Outputs

SQL Tables before running the pipelines 🔗

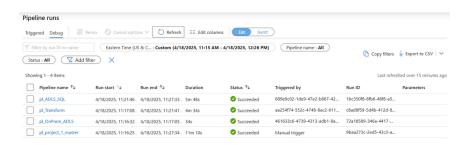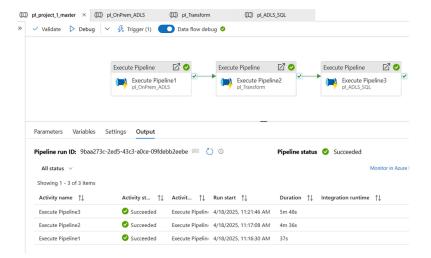**Dataset in an On-premise device in the backend** 🔗

Pipeline Run 1 -

🔗

pl_project_1_master ×   pl_OnPrem_ADLS   pl_Transform   pl_ADLS_SQL

» ✓ Validate   ▷ Debug   ∨   ⚡ Trigger (1)   ⬤ Data flow debug ✓

Execute Pipeline ↗ ✓	Execute Pipeline ↗ ✓	Execute Pipeline ↗ ✓
Execute Pipeline1 pl_OnPrem_ADLS	Execute Pipeline2 pl_Transform	Execute Pipeline3 pl_ADLS_SQL

Parameters   Variables   Settings   **Output**

Pipeline run ID: 9baa273c-2ed5-43c3-a0ce-09fdebb2eebe   🔄 ⓘ   Pipeline status ✓ Succeeded

All status ∨   Monitor in Azure

Showing 1 - 3 of 3 items

Activity name ↑↓	Activity st... ↑↓	Activit... ↑↓	Run start ↑↓	Duration ↑↓	Integration runtime ↑↓
Execute Pipeline3	✓ Succeeded	Execute Pipelin	4/18/2025, 11:21:46 AM	5m 48s	
Execute Pipeline2	✓ Succeeded	Execute Pipelin	4/18/2025, 11:17:08 AM	4m 36s	
Execute Pipeline1	✓ Succeeded	Execute Pipelin	4/18/2025, 11:16:30 AM	37s	

1. Bronze Layer output - ADLS 🔗

Location: medallion / bronze

Search blobs by prefix (case-sensitive)   ⬤ Show deleted objects

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
📁 [..]							...
📄 accounts.csv	4/18/2025, 11:16:53 ...	Hot (Inferred)		Block blob	2.28 KiB	Available	...
📄 customers.csv	4/18/2025, 11:16:53 ...	Hot (Inferred)		Block blob	4.5 KiB	Available	...
📄 loan_payments.csv	4/18/2025, 11:16:53 ...	Hot (Inferred)		Block blob	2.55 KiB	Available	...
📄 loans.csv	4/18/2025, 11:16:53 ...	Hot (Inferred)		Block blob	2.29 KiB	Available	...
📄 transactions.csv	4/18/2025, 11:16:53 ...	Hot (Inferred)		Block blob	3.43 KiB	Available	...

medallion/bronze

2. Silver Layer Output - ADLS 🔗

Location: medallion / silver / accounts

Search blobs by prefix (case-sensitive)   ⬤ Show deleted objects

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
📁 [..]							...
📄 _SUCCESS	4/18/2025, 11:21:16 ...	Hot (Inferred)		Block blob	0 B	Available	...
📄 part-00000-0e60815d-3a95-40e8-ba8e-063d2319...	4/18/2025, 11:21:11 ...	Hot (Inferred)		Block blob	2.13 KiB	Available	...

medallion/silver/accounts

Location: medallion / silver-backup / accounts

Search blobs by prefix (case-sensitive)   ⬤ Show deleted objects

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state	
📁 [..]							...
📄 part-00000-0e60815d-3a95-40e8-ba8e-063d2319...	4/18/2025, 11:21:11 ...	Hot (Inferred)		Block blob	2.13 KiB	Available	...

medallion/silver-backup/accounts

3. Gold Layer output - SQL Tables 🔗

▦ Results ⊡ Messages

	CustomerId	CustomerName	Address	City	State	Zip	CREATEDBY	UPDATEDBY	CREATEDDATE	UPDATEDDATE	HashKey	IsActive
1	1	John Doe	123 Elm St	Toronto	ON	M4B1B3	dataflow	dataflow	2025-04-18 15:24:58.513	2025-04-18 15:24:58.513	4180397223	1
2	2	Jane Smith	456 Maple Ave	Ottawa	ON	K1A0B1	dataflow	dataflow	2025-04-18 15:24:58.513	2025-04-18 15:24:58.513	3540082337	1
3	3	Michael Johnson	789 Oak Dr	Montreal	QC	H1A1A1	dataflow	dataflow	2025-04-18 15:24:58.513	2025-04-18 15:24:58.513	468439436	1
4	4	Emily Davis	101 Pine Rd	Calgary	AB	T2A0A1	dataflow	dataflow	2025-04-18 15:24:58.513	2025-04-18 15:24:58.513	2274553818	1
5	5	David Wilson	202 Birch Blvd	Vancouver	BC	V5K0A1	dataflow	dataflow	2025-04-18 15:24:58.513	2025-04-18 15:24:58.513	4094067540	1

	AccountId	CustomerId	AccountType	Balance	CREATEDBY	UPDATEDBY	CREATEDDATE	UPDATEDDATE	HashKey	IsActive
1	45		Savings	1000.50	dataflow	dataflow	2025-04-18 15:26:11.467	2025-04-18 15:26:11.467	2454403084	1
2	2	12	Checking	2500.75	dataflow	dataflow	2025-04-18 15:26:11.467	2025-04-18 15:26:11.467	796571617	1
3	3	78	Savings	1500.00	dataflow	dataflow	2025-04-18 15:26:11.467	2025-04-18 15:26:11.467	199654578	1
4	34		Checking	3000.25	dataflow	dataflow	2025-04-18 15:26:11.467	2025-04-18 15:26:11.467	761699333	1
5	5	56	Savings	500.00	dataflow	dataflow	2025-04-18 15:26:11.467	2025-04-18 15:26:11.467	3886787448	1

	LoanId	CustomerId	LoanAmount	InterestRate	LoanTerm	CREATEDBY	UPDATEDBY	CREATEDDATE	UPDATEDDATE	HashKey	IsActive
1	45		10000.5	5.5	36	dataflow	dataflow	2025-04-18 15:24:49.523	2025-04-18 15:24:49.523	2502041691	1
2	2	12	20000.75	4.5	48	dataflow	dataflow	2025-04-18 15:24:49.523	2025-04-18 15:24:49.523	3355992476	1
3	3	78	15000	6	60	dataflow	dataflow	2025-04-18 15:24:49.523	2025-04-18 15:24:49.523	4060872917	1
4	34		30000.25	3.5	24	dataflow	dataflow	2025-04-18 15:24:49.523	2025-04-18 15:24:49.523	2847880128	1
5	56		25000	5	36	dataflow	dataflow	2025-04-18 15:24:49.523	2025-04-18 15:24:49.523	1867834730	1
6	23		17500.5	4	48	dataflow	dataflow	2025-04-18 15:24:49.523	2025-04-18 15:24:49.523	172242294	1

	PaymentId	LoanId	PaymentDate	PaymentAmount	CREATEDBY	UPDATEDBY	CREATEDDATE	UPDATEDDATE	HashKey
1	45		2024-01-01 00:00:00.000	100	dataflow	dataflow	2025-04-18 15:26:26.873	2025-04-18 15:26:26.873	3577819579
2	23		2024-01-02 00:00:00.000	150	dataflow	dataflow	2025-04-18 15:26:26.873	2025-04-18 15:26:26.873	3527819579
3	67		2024-01-03 00:00:00.000	200	dataflow	dataflow	2025-04-18 15:26:26.873	2025-04-18 15:26:26.873	2606163437
4	89		2024-01-04 00:00:00.000	250	dataflow	dataflow	2025-04-18 15:26:26.873	2025-04-18 15:26:26.873	4234003915
5	12		2024-01-05 00:00:00.000	300	dataflow	dataflow	2025-04-18 15:26:26.873	2025-04-18 15:26:26.873	129030288
6	34		2024-01-06 00:00:00.000	350	dataflow	dataflow	2025-04-18 15:26:26.873	2025-04-18 15:26:26.873	202890869

	TransactionId	AccountId	TransactionDate	TransactionAmount	TransactionType	CREATEDBY	UPDATEDBY	CREATEDDATE	UPDATEDDATE	HashKey
1	45		2024-01-01 00:00:00.000	100.5	Deposit	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	2815653516
2	12		2024-01-02 00:00:00.000	200.75	Withdrawal	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	1506292803
3	78		2024-01-03 00:00:00.000	150	Deposit	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	4269678801
4	34		2024-01-04 00:00:00.000	300.25	Withdrawal	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	1611724583
5	56		2024-01-05 00:00:00.000	250	Deposit	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	1652100064
6	23		2024-01-06 00:00:00.000	175	Withdrawal	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	2673860594
7	89		2024-01-07 00:00:00.000	225.5	Deposit	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	2070922197
8	67		2024-01-08 00:00:00.000	275.75	Withdrawal	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	1069795525
9	14		2024-01-09 00:00:00.000	325	Deposit	dataflow	dataflow	2025-04-18 15:22:12.620	2025-04-18 15:22:12.620	805144104

✓ Query executed successfully.   🖥 sqlpriyaserver.database.win... | sqladmin (85) | gold | 00:00:01 | 486 rows

Dataset input for pipeline run 2 -

account_id,customer_id,account_type,balance
1,45,Savings,1000.50
1,45,Savings,1000.50
2,12,Checking,2500.75
2,12,Checking,2500.75
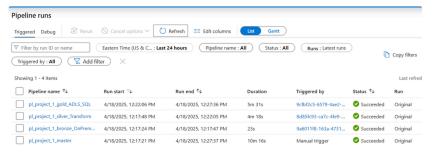3,78,Checking,1500.00
4,34,Savings,300.25
5,56,,5000.00

Added duplicates, nulls and updates in accounts.csv file

payment_id,loan_id,payment_date,payment_amount
1,45,2024-01-01,100.00
1,45,2024-01-01,100.00
2,23,2024-01-02,150.00
2,23,2024-01-02,150.00
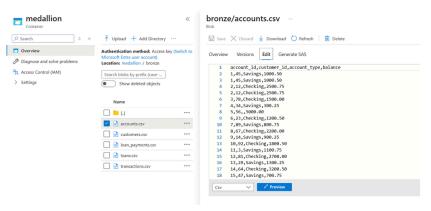3,67,2024-01-05,200.00
4,89,2024-01-04,200.00
5,12,2024-01-05,

Added duplicates, nulls and updates in loan_payments.csv file

Pipeline Run 2 - 🔗

1. Bronze Layer output - ADLS 🔗

medallion/bronze/account.csv

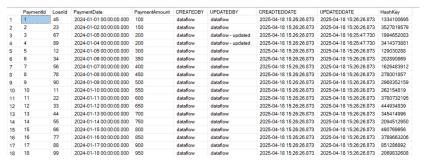**2. Silver Layer Output - ADLS** 🔗

medallion/silver-backup/accounts/
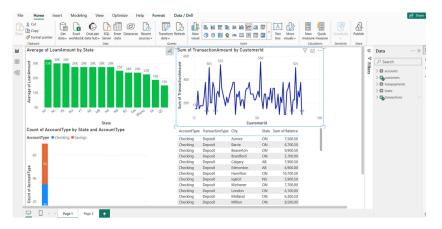
3. Gold Layer output - SQL Tables 🔗

accounts table

loanpayments table

Power BI Report created in Power BI Desktop 🔗

Power BI report published to Microsoft Fabric 🔗

File   Export   Share   Explore   Subscribe   Set alert   Edit   ...   Copilot

Average of LoanAmount by State

Sum of TransactionAmount by CustomerId

Count of AccountType by State and AccountType

AccountType   ● Checking   ● Savings

AccountType	TransactionType	City	State	Sum of Balance
Checking	Deposit	Aurora	ON	7,500.50
Checking	Deposit	Barrie	ON	6,700.50
Checking	Deposit	Beaverton	ON	9,900.50
Checking	Deposit	Brantford	ON	5,700.00
Checking	Deposit	Calgary	AB	7,900.50
Checking	Deposit	Edmonton	AB	6,900.00
Checking	Deposit	Hamilton	ON	10,700.50
Checking	Deposit	Iqaluit	NU	5,900.50
Checking	Deposit	Kitchener	ON	7,700.00
Checking	Deposit	London	ON	6,100.00
Checking	Deposit	Midland	ON	6,300.50
Checking	Deposit	Milton	ON	8,500.00
Checking	Deposit	Newmarket	ON	5,500.50
Checking	Deposit	Orangeville	ON	9,500.50
Checking	Deposit	Ottawa	ON	8,900.00
Checking	Deposit	Peterborough	ON	8,100.00
Checking	Deposit	Port Perry	ON	9,700.00
Checking	Deposit	Quebec City	QC	5,300.00
Total				296,012.25