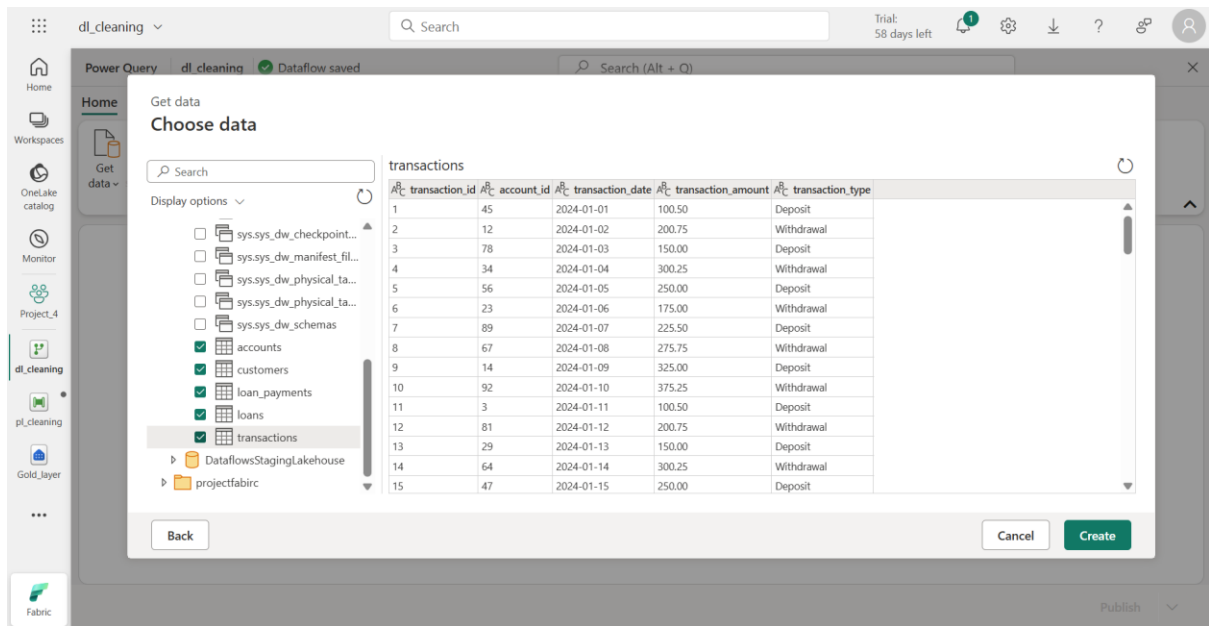
Authentication kind Organizational account

You are currently signed in as:

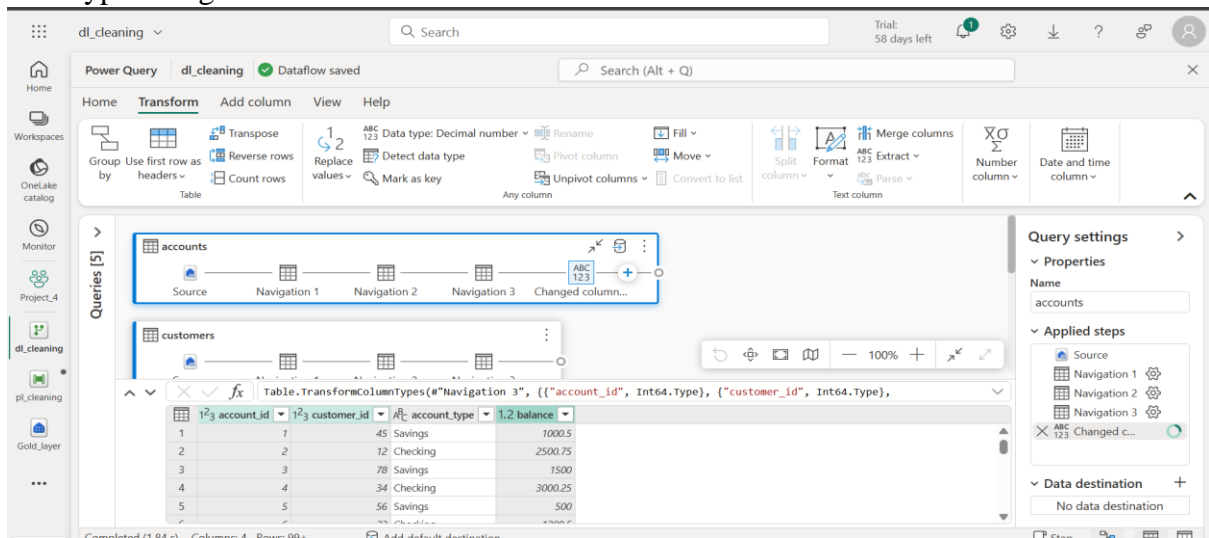
fabrincinisha
fabrincinisha@nisha1207reddy@gmail.on...

Switch account

Back Cancel Next



Data type changed



Replacing nulls

The screenshot shows the Microsoft Fabric Power Query interface. A dialog box titled "Replace values" is open, prompting the user to replace one value with another in the selected columns. The "Value to find" field contains "null" and the "Replace with" field contains "unknown". The background shows a data table with columns: account_id, customer_id, account_type, and balance. The table contains 5 rows of data.

account_id	customer_id	account_type	balance
1	45	Savings	1000.5
2	12	Checking	2500.75
3	78	Savings	1500
4	34	Checking	3000.25
5	56	Savings	500

Remove duplicates

The screenshot shows the Microsoft Fabric Power Query interface. The "Remove duplicates" option is highlighted in the "Transform" tab ribbon. The background shows a data table with columns: account_id, customer_id, account_type, and balance. The table contains 5 rows of data.

account_id	customer_id	account_type	balance
1	45	Savings	1000.5
2	12	Checking	2500.75
3	78	Savings	1500
4	34	Checking	3000.25
5	56	Savings	500

The screenshot shows the Microsoft Fabric Power Query interface after the "Remove duplicates" step has been applied. The "Applied steps" list on the right shows the "Remove duplicates" step. The background shows a data table with columns: account_id, customer_id, account_type, and balance. The table contains 5 rows of data.

account_id	customer_id	account_type	balance
1	45	Savings	1000.5
2	12	Checking	2500.75
3	78	Savings	1500
4	34	Checking	3000.25
5	56	Savings	500

Adding destination:

The screenshot shows the Microsoft Fabric Power Query interface. The 'Transform' tab is active, displaying a data table with columns: account_id, customer_id, account_type, and balance. A context menu is open over the table, showing options for 'Default destination' and 'New destination'. The 'New destination' menu lists options like Lakehouse, Warehouse, SQL database, Azure SQL database, and Azure Data Explorer (Kusto). The 'Query settings' pane on the right shows the 'Properties' section with the name 'accounts' and the 'Applied steps' section with a list of steps including 'Navigation 1', 'Navigation 2', 'Navigation 3', 'Changed column...', 'Replaced value', and 'Removed duplicate rows'.

The screenshot shows the 'Connect to data destination' dialog box. The 'Data destination' section has 'Warehouse' selected. The 'Connection credentials' section includes fields for 'Connection' (Create new connection), 'Connection name', 'Data gateway' (none), 'Authentication kind' (Organizational account), and 'You are currently signed in as: fabricnisha'. The 'Back', 'Cancel', and 'Next' buttons are visible at the bottom.

The screenshot shows the 'Choose destination settings' dialog box. The 'Update method' section has 'Replace' selected. The 'Schema options on publish' section has 'Fixed schema' selected. The 'Column mapping' section shows a mapping for 'customer_id' from 'Source' to 'Destination' with the 'Destination type' set to 'Whole number'. The 'Back', 'Cancel', and 'Save settings' buttons are visible at the bottom.

All changes applied to all files.

dl_cleaning

Search

Trial: 58 days left

Power Query

dl_cleaning

Dataflow saved

Search (Alt + Q)

Home

Transform

Add column

View

Help

Group by

Use first row as headers

Transpose

Reverse rows

Count rows

Replace values

1 2

ABC 123

Data type: Any

Detect data type

Mark as key

Rename

Pivot column

Unpivot columns

Fill

Move

Convert to list

Split column

Format

ABC 123

Merge columns

Extract

Parse

Number column

Date and time column

Queries [5]

accounts

8 steps

customers

8 steps

Table.TransformColumnTypes(#"Removed duplicates", {"transaction_id", Int64.Type}, {"account_id", Int64.Type},

1 2 3 transaction_id 1 45 1/1/2024, 12:00:00 AM 100.5 Deposit

2 2 12 1/2/2024, 12:00:00 AM 200.75 Withdrawal

3 3 78 1/3/2024, 12:00:00 AM 150 Deposit

4 4 34 1/4/2024, 12:00:00 AM 300.25 Withdrawal

5 5 56 1/5/2024, 12:00:00 AM 250 Deposit

Completed (0.87 s)

Columns: 5

Rows: 99+

Add default destination...

Query settings

Properties

Name

transactions

Applied steps

Navigation...

Navigation...

Change...

Replace...

Remove...

Change...

Data destination

Warehouse

Step

Table

Calendar

Published

Fabric

Project_4

Search

Trial: 58 days left

Home

Project_4

Create deployment pipeline

Create app

Manage access

Workspace settings

+ New item

New folder

Import

Migrate

Select from one of Microsoft's predesigned task flows or add a task to start building

Name

Type

Task

Owner

Refreshed

Next refresh

Bronze_layer

Lakehouse

—

fabricnisha

—

—

Bronze_layer

Semantic ...

—

Project_4

5/1/2025, 1...

N/A

Bronze_layer

SQL analy...

—

fabricnisha

—

—

dl_cleaning

Dataflow ...

—

fabricnisha

—

N/A

Gold_layer

Warehouse

—

fabricnisha

—

—

Gold_layer

Semantic ...

—

Project_4

5/3/2025, 9...

N/A

pl_bronze

Data pipe...

—

fabricnisha

—

—

pl_cleaning

Data pipe...

—

fabricnisha

—

—

Silver_layer

Warehouse

—

fabricnisha

—

—

Show or hide the task flow

Select to show or hide the task flow. The list of items will be resized automatically.

Got it

Tables created in warehouse.

Silver_layer

Search

Trial: 58 days left

Home

Reporting

Share

This warehouse has a default Power BI semantic model. To automatically add objects, go to warehouse settings. To manually add objects, use Manage default semantic model. Learn more

Explorer

+ Warehouses

Silver_layer

Schemas

dbo

Tables

accounts

customers

loan_payments

loans

transactions

Views

Functions

Data preview - accounts

Showing 1000 rows

Search

123 account_id

123 customer_id

ABC account_type

12F balance

1 1 45 Savings 1000.5

2 2 12 Checking 2500.75

3 3 78 Savings 1500

4 4 34 Checking 3000.25

5 5 56 Savings 500

6 6 23 Checking 1200.5

7 7 89 Savings 800.75

8 8 67 Checking 2200

9 9 14 Savings 900.25

10 10 92 Checking 1800.5

11 11 3 Savings 1100.75

12 12 81 Checking 2700

13 13 29 Savings 1300.25

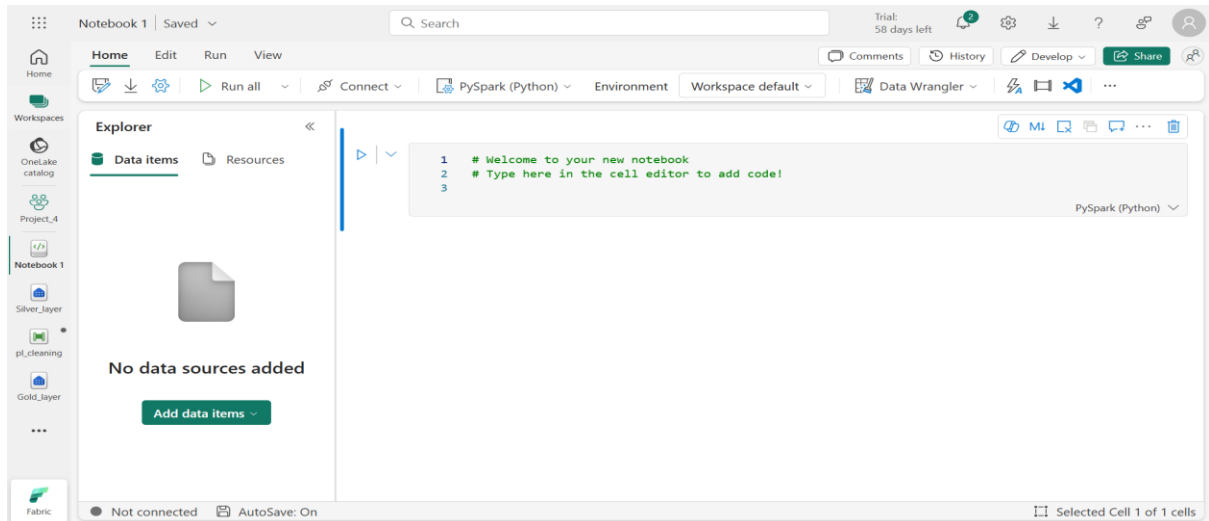
14 14 64 Checking 3200.5

Succeeded (1 sec 214 ms)

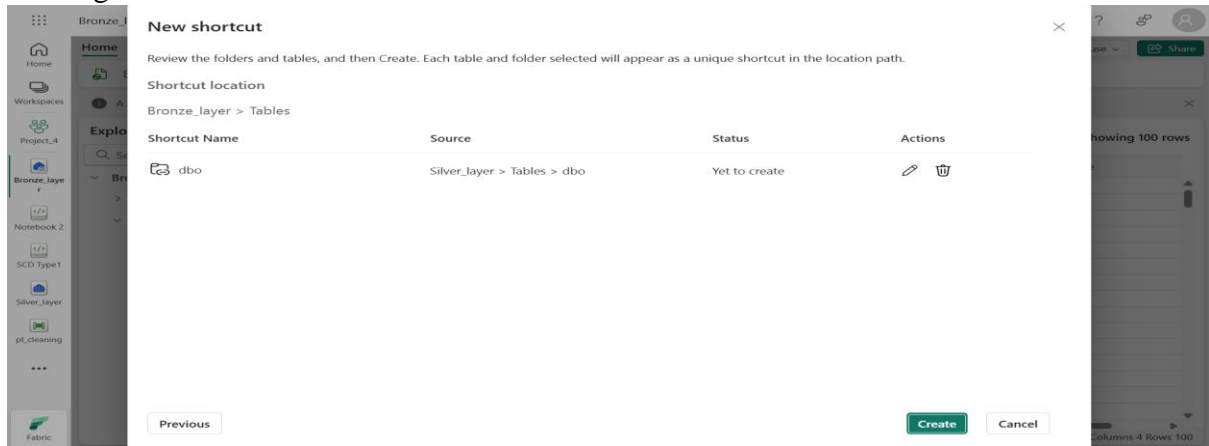
Columns: 4

Rows: 100

Notebook:



creating short cut



Code:

```
df_source = spark.read.format("delta").load("Tables/dbo/accounts")
df_source.createOrReplaceTempView("source_view")
src_path="Tables/dbo/accounts"
```

```
create_table_query = """
CREATE TABLE Account_SCD (
  account_id int,
  customer_id int,
  account_type string,
  balance float,
  hash_key BIGINT,
  created_by STRING,
  created_date TIMESTAMP,
  updated_by STRING,
  updated_date TIMESTAMP
)
USING DELTA
LOCATION 'Tables/Gold_layer/Account_SCD'
```

```
"""
```

```
# Execute the query to create the table
spark.sql(create_table_query)
```

```
from delta.tables import DeltaTable
target_path = "Tables/Gold_layer/Account_SCD"
delta_target = DeltaTable.forPath(spark, target_path)
```

```
from pyspark.sql.functions import *
df_src1= df_source.withColumn("hash_key",crc32(concat(*df_source.columns)))
display(df_src1)
```

```
df_src1=df_src1.alias("src").join(delta_target.toDF().alias("tgt"),((col("src.account_id")==col
("tgt.account_id"))&(col("src.hash_key")==col("tgt.hash_key"))),"anti").select(col("src.*"))
df_src1.show()
```

```
from pyspark.sql.functions import col
delta_target.alias("tgt").merge(df_src1.alias("src"),"tgt.account_id = src.account_id")\
.whenMatchedUpdate(set={"tgt.account_id":"src.account_id","tgt.customer_id":"src.customer_id",
"tgt.account_type":"src.account_type","tgt.balance":"src.balance","tgt.hash_key":"src.hash_key",
"tgt.updated_date":current_timestamp(),"tgt.updated_by":lit("databricks_Updated")})\
.whenNotMatchedInsert(values={"tgt.account_id":"src.account_id","tgt.customer_id":"src.customer_id",
"tgt.account_type":"src.account_type","tgt.balance":"src.balance","tgt.hash_key":"src.hash_key",
"tgt.created_date":current_timestamp(),"tgt.created_by":lit("databricks"),"tgt.updated_date":current_timestamp(),
"tgt.updated_by":lit("databricks")}).execute()
```

```
display(spark.read.format("delta").option("header","true").load(target_path))
```

Output:

Accounts output:

Home

Workspaces

Project_4

Bronze_layer

Gold_layer

Bronze_layer

NB_SCDtype

SCD Type1

...

Fabric

Bronze_layer

Search

Home

Reporting

This warehouse has a default Power BI semantic model. To automatically add objects, go to warehouse settings. To manually add objects, use Manage default semantic model. [Learn more](#)

Explorer

+ Warehouses

views

Funci...

Stored Pr...

Gold_layer

Tables

Account

Custom

Loan_Pa

Loans1

Transact

Views

Functions

Account_SCD

Data preview - Account_SCD

Showing 1000 rows

Search

	123	account_id	123	customer...	ABC	account...	12F	balance	123	hash_key	ABC	created_by	created...	ABC	updated...	updated...
1	1	45		Savings	1000.5	2454403084	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
2	2	12		Checking	2500.75	796571617	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
3	3	78		Savings	1500	199654578	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
4	4	34		Checking	3000.25	761699333	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
5	5	56		Savings	500	3886787448	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
6	6	23		Checking	1200.5	589336936	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
7	7	89		Savings	800.75	74260363	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
8	8	67		Checking	2200	3401041467	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
9	9	14		Savings	900.25	1397533172	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
10	10	92		Checking	1800.5	533177005	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
11	11	3		Savings	1100.75	744264830	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
12	12	81		Checking	2700	4249714	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
13	13	29		Savings	1300.25	3025925162	databricks	2025-05-03 1...	databricks	2025-05-03 1...						
14	14	64		Checkinn	3200.5	3349647104	databricks	2025-05-03 1...	databricks	2025-05-03 1...						

Succeeded (1 sec 277 ms)

Columns: 9 Rows: 100

Customers Output:

Home Reporting

SQL analytics endpoint

This warehouse has a default Power BI semantic model. To automatically add objects, go to warehouse settings. To manually add objects, use Manage default semantic model. Learn more

Explorer

Warehouses

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Gold_layer

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Loan_Pa

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Data preview - Customer_SCD1

Showing 1000 rows

	123 customer...	ABC first_name	ABC last_name	ABC address	ABC city	ABC state	ABC zip	123 hash_key	ABC created_...
1	1	John	Doe	123 Elm St	Toronto	ON	M4B1B3	237314683	databricks
2	2	Jane	Smith	456 Maple Ave	Ottawa	ON	K1A0B1	3911254336	databricks
3	3	Michael	Johnson	789 Oak Dr	Montreal	QC	H1A1A1	4114944968	databricks
4	4	Emily	Davis	101 Pine Rd	Calgary	AB	T2A0A1	165372536	databricks
5	5	David	Wilson	202 Birch Blvd	Vancouver	BC	V5K0A1	3284019540	databricks
6	6	Emma	Clark	505 Cedar St	Halifax	NS	B3H0A1	4268191859	databricks
7	7	James	Martinez	606 Spruce Ln	Winnipeg	MB	R3C0A1	4278935663	databricks
8	8	Olivia	Garcia	707 Fir St	Edmonton	AB	T5A0A1	443479193	databricks
9	9	William	Lopez	808 Redwood...	Victoria	BC	V8W0A1	4188371369	databricks
10	10	Ava	Anderson	909 Cypress A...	Quebec City	QC	G1A0A1	980781681	databricks
11	11	Alexander	Thomas	1010 Willow Rd	St. John's	NL	A1A0A1	823092523	databricks
12	12	Isabella	Lee	1111 Poplar St	Fredericton	NB	E3B0A1	2367321549	databricks
13	13	Daniel	Harris	1212 Ash Blvd	Charlottetown	PE	C1A0A1	2952121673	databricks
14	14	Sophia	Young	1313 Beech Dr	Yellowknife	NT	X1A0A1	1246741277	databricks

Succeeded (1 sec 348 ms)

Columns: 12 Rows: 87

Loan_payment output:

Home Reporting

SQL analytics endpoint

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Explorer

Warehouses

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Data preview - Loan_Payment

Showing 1000 rows

	123 payment...	123 loan_id	12F payment...	12F payment...	123 hash_key	ABC created_by	ABC created_...	ABC updated_...	ABC updated...
1	1	45	2024-01-01 0...	100	2281099843	databricks	2025-05-03 1...	databricks	2025-05-03 1...
2	2	23	2024-01-02 0...	150	1187304668	databricks	2025-05-03 1...	databricks	2025-05-03 1...
3	3	67	2024-01-03 0...	200	820265650	databricks	2025-05-03 1...	databricks	2025-05-03 1...
4	4	89	2024-01-04 0...	250	1674179584	databricks	2025-05-03 1...	databricks	2025-05-03 1...
5	5	12	2024-01-05 0...	300	366101476	databricks	2025-05-03 1...	databricks	2025-05-03 1...
6	6	34	2024-01-06 0...	350	4269069221	databricks	2025-05-03 1...	databricks	2025-05-03 1...
7	7	56	2024-01-07 0...	400	54904002	databricks	2025-05-03 1...	databricks	2025-05-03 1...
8	8	78	2024-01-08 0...	450	585028383	databricks	2025-05-03 1...	databricks	2025-05-03 1...
9	9	90	2024-01-09 0...	500	3119229326	databricks	2025-05-03 1...	databricks	2025-05-03 1...
10	10	11	2024-01-10 0...	550	3168535820	databricks	2025-05-03 1...	databricks	2025-05-03 1...
11	11	22	2024-01-11 0...	600	3698267372	databricks	2025-05-03 1...	databricks	2025-05-03 1...
12	12	33	2024-01-12 0...	650	198088189	databricks	2025-05-03 1...	databricks	2025-05-03 1...
13	13	44	2024-01-13 0...	700	3230927704	databricks	2025-05-03 1...	databricks	2025-05-03 1...
14	14	55	2024-01-14 0...	750	4228416623	databricks	2025-05-03 1...	databricks	2025-05-03 1...

Succeeded (1 sec 29 ms)

Columns: 9 Rows: 100

Loans output:

Home Reporting

SQL analytics endpoint

This warehouse has a default Power BI semantic model. To automatically add objects, go to warehouse settings. To manually add objects, use Manage default semantic model. Learn more

Explorer

Warehouses

Views

Functions

Stored Procedures

Gold_layer

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Data preview - Loans1

Showing 1000 rows

	123 loan_id	123 customer...	12F interest_r...	123 loan_term	12F loan_am...	123 hash_key	ABC created_by	ABC created_...	ABC updated...
1	1	45	5.5	36	10000.5	2502041691	databricks	2025-05-03 1...	databricks
2	2	12	4.5	48	20000.75	3355992476	databricks	2025-05-03 1...	databricks
3	3	78	6	60	15000	4060872917	databricks	2025-05-03 1...	databricks
4	4	34	3.5	24	30000.25	2847880128	databricks	2025-05-03 1...	databricks
5	5	56	5	36	25000	1867834730	databricks	2025-05-03 1...	databricks
6	6	23	4	48	17500.5	172242294	databricks	2025-05-03 1...	databricks
7	7	89	6.5	60	22500.75	1348082437	databricks	2025-05-03 1...	databricks
8	8	67	3	24	27500	4106075248	databricks	2025-05-03 1...	databricks
9	9	14	5.5	36	32500.25	3981072152	databricks	2025-05-03 1...	databricks
10	10	92	4.5	48	37500.5	888718168	databricks	2025-05-03 1...	databricks
11	11	3	6	60	10000.75	2179146733	databricks	2025-05-03 1...	databricks
12	12	81	3.5	24	20000	1426967511	databricks	2025-05-03 1...	databricks
13	13	29	5	36	15000.25	1193680727	databricks	2025-05-03 1...	databricks
14	14	64	4	48	30000.5	2167198012	databricks	2025-05-03 1...	databricks

Succeeded (0 sec 830 ms)

Columns: 10 Rows: 100

Transactions Output:

Home

Workspaces

Project_4

Bronze_layer

Gold_layer

Bronze_layer

NB_SCDtype

SCD Type1

Fabric

Bronze_layer

Search

Trial 58 days left

SQL analytics endpoint

Model layouts

This warehouse has semantic model. To automatically add objects, go to warehouse settings. To manually add objects, use Manage default semantic model. Learn more

Explorer

Warehouses

views

Functions

Stored Pr...

Gold_layer

Tables

Account

Custom

Loan_Pa

Loans1

Trans

Views

Functions

Transactions1

Data preview - Transactions1

Showing 1000 rows

Search

	123 transacti...	123 account_id	transacti...	12F transacti...	ABC transacti...	123 hash_key	ABC created_by	created_...	ABC updated
1	1	45	2024-01-01 0...	100.5	Deposit	2406044542	databricks	2025-05-03 1...	databricks
2	2	12	2024-01-02 0...	200.75	Withdrawal	199279155	databricks	2025-05-03 1...	databricks
3	3	78	2024-01-03 0...	150	Deposit	3923312757	databricks	2025-05-03 1...	databricks
4	4	34	2024-01-04 0...	300.25	Withdrawal	2322867790	databricks	2025-05-03 1...	databricks
5	5	56	2024-01-05 0...	250	Deposit	4026887228	databricks	2025-05-03 1...	databricks
6	6	23	2024-01-06 0...	175	Withdrawal	2653824275	databricks	2025-05-03 1...	databricks
7	7	89	2024-01-07 0...	225.5	Deposit	3405751124	databricks	2025-05-03 1...	databricks
8	8	67	2024-01-08 0...	275.75	Withdrawal	3123849049	databricks	2025-05-03 1...	databricks
9	9	14	2024-01-09 0...	325	Deposit	3476409956	databricks	2025-05-03 1...	databricks
10	10	92	2024-01-10 0...	375.25	Withdrawal	1204867088	databricks	2025-05-03 1...	databricks
11	11	3	2024-01-11 0...	100.5	Deposit	2959965610	databricks	2025-05-03 1...	databricks
12	12	81	2024-01-12 0...	200.75	Withdrawal	1602457069	databricks	2025-05-03 1...	databricks
13	13	29	2024-01-13 0...	150	Deposit	961666108	databricks	2025-05-03 1...	databricks
14	14	64	2024-01-14 0...	300.25	Withdrawal	134408623	databricks	2025-05-03 1...	databricks

Succeeded (1 sec 201 ms)

Columns: 10 Rows: 100