UP
24

Microsoft Fabric

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What are we talking about?

01

Why: Data and Analytics strategy

02

What: Introduction to Microsoft Fabric

03

How: Practical implementation for today and tomorrow

04

Q&A

01 Why?

Data and Analytics Strategy

EVOLVE BEYOND REPORTING

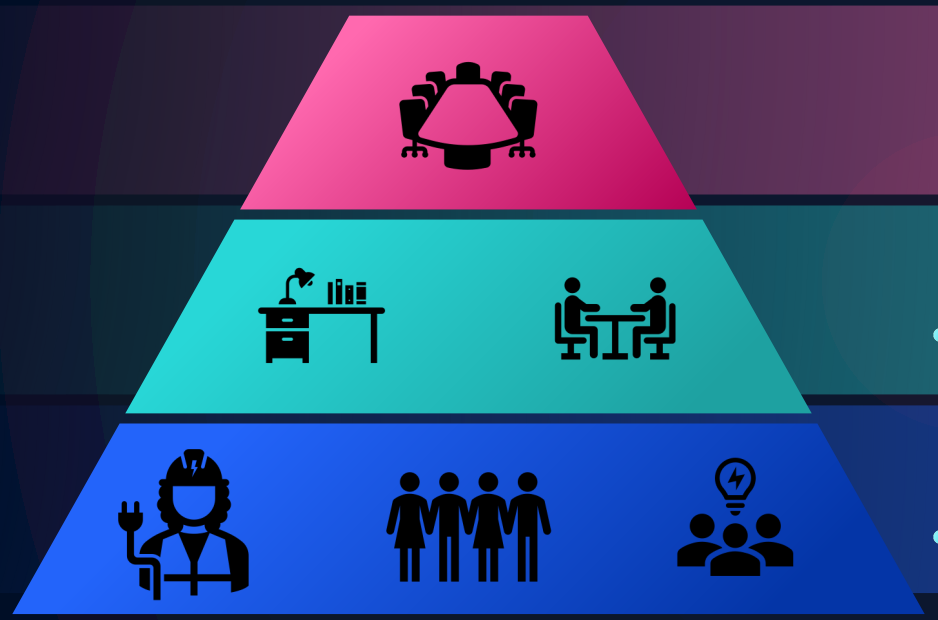
Traditional reporting

Discovery

Intervention

Typical Analytics Needs in Organisations

Data aggregation



Leadership

Performance, exception reporting, trends. KPIs, dashboards, financial reporting

03

Management

Operational summaries, trends and projections. Reports and ad-hoc analysis

02

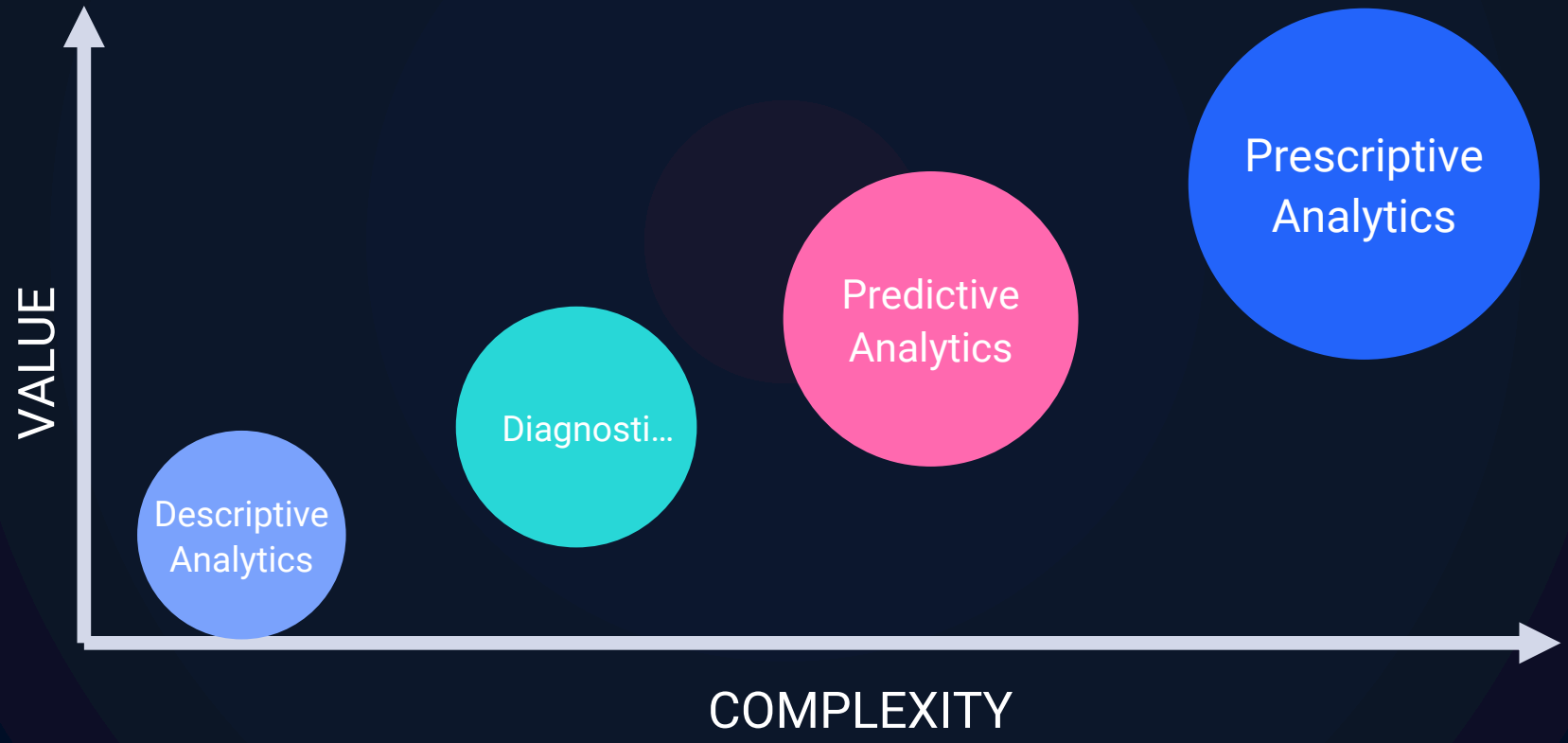
Staff

Operational detail, task-based data for immediate action

01

Organizational hierarchy

Types of Analytics



02 What?

Introduction to Microsoft Fabric

GARTNER

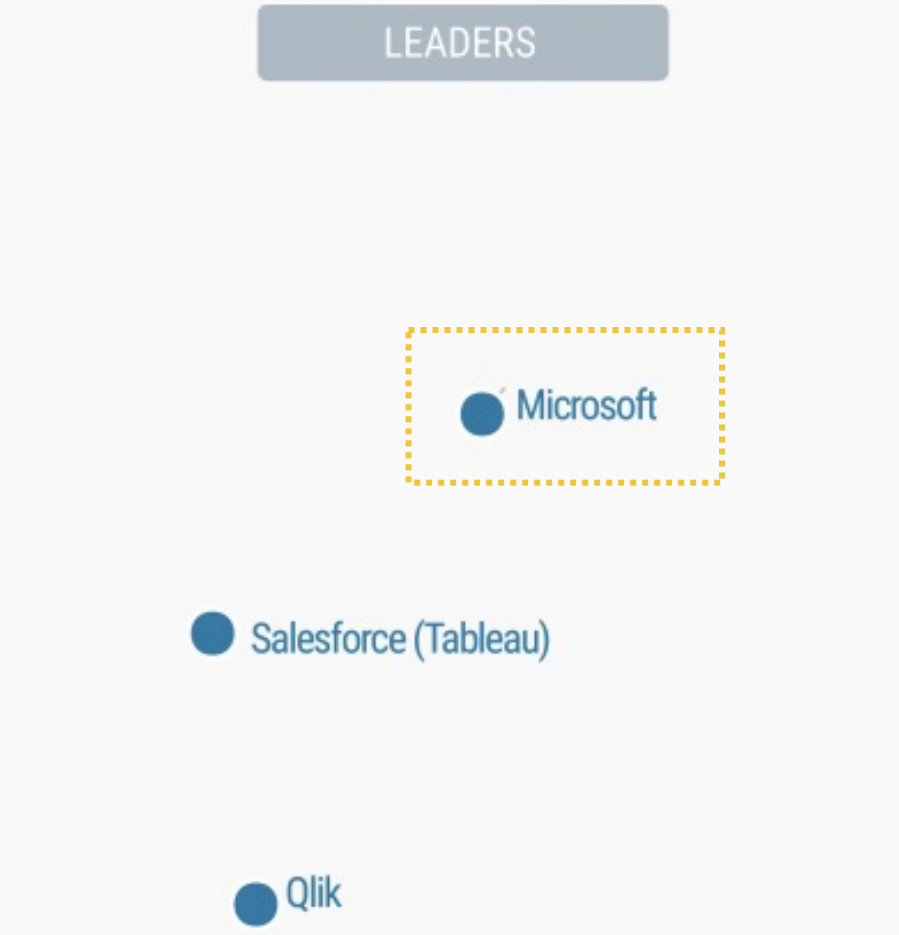
Magic quadrant for analytics platforms

Figure 1: Magic Quadrant for Analytics and Business Intelligence Platforms

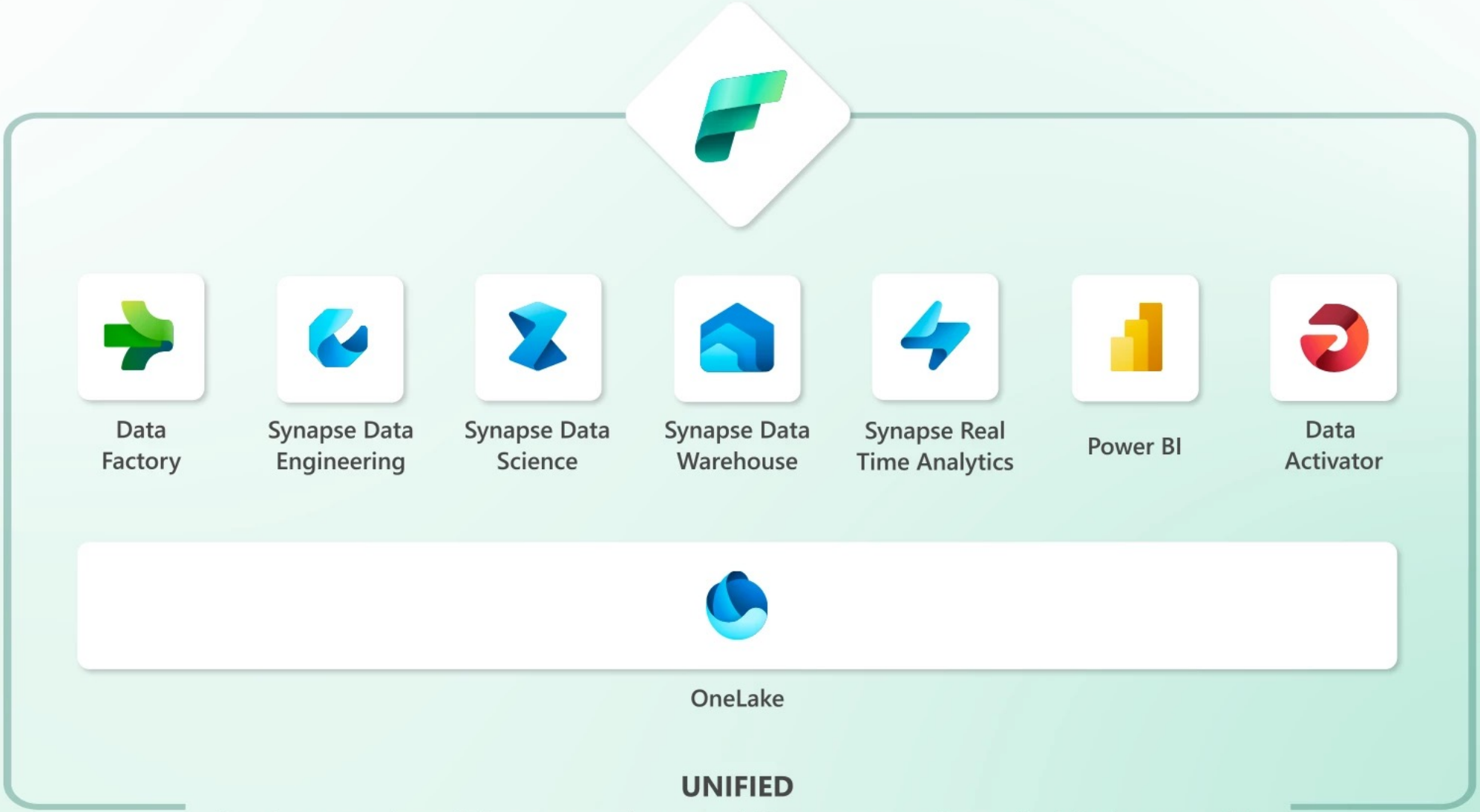
Source: Gartner (March 2022)

GARTNER

Magic quadrant for analytics platforms

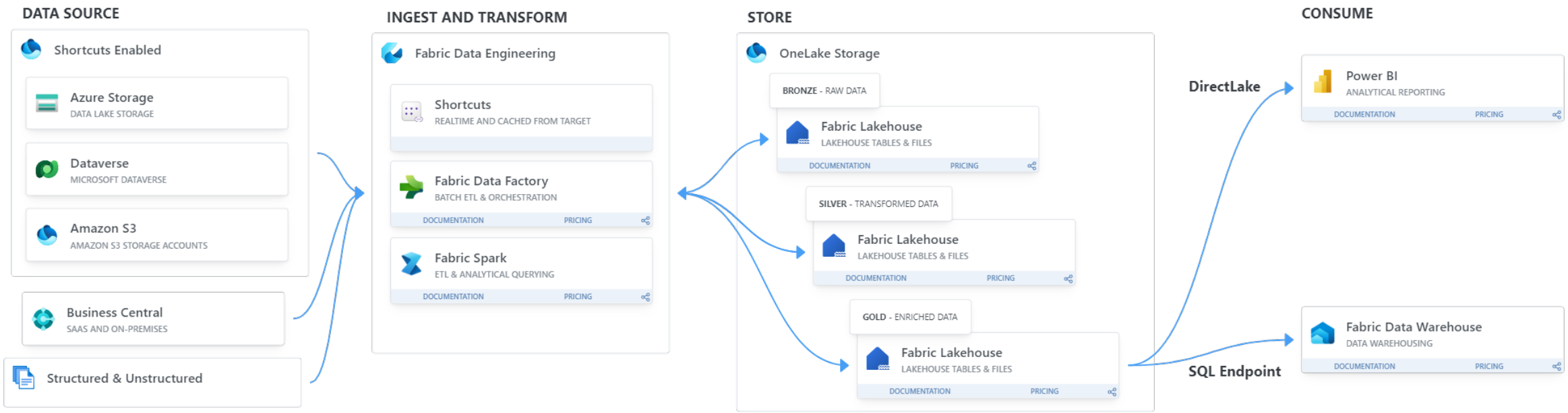


Microsoft Fabric



03 How?

Practical implementation


DATA SOURCE
Shortcuts Enabled
Azure Storage
DATA LAKE STORAGE
Dataverse
MICROSOFT DATAVERSE
Amazon S3
AMAZON S3 STORAGE ACCOUNTS
Business Central
SAAS AND ON-PREMISES
Structured & Unstructured
INGEST AND TRANSFORM
Fabric Data Engineering
Shortcuts
REALTIME AND CACHED FROM TARGET
Fabric Data Factory
BATCH ETL & ORCHESTRATION
DOCUMENTATION
PRICING
Fabric Spark
ETL & ANALYTICAL QUERYING
DOCUMENTATION
PRICING
STORE
OneLake Storage
BRONZE - RAW DATA
Fabric Lakehouse
LAKEHOUSE TABLES & FILES
DOCUMENTATION
PRICING
SILVER - TRANSFORMED DATA
Fabric Lakehouse
LAKEHOUSE TABLES & FILES
DOCUMENTATION
PRICING
GOLD - ENRICHED DATA
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LAKEHOUSE TABLES & FILES
DOCUMENTATION
PRICING
CONSUME
DirectLake
Power BI
ANALYTICAL REPORTING
DOCUMENTATION
PRICING
SQL Endpoint
Fabric Data Warehouse
DATA WAREHOUSING
DOCUMENTATION
PRICING

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New

Current workspace: **Fabric - Sandbox**

Items will be saved to this workspace.

Data Activator

Monitor data to trigger alerts and automated actions so your organization adapts to changing conditions in real time.

Reflex (Preview)

Monitor datasets, queries, and event streams for patterns to trigger actions and alerts.

Reflex sample (Preview)

Monitor datasets, queries, and event streams for patterns to trigger actions and alerts with sample data.

Data Engineering

Create a lakehouse and operationalize your workflow to build, transform, and share your data estate.

Lakehouse

Store big data for cleaning, querying, reporting, and sharing.

Notebook

Explore data and build machine learning solutions with Apache Spark applications.

Environment (Preview)

Set up shared libraries, Spark compute settings, and resources for notebooks and Spark job definitions.

Spark Job Definition

Define, schedule, and manage your Apache Spark jobs for big data processing.

Data Factory

Empower your organization to get value from data faster than ever.

Dataflow Gen2

Prep, clean, and transform data.

Data pipeline

Ingest data at scale and schedule data workflows.

Data Science

Use machine learning to detect trends, identify outliers, and predict values from your data. Learn more

ML model

Use machine learning models to predict outcomes and detect anomalies in data.

Experiment

Create, run, and track development of multiple models for validating hypotheses.

Notebook

Explore data and build machine learning solutions with Apache Spark applications.

Environment (Preview)

Set up shared libraries, Spark compute settings, and resources for notebooks and Spark job definitions.

Data Warehouse

Provide strategic insights from multiple sources into your entire business. Learn more

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Data Warehouse

Provide strategic insights from multiple sources into your entire business. Learn more

Warehouse

Provide strategic insights from multiple sources into your entire business.

Industry Solutions

Get a head start with industry-relevant connectors, transformations, and scenario-specific tools.

Sustainability solutions (Preview)

Solutions to help unify, harmonize and transform environmental, social, and governance data from disparate data sources to accelerate analytics and regulatory reporting for your business.

Retail solutions (Preview)

With Retail data solutions, manage retail data at scale to improve customer experience and drive operational efficiency across the organization.

Healthcare solutions (Preview)

Use advanced AI analytics to help close care gaps, generate new insights, enhance patient care and improve outcomes.

Power BI

Use data to find insights, track progress, and make decisions faster. Learn more

Report

Create an interactive presentation of your data.

Paginated report

Display tabular data in a report that's easy to print and share.

Scorecard

Define, track, and share key metrics for your organization.

Dashboard

Build a single-page data story.

Dataflow

Prep, clean, and transform data.

Datamart (Preview)

Provide strategic insights from multiple sources into your business-focused or departmental data.

Streaming dataset

Build visuals from real-time data.

Streaming dataflow

Combine and transform streaming data.

Real-Time Analytics

Find insights, track progress, and make decisions faster.

Eventhouse (Preview)

Rapidly load structured, unstructured and streaming data for querying.

KQL Database

Rapidly load structured, unstructured, and streaming data for querying.

KQL Queryset

Run queries on your data to produce shareable tables and visuals.

Eventstream

Capture, transform, and route real-time event stream to various destinations in desired format with no-code experience.

Get data | Enter data | Manage connections | Options | Manage parameters | Refresh | Properties | Advanced editor | Manage | Add data destination | Choose columns | Remove columns | Keep rows | Remove rows | Filter rows | Split column | Group by | Data type: Whole number | Use first row as headers | Replace values | Merge queries | Append queries | Combine files | Map to entity | Export template

Queries [6]

- Sales
- Store
- Item
- Weather
- Customer
- Date

```
Table.TransformColumnTypes(#"Promoted headers", {{"Store No_", Int64.Type}, {"POS Terminal No_", type text}, {"Transaction No_", Int64.Type}, {"Line No_", Int64.Type}, {"Item No_", Int64.
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2	4	P0005	30000350	30000	213	31669966	37.5	30	1	0	30	13/10/2019	16	01/01/1754, 16:
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4	7	P0006	30000118	1	181	31987987	0.9	0.72	1	0	0.4	13/10/2019	9	01/01/1754, 09:
5	7	P0006	30000118	2	3	44020	0.13	0.1	-1	0	-0.1	13/10/2019	9	01/01/1754, 09:
6	7	P0006	30000118	3	157	27090917	0.85	0.85	1	0	0.5	13/10/2019	9	01/01/1754, 09:
7	7	P0006	30000118	4	57	34010100	0.85	0.85	1	0	0.5	13/10/2019	9	01/01/1754, 09:
8	3	P0003	20000009	1	29	34010100	1.3	1.3	1	0	0.7	12/10/2019	14	01/01/1754, 14:
9	3	P0003	20000009	2	298	40000	2.8	2.8	6	0	12	12/10/2019	14	01/01/1754, 14:
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11	8	P0005	30000100	2	283	45979797	1.08	0.86	1	0	0.52	12/10/2019	15	01/01/1754, 15:
12	8	P0005	30000100	3	133	49525252	0.13	0.1	-1	0	-0.1	12/10/2019	15	01/01/1754, 15:
13	1	P0010	40000091	1	88	31987987	14	14	0.2	0	1.9	12/10/2019	18	01/01/1754, 18:
14	1	P0010	40000091	2	133	31987987	0.78	0.78	1	0	0.52	12/10/2019	18	01/01/1754, 18:
15	1	P0010	40000091	3	141	31987987	0.78	0.78	1	0	0.52	12/10/2019	18	01/01/1754, 18:
16	1	P0010	40000091	4	268	31987987	0.78	0.78	1	0	0.52	12/10/2019	18	01/01/1754, 18:
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18	1	P0010	40000091	6	338	31987987	0.78	0.78	1	0	0.52	12/10/2019	18	01/01/1754, 18:
19	3	P0007	40000007	1	192	1445544	0.9	0.72	1	0	0.4	12/10/2019	14	01/01/1754, 14:
20	3	P0007	40000007	2	112	44171511	0.13	0.1	-1	0	-0.1	12/10/2019	14	01/01/1754, 14:
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22	3	P0007	40000007	4	133	79244006	0.85	0.85	1	0	0.5	12/10/2019	14	01/01/1754, 14:
23	5	P0001	7	10000	19	41597832	15	12	1	0	0.5	12/10/2019	13	01/01/1754, 13:
24	5	P0001	2	10000	171	49633663	1.2	0.96	1	0	0.9	12/10/2019	10	01/01/1754, 10:
25	5	P0011	1000022	10000	82	45060	12.5	10	1	0	1.89015	12/10/2019	14	01/01/1754, 14:
26	5	P0011	1000022	20000	326	41231215	6.25	5	1	0	2.146	12/10/2019	14	01/01/1754, 14:
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29	5	P0008	40000128	2	78	47563218	38	38	1	0	27	12/10/2019	22	01/01/1754, 22:
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31	5	P0018	5	20000	338	31669966	4	3.2	1	0	2	12/10/2019	12	01/01/1754, 12:
32	5	P0005	30000283	10000	345	33002984	28	22.4	1	0	0	11/10/2019	11	01/01/1754, 11:
33	5	P0005	30000283	20000	217	33002984	125	100	1	12.5	160	11/10/2019	11	01/01/1754, 11:
34	5	P0005	30000283	30000	315	33002984	37.5	30	1	3.75	50	11/10/2019	11	01/01/1754, 11:

Query settings

Properties

Name: Sales

Entity type: Custom

Applied steps

- Source
- Navigation 1
- Promoted ...
- Changed c...

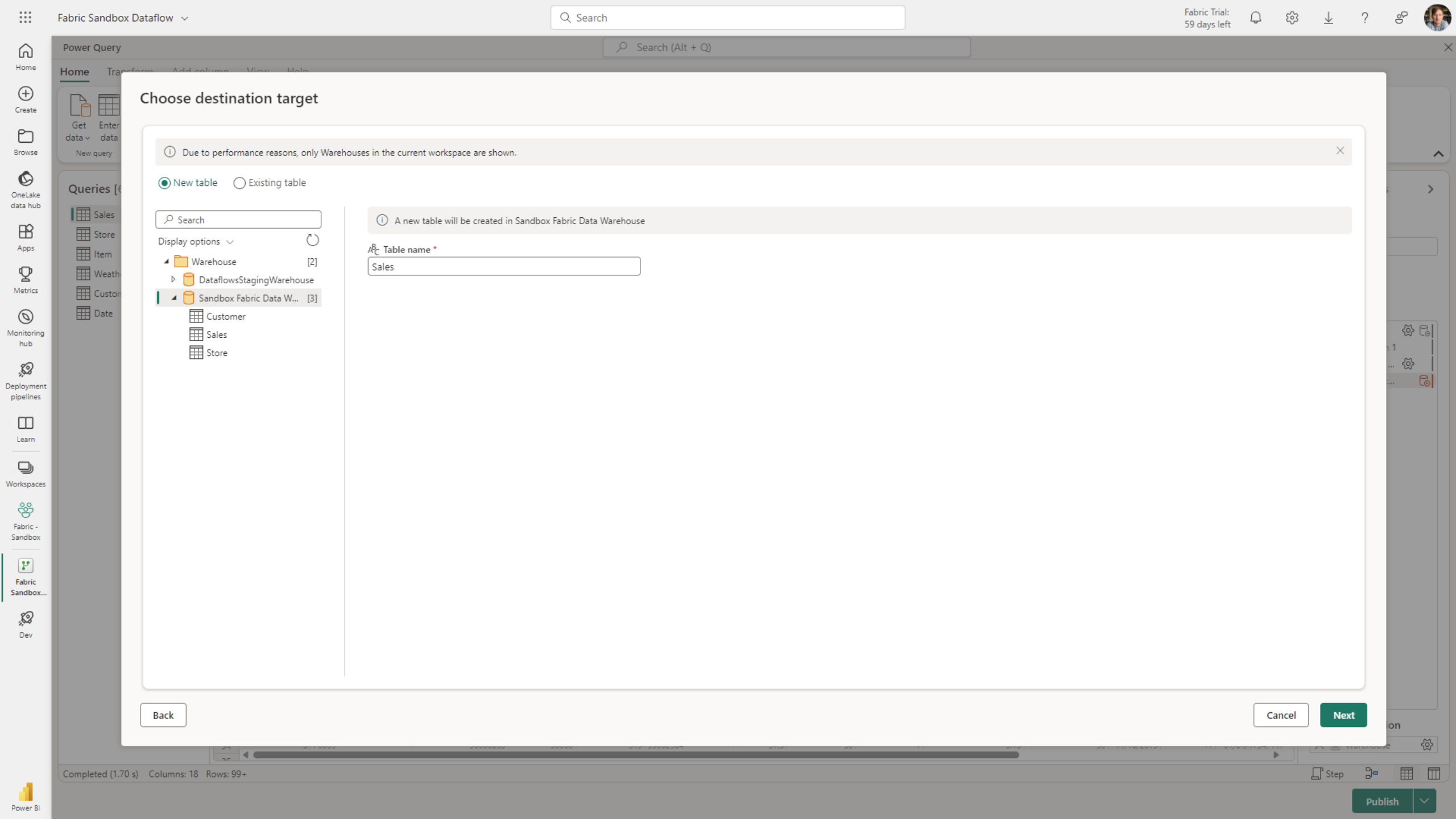
Data destination

- Warehouse

Completed (1.70 s) Columns: 18 Rows: 99+

Step

Publish


Fabric Sandbox Dataflow
Search
Fabric Trial:
59 days left
Power Query
Search (Alt + Q)
Home
Transform
Add column
View
Help
Get data
Enter data
New query
Queries
Sales
Store
Item
Weath
Custor
Date
Choose destination target
Due to performance reasons, only Warehouses in the current workspace are shown.
New table
Existing table
Search
Display options
Warehouse [2]
DataflowsStagingWarehouse
Sandbox Fabric Data W... [3]
Customer
Sales
Store
A new table will be created in Sandbox Fabric Data Warehouse
Table name *
Sales
Back
Cancel
Next
Completed (1.70 s)
Columns: 18
Rows: 99+
Step
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Fabric Sandbox...
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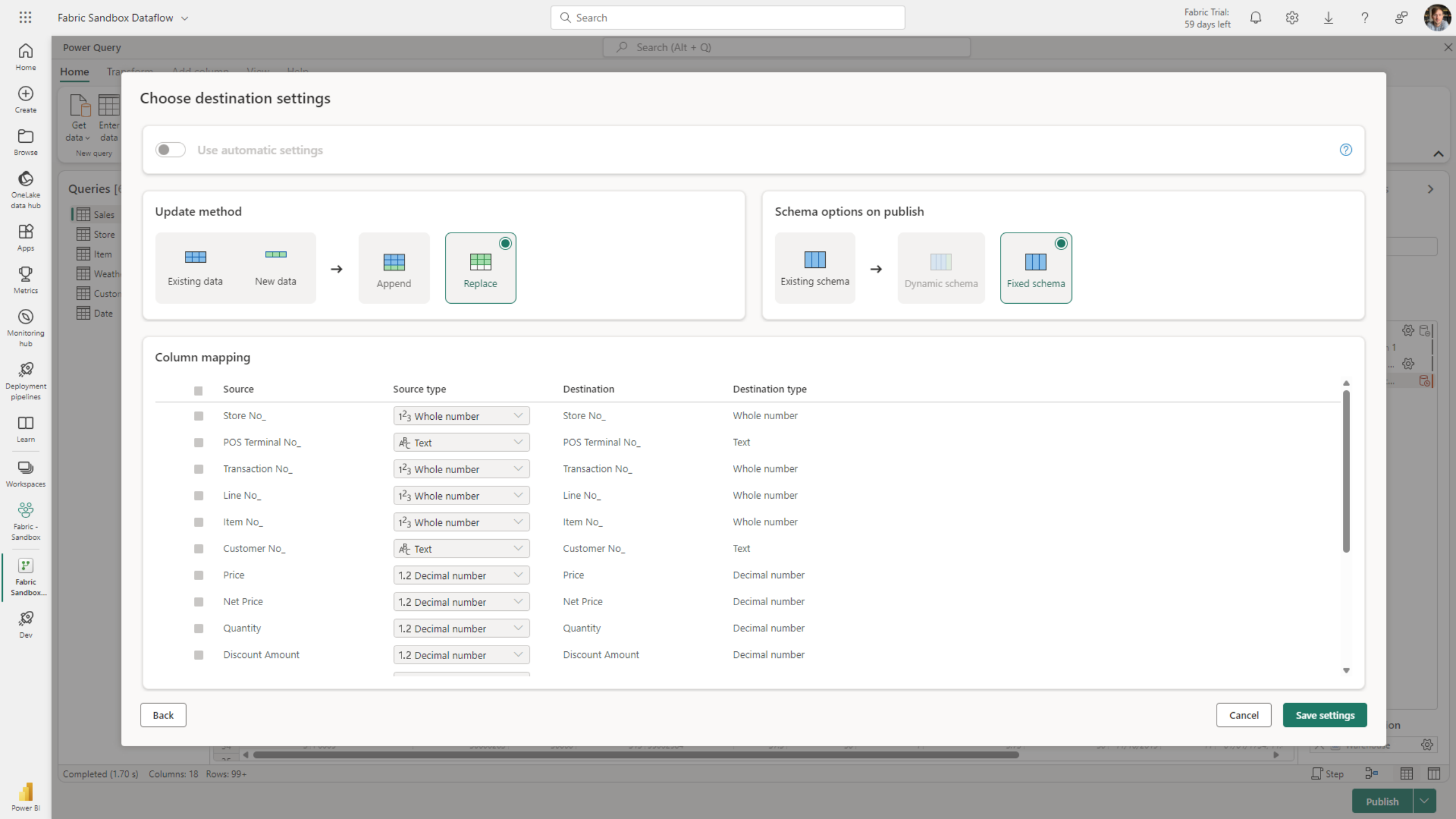
Fabric Sandbox Dataflow
Search
Fabric Trial:
59 days left
Power Query
Search (Alt + Q)
Home
Transform
Add column
View
Help
Get data
Enter data
New query
Queries
Sales
Store
Item
Weath
Custor
Date
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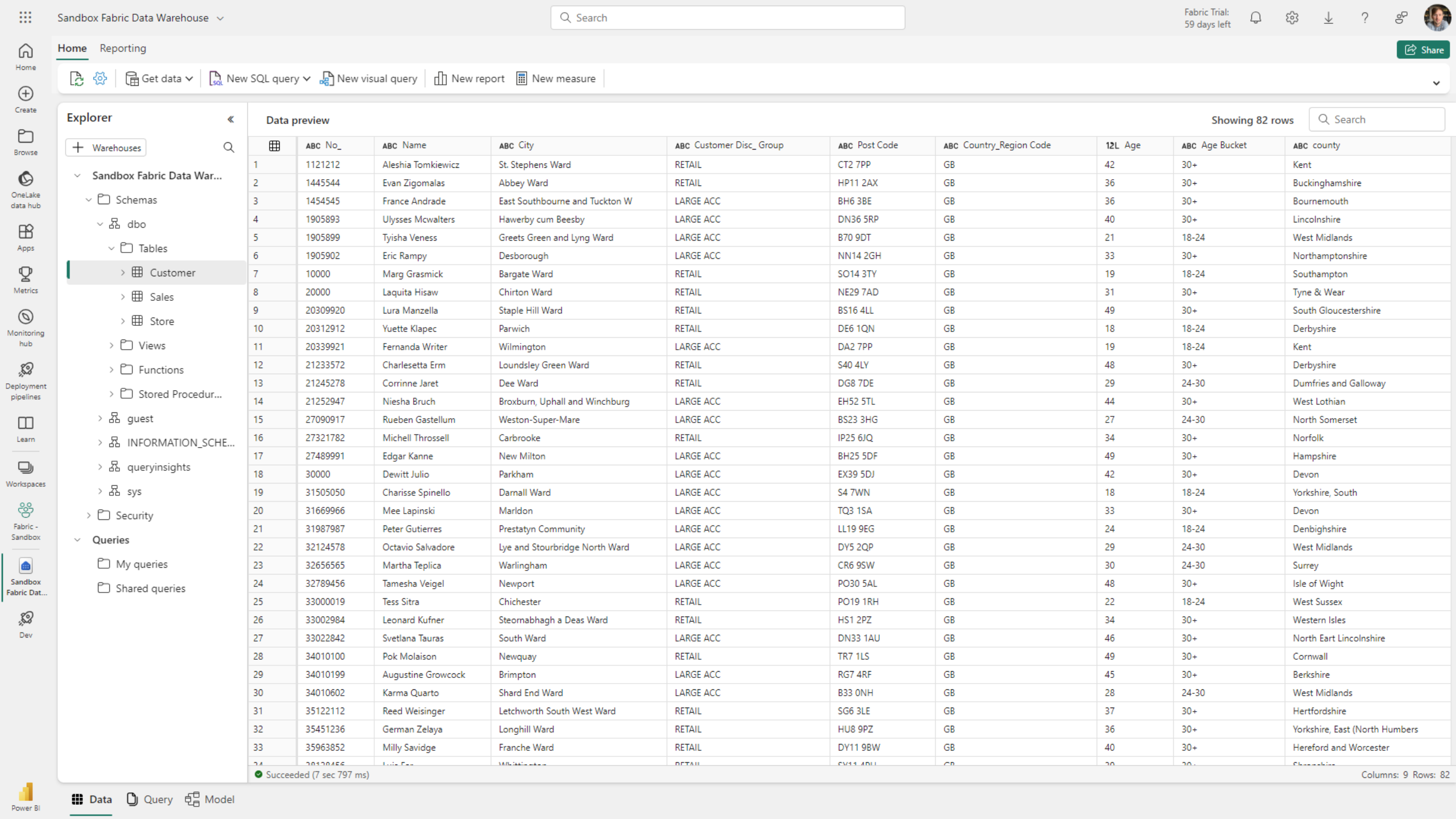
Fabric Sandbox...
Dev
Power BI
Choose destination settings
Use automatic settings
Update method
Existing data
New data
Append
Replace
Schema options on publish
Existing schema
Dynamic schema
Fixed schema
Column mapping
Source
Source type
Destination
Destination type
Store No_
Whole number
Store No_
Whole number
POS Terminal No_
Text
POS Terminal No_
Text
Transaction No_
Whole number
Transaction No_
Whole number
Line No_
Whole number
Line No_
Whole number
Item No_
Whole number
Item No_
Whole number
Customer No_
Text
Customer No_
Text
Price
1.2 Decimal number
Price
Decimal number
Net Price
1.2 Decimal number
Net Price
Decimal number
Quantity
1.2 Decimal number
Quantity
Decimal number
Discount Amount
1.2 Decimal number
Discount Amount
Decimal number
Back
Cancel
Save settings
Completed (1.70 s)
Columns: 18
Rows: 99+
Step
Publish



	No_	Name	City	Customer Disc_ Group	Post Code	Country_Region Code	Age	Age Bucket	county
1	1121212	Aleshia Tomkiewicz	St. Stephens Ward	RETAIL	CT2 7PP	GB	42	30+	Kent
2	1445544	Evan Zigomalas	Abbey Ward	RETAIL	HP11 2AX	GB	36	30+	Buckinghamshire
3	1454545	France Andrade	East Southbourne and Tuckton W	LARGE ACC	BH6 3BE	GB	36	30+	Bournemouth
4	1905893	Ulysses Mcwalters	Hawerby cum Beesby	LARGE ACC	DN36 5RP	GB	40	30+	Lincolnshire
5	1905899	Tyisha Veness	Greets Green and Lyng Ward	LARGE ACC	B70 9DT	GB	21	18-24	West Midlands
6	1905902	Eric Rampy	Desborough	LARGE ACC	NN14 2GH	GB	33	30+	Northamptonshire
7	10000	Marg Grasmick	Bargate Ward	RETAIL	SO14 3TY	GB	19	18-24	Southampton
8	20000	Laquita Hisaw	Chirton Ward	RETAIL	NE29 7AD	GB	31	30+	Tyne & Wear
9	20309920	Lura Manzella	Staple Hill Ward	RETAIL	BS16 4LL	GB	49	30+	South Gloucestershire
10	20312912	Yuette Klapec	Parwich	RETAIL	DE6 1QN	GB	18	18-24	Derbyshire
11	20339921	Fernanda Writer	Wilmington	LARGE ACC	DA2 7PP	GB	19	18-24	Kent
12	21233572	Charlesetta Erm	Loundsley Green Ward	RETAIL	S40 4LY	GB	48	30+	Derbyshire
13	21245278	Corrinne Jaret	Dee Ward	RETAIL	DG8 7DE	GB	29	24-30	Dumfries and Galloway
14	21252947	Niesha Bruch	Broxburn, Uphall and Winchburg	LARGE ACC	EH52 5TL	GB	44	30+	West Lothian
15	27090917	Rueben Gastellum	Weston-Super-Mare	LARGE ACC	BS23 3HG	GB	27	24-30	North Somerset
16	27321782	Michell Throssell	Carbrooke	RETAIL	IP25 6JQ	GB	34	30+	Norfolk
17	27489991	Edgar Kanne	New Milton	LARGE ACC	BH25 5DF	GB	49	30+	Hampshire
18	30000	Dewitt Julio	Parkham	LARGE ACC	EX39 5DJ	GB	42	30+	Devon
19	31505050	Charisse Spinello	Darnall Ward	LARGE ACC	S4 7WN	GB	18	18-24	Yorkshire, South
20	31669966	Mee Lapinski	Marldon	LARGE ACC	TQ3 1SA	GB	33	30+	Devon
21	31987987	Peter Gutierres	Prestatyn Community	LARGE ACC	LL19 9EG	GB	24	18-24	Denbighshire
22	32124578	Octavio Salvadore	Lye and Stourbridge North Ward	LARGE ACC	DY5 2QP	GB	29	24-30	West Midlands
23	32656565	Martha Teplica	Warlingham	LARGE ACC	CR6 9SW	GB	30	24-30	Surrey
24	32789456	Tamesha Veigel	Newport	LARGE ACC	PO30 5AL	GB	48	30+	Isle of Wight
25	33000019	Tess Sitra	Chichester	RETAIL	PO19 1RH	GB	22	18-24	West Sussex
26	33002984	Leonard Kufner	Steornabhagh a Deas Ward	RETAIL	HS1 2PZ	GB	34	30+	Western Isles
27	33022842	Svetlana Tauras	South Ward	LARGE ACC	DN33 1AU	GB	46	30+	North Eart Lincolnshire
28	34010100	Pok Molaison	Newquay	RETAIL	TR7 1LS	GB	49	30+	Cornwall
29	34010199	Augustine Growcock	Brimpton	LARGE ACC	RG7 4RF	GB	45	30+	Berkshire
30	34010602	Karma Quarto	Shard End Ward	LARGE ACC	B33 0NH	GB	28	24-30	West Midlands
31	35122112	Reed Weisinger	Letchworth South West Ward	RETAIL	SG6 3LE	GB	37	30+	Hertfordshire
32	35451236	German Zelaya	Longhill Ward	RETAIL	HU8 9PZ	GB	36	30+	Yorkshire, East (North Humbers
33	35963852	Milly Savidge	Franche Ward	RETAIL	DY11 9BW	GB	40	30+	Hereford and Worcester

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    - dbo
      - Tables
        - Customer
        - Sales
        - Store
      - Views
      - Functions
      - Stored Procedur...
    - guest
    - INFORMATION_SCHE...
    - queryinsights
    - sys
  - Security
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  - My queries
  - Shared queries

Data preview

Showing 1000 rows

Search

	12L Store No_	ABC POS Terminal No_	12L Transaction No_	12L Line No_	12L Item No_	ABC Customer No_	1.2 Price	1.2 Net Price	1.2 Quantity	1.2 Discount Amount	1.2 Cost Amount	Date	12L
1	4	P0001	218	10000	279	40000	37.5	30	1	3.75	50	2019-08-26	16
2	2	P0007	40000225	30000	186	33002984	37.5	30	1	3.75	50	2019-08-26	16
3	5	P0005	30000283	30000	164	33002984	37.5	30	1	3.75	50	2019-08-26	11
4	1	P0005	30000183	30000	344	45080	37.5	30	1	3.75	50	2019-08-26	13
5	7	P0005	30000262	30000	36	31669966	37.5	30	1	3.75	50	2019-08-26	10
6	5	P0005	30000172	30000	76	45779977	37.5	30	1	3.75	50	2019-08-26	13
7	1	P0005	30000272	30000	22	38632147	37.5	30	1	3.75	50	2019-08-26	10
8	1	P0005	30000340	40000	48	49858585	37.5	30	1	3.75	50	2019-08-26	14
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12	7	P0005	30000218	50000	332	45090	118.75	95	1	29.69	0	2019-08-26	9
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14	8	P0005	30000248	30000	167	27090917	118.75	95	1	29.69	0	2019-08-26	10
15	3	P0005	30000170	70000	80	79244006	118.75	95	1	29.69	0	2019-08-26	13
16	4	P0005	30000191	30000	220	20309920	118.75	95	1	29.69	0	2019-08-26	13
17	8	P0005	30000275	30000	110	46897889	118.75	95	1	29.69	0	2019-08-26	10
18	2	P0001	111	10000	23	27489991	91	72.8	1	9.1	52	2019-08-26	11
19	2	P0001	108	10000	17	1905893	91	72.8	1	9.1	52	2019-08-26	11
20	3	P0001	104	10000	122	21233572	91	72.8	1	9.1	52	2019-08-26	11
21	3	P0001	143	10000	294	49633663	91	72.8	1	18.2	52	2019-08-26	13
22	8	P0001	96	10000	276	46525241	5000	4000	1	500	350.593999	2019-08-26	11
23	6	P0001	102	10000	16	1445544	5000	4000	1	500	350.593999	2019-08-26	11
24	6	P0001	135	10000	226	34010602	1.3	1.04	1	0.16	0.7	2019-08-26	13
25	3	P0001	143	20000	177	45090	80	64	1	16	38.6	2019-08-26	13
26	2	P0001	111	20000	153	27489991	13.75	11	1	1.38	9	2019-08-26	11
27	4	P0001	108	20000	73	1905893	13.75	11	1	1.38	9	2019-08-26	11
28	1	P0001	104	20000	125	21233572	5000	4000	1	500	350.593999	2019-08-26	11
29	3	P0001	96	20000	246	20309920	5000	4000	1	500	350.593999	2019-08-26	11
30	1	P0001	119	20000	56	38128456	91	72.8	1	18.2	52	2019-08-26	12
31	1	P0001	124	20000	10	45030	1.8	1.44	1	0.27	0.95	2019-08-26	12
32	8	P0001	104	40000	274	21233572	13.75	11	1	1.38	9	2019-08-26	11
33	7	P0001	119	40000	73	38128456	80	64	1	16	38.6	2019-08-26	12

Succeeded (1 sec 616 ms)

Columns: 18 Rows: 1,000

SQLQuery1.sql - eehq3rhonpuedekw6fczebb22a-6ummwhp7a3sufhbtnzs3qxmnpq.datawarehouse.fabric.microsoft.com.Sandbox Fabric Data Warehouse (reuben.barry@thepowerpeople.com (152)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

New Query | Execute | Sandbox Fabric Data Ware

Object Explorer

Connect

- eehq3rhonpuedekw6fczebb22a-6ummwhp7a3
  - Databases
    - System Databases
    - DataflowsStagingLakehouse
    - DataflowsStagingWarehouse
    - LearnWithKev_AdvWrks
    - Sandbox Fabric Data Warehouse
      - Tables
        - System Tables
        - External Tables
        - dbo.Customer
        - dbo.Sales
        - dbo.Store
        - Dropped Ledger Tables
      - Views
      - External Resources
      - Programmability
      - Security
  - Security

SQLQuery1.sql - ee...erpeople.com (152))

```
/****** Script for SelectTopNRows command from SSMS  ******/
SELECT TOP (1000) [Store No_]
      ,[POS Terminal No_]
      ,[Transaction No_]
      ,[Line No_]
      ,[Item No_]
      ,[Customer No_]
      ,[Price]
      ,[Net Price]
      ,[Quantity]
      ,[Discount Amount]
      ,[Cost Amount]
      ,[Date]
      ,[Hour]
      ,[Time]
      ,[Net Amount]
      ,[VAT Amount]
      ,[Return No Sale]
      ,[Staff ID]
  FROM [dbo].[Sales]
```

100 %

Results | Messages

	Store No_	POS Terminal No_	Transaction No_	Line No_	Item No_	Customer No_	Price	Net Price	Quantity	Discount Amount	Cost Amount	Date	Hour	Time	Net Amount	VAT Amount	Return No Sale	Staff ID
1	4	P0001	218	10000	279	40000	37.5	30	1	3.75	50	2019-08-26	16	1754-01-01 16:01:16.637000	27	-6.75	0	101
2	2	P0007	40000225	30000	186	33002984	37.5	30	1	3.75	50	2019-08-26	16	1754-01-01 16:07:49.000000	27	-6.75	0	401
3	5	P0005	30000283	30000	164	33002984	37.5	30	1	3.75	50	2019-08-26	11	1754-01-01 11:04:42.000000	27	-6.75	0	301
4	1	P0005	30000183	30000	344	45080	37.5	30	1	3.75	50	2019-08-26	13	1754-01-01 13:36:09.000000	27	-6.75	0	301
5	7	P0005	30000262	30000	36	31669966	37.5	30	1	3.75	50	2019-08-26	10	1754-01-01 10:39:34.000000	27	-6.75	0	301
6	5	P0005	30000172	30000	76	45779977	37.5	30	1	3.75	50	2019-08-26	13	1754-01-01 13:07:20.000000	27	-6.75	0	301
7	1	P0005	30000272	30000	22	38632147	37.5	30	1	3.75	50	2019-08-26	10	1754-01-01 10:58:22.000000	27	-6.75	0	301
8	1	P0005	30000340	40000	48	49858585	37.5	30	1	3.75	50	2019-08-26	14	1754-01-01 14:26:52.000000	27	-6.75	0	301
9	2	P0005	30000180	40000	256	31987987	37.5	30	1	3.75	50	2019-08-26	13	1754-01-01 13:34:46.000000	27	-6.75	0	301
10	3	P0007	40000211	10000	162	45030	118.75	95	1	29.69	0	2019-08-26	15	1754-01-01 15:52:33.000000	71.239999	-17.82	0	401
11	7	P0005	30000207	10000	262	49858585	118.75	95	1	29.69	0	2019-08-26	9	1754-01-01 09:41:55.000000	71.25	-17.809999	0	301
12	7	P0005	30000218	50000	332	45090	118.75	95	1	29.69	0	2019-08-26	9	1754-01-01 09:48:44.000000	71.25	-17.809999	0	301
13	6	P0005	30000348	40000	304	45100	118.75	95	1	29.69	0	2019-08-26	12	1754-01-01 12:11:14.643000	71.25	-17.809999	0	301
14	8	P0005	30000248	30000	167	27090917	118.75	95	1	29.69	0	2019-08-26	10	1754-01-01 10:20:55.000000	71.25	-17.809999	0	301
15	3	P0005	30000170	70000	80	79244006	118.75	95	1	29.69	0	2019-08-26	13	1754-01-01 13:01:00.000000	71.25	-17.809999	0	301
16	4	P0005	30000191	30000	220	20309920	118.75	95	1	29.69	0	2019-08-26	13	1754-01-01 13:54:12.000000	71.25	-17.809999	0	301
17	8	P0005	30000275	30000	110	46897889	118.75	95	1	29.69	0	2019-08-26	10	1754-01-01 10:58:35.000000	71.25	-17.809999	0	301
18	2	P0001	111	10000	23	27489991	91	72.8	1	9.1	52	2019-08-26	11	1754-01-01 11:50:11.000000	65.52	-16.38	0	101
19	2	P0001	108	10000	17	1905893	91	72.8	1	9.1	52	2019-08-26	11	1754-01-01 11:48:04.000000	65.52	-16.38	0	101

Query executed successfully. | eehq3rhonpuedekw6fczebb22a-... | reuben.barry@thepowerp... | Sandbox Fabric Data Wa... | 00:00:00 | 1,000 rows

Ready Ln 1 Col 1 Ch 1 INS

Sales Overview

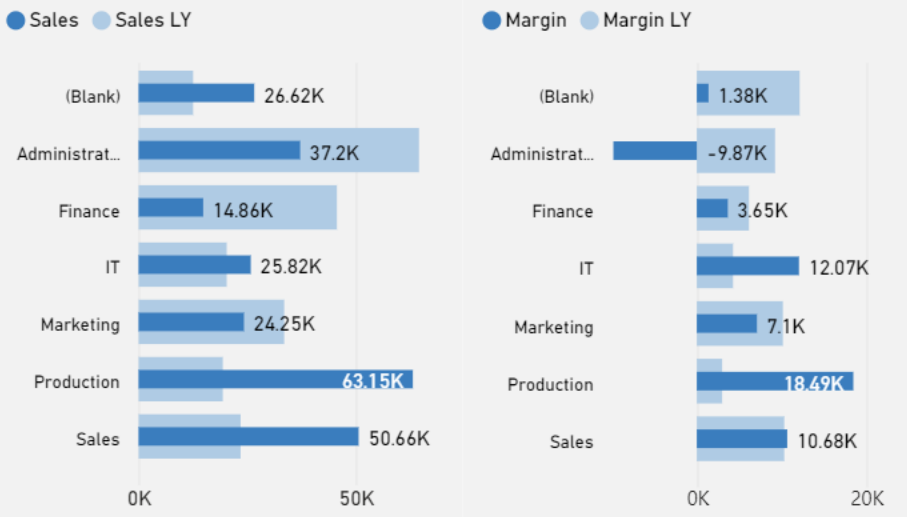
Dimensions

TNP

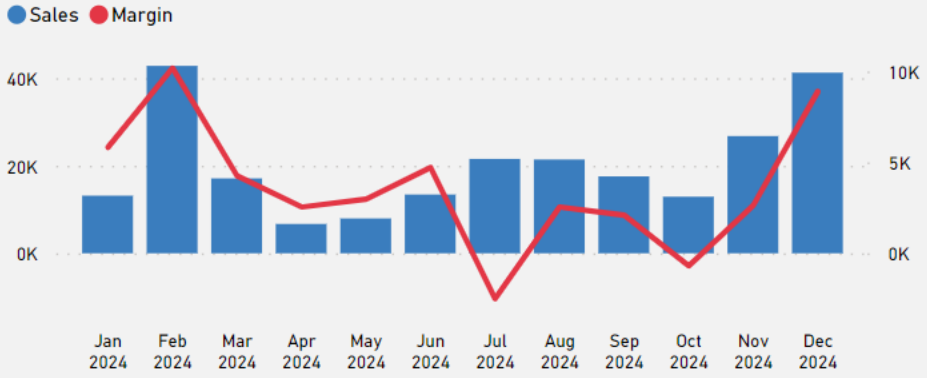
Filters

vs LY by Dimension

DEPARTMENT



Sales and Margin Trend



242,564	10.5%	43,492	-21.3%	17.9%
Sales	Sales LY Var %	Margin	Margin LY Var %	Margin %

Sales Segment	Customers	Sales
Top 20%	9	141,670
20%-40%	9	55,535
40%-60%	10	30,101
60%-80%	9	13,701
Bottom 20%	11	1,557
Total	**48**	**242,564**

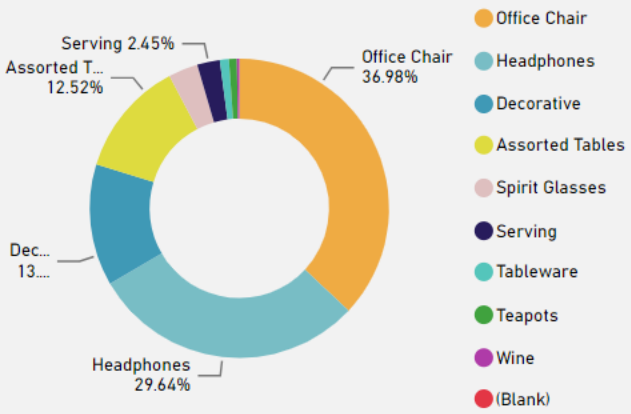
Margin Segment	Customers	Margin
>75%	5	4,570
50%-75%	10	16,512
35%-50%	8	28,101
15%-35%	13	16,375
<15%	12	-22,066
Total	**48**	**43,492**

Customer	Sales	Margin	Margin %	Sales LY Var	Margin LY Var	Margin % LY Var
92000 - Eco Eats	25,917	4,807	18.5%	20,748 ▲	3,314 ▲	-10.3% ▼
10000 - The Cannon Group	25,100	1,869	7.4%	19,812 ▲	220 ▲	-23.7% ▼
96000 - Nature's Bounty	22,817	10,890	47.7%	6,751 ▲	5,764 ▲	15.8% ▲
82000 - SwiftPrint Solutions	13,681	6,859	50.1%	13,681 ▲	6,859 ▲	50.1% ▲
84000 - Inspire Tech Ltd	12,031	3,732	31.0%	12,031 ▲	3,732 ▲	31.0% ▲
64000 - Fresh Foods Ltd	11,435	4,820	42.2%	11,435 ▲	4,820 ▲	42.2% ▲
81000 - Oceanic Adventures	11,170	-3,856	-34.5%	-3,143 ▼	-5,953 ▼	-49.2% ▼
65050 - SwiftTech Solutions	10,385	4,042	38.9%	10,385 ▲	4,042 ▲	38.9% ▲
97000 - Urban Wheels Ltd	9,133	-7,668	-84.0%	9,133 ▲	-7,668 ▼	-84.0% ▼
80000 - PharmaCure Ltd	8,916	3,443	38.6%	1,169 ▲	2,240 ▲	23.1% ▲
77000 - Skyline Airlines	8,260	-870	-10.5%	3,863 ▲	-2,433 ▼	-46.1% ▼
66000 - Green Globe Energy	7,075	1,293	18.3%	7,075 ▲	1,293 ▲	18.3% ▲
72000 - Gourmet Delights Ltd	6,865	-2,424	-35.3%	1,254 ▲	-4,855 ▼	-78.6% ▼
Total	**242,564**	**43,492**	**17.9%**	**83,290 ▲**	**3,720 ▲**	**-7.0%**

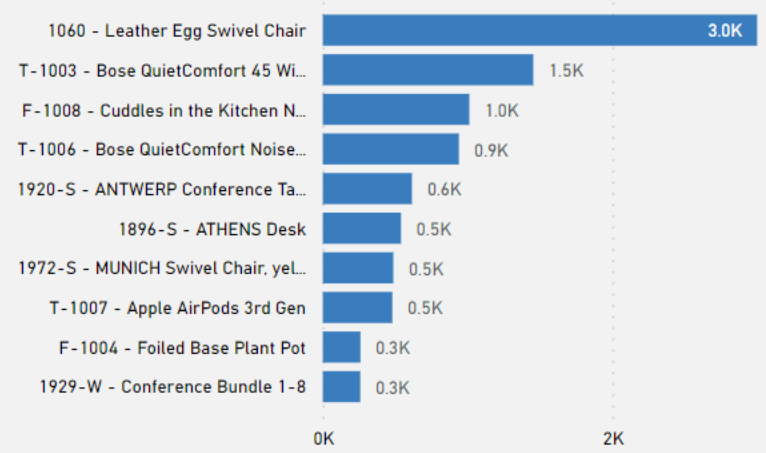
Sales Analysis

Go Back | Dimensions

Margin by Item Category



Top 10 Items by Margin



Bottom 10 Items by Margin

Item Category | Item	Sales	Sales LY Var	Sales LY Var %	Quantity	Quantity LY Var	Quantity LY Var %	Margin	Margin %	Margin LY Var	Margin LY Var %
Wine	**34**	**-340**	**-90.9%** ▼	**1.00**	**-10.00**	**-90.9%** ▼	**26**	**75.5%**	**-255**	**-90.8%** ▼
F-1010 - Joli Gold Stemless Flutes		-136	-100.0% ▼		-4.00	-100.0% ▼			-101	-100.0% ▼
F-1009 - Joli Gold Wine Glasses	34	-204	-85.7% ▼	1.00	-6.00	-85.7% ▼	26	75.5%	-154	-85.7% ▼
Teapots	**119**	**119**		**3.00**	**3.00**		**83**	**69.6%**	**83**	
F-1017 - Etie Blue and Gold Tea for two	119	119		3.00	3.00		83	69.6%	83	
Tableware	**135**	**135**		**5.00**	**5.00**		**95**	**70.4%**	**95**	
F-1003 - Gluggle Jug	135	135		5.00	5.00		95	70.4%	95	
Serving	**332**	**332**		**17.00**	**17.00**		**237**	**71.5%**	**237**	
F-1012 - Alize Glass Platter	28	28		1.00	1.00		21	75.0%	21	
F-1011 - Emilia Green Oil and Vinegar Bottle	30	30		2.00	2.00		27	91.2%	27	
F-1015 - Koka Gold Champagne Stopper	63	63		7.00	7.00		42	66.7%	42	
F-1007 - Fiesta Glass Cocktail Shaker	75	75		3.00	3.00		51	68.0%	51	
Total	**25,917**	**20,748**	**401.4%** ▲	**155.00**	**119.00**	**330.6%** ▲	**4,807**	**18.5%**	**3,314**	**222.0%** ▲

Filters

But still…why?

In what circumstances should you consider implementing a data platform (Fabric) as opposed to just using Power BI on top of your data sources?

Legacy

Many systems, historic data

- Many data sources to orchestrate and join together
- High volume of data
- Provide a constant platform for continuity of reporting across system upgrades

Trust

The single source of truth

- Highly manual reporting practices
- Various unreconciling versions of reports and metrics
- Can’t trust in order to react or look ahead to action

Adoption of AI

The future is now

- “We need to be using AI in our business”
- What is the readiness of your data architecture?
- Fundamentals of governed, trustworthy data for use in these applications

Thank you

Questions?