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Develop

Filter resources by name

SQL scripts2

Sales CSV query

Sales Parquet query

filesSales CSV query

RunUndoPublishQuery plan

Connect toBuilt-inUse databasemaster

```
1 SELECT
2 TOP 100*
3 FROM
4 OPENROWSET(
5 BULK 'https://datalake23mqc1f.dfs.core.windows.net/files/sales/csv/',
6 FORMAT 'CSV',
7 PARSER_VERSION='2.0'
8 )
9 WITH (
10 SalesOrderNumber VARCHAR(10) COLLATE Latin1_General_100_BIN2_UTF8,
11 SalesOrderLineNumber INT,
12 OrderDate DATE,
13 CustomerName VARCHAR(25) COLLATE Latin1_General_100_BIN2_UTF8,
14 EmailAddress VARCHAR(50) COLLATE Latin1_General_100_BIN2_UTF8,
15 Item VARCHAR(30) COLLATE Latin1_General_100_BIN2_UTF8,
16 Quantity INT,
17 UnitPrice DECIMAL(18,2),
18 TaxAmount DECIMAL (18,2)
19 )AS[result]
```

ResultsMessages

ViewTableChartExport results

Search

SalesOrderNumber	SalesOrderLineNumber	OrderDate	CustomerName	EmailAddress	Item	Quantity	UnitPrice	TaxAmount
SO43701	1	2019-07-01T00:00:00.00...	Christy Zhu	christy12@adv...	Mountain-100 ...	1	3399.99	272.00
SO43704	1	2019-07-01T00:00:00.00...	Julio Ruiz	julio1@adventu...	Mountain-100 ...	1	3374.99	270.00
SO43705	1	2019-07-01T00:00:00.00...	Curtis Lu	curtis9@advent...	Mountain-100 ...	1	3399.99	272.00
SO43700	1	2019-07-01T00:00:00.00...	Ruben Prasad	ruben10@adve...	Road-650 Black...	1	699.10	55.93
SO43703	1	2019-07-01T00:00:00.00...	Albert Alvarez	albert7@adven...	Road-150 Red, ...	1	3578.27	286.26
SO43697	1	2019-07-01T00:00:00.00...	Cole Watson	cole1@adventu...	Road-150 Red, ...	1	3578.27	286.26

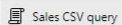
00:00:01 Query executed successfully.

Develop

Filter resources by name

SQL scripts 2

- Sales CSV query
- Sales Parquet query



Run Undo Publish Query plan

Connect to

Built-in

Use database

master

```
1 SELECT YEAR(OrderDate) AS OrderYear,  
2 COUNT(*) AS OrderedItems  
3 FROM  
4 OPENROWSET(  
5     BULK 'https://datalake23mqc1f.dfs.core.windows.net/files/sales/parquet/year=*/',  
6     FORMAT = 'PARQUET'  
7 ) AS [result]  
8 WHERE [result].filepath(1) IN ('2019', '2020')  
9 GROUP BY YEAR(OrderDate)  
10 ORDER BY OrderYear
```

Results Messages

View

Table

Chart

Export results

Search

OrderYear	OrderedItems
2019	1201
2020	2733

00:00:01 Query executed successfully.

Data

Workspace Linked

Filter resources by name

- Azure Data Lake Storage Gen2 2
 - synapse23mqc1f (Primary - datalake23mqc1f)
 - files (Primary)
 - (Attached Containers)

files Sales CSV query Sales Parquet query SQL script 1

Run Undo Publish Query plan Connect to Built-in Use database master

```
1 SELECT
2 TOP 100 *
3 FROM
4 OPENROWSET(
5     BULK 'https://datalake23mqc1f.dfs.core.windows.net/files/sales/json/',
6     FORMAT = 'CSV',
7     FIELDTERMINATOR = '0x0b',
8     FIELDQUOTE = '0x0b',
9     ROWTERMINATOR = '0x0b'
10  ) WITH (Doc NVARCHAR(MAX)) as rows
```

Properties

General Related (0)

Name *
SQL script 1

Description

Type

.sql script

Size

229 bytes

Results settings per query

☐ First 5000 rows (default)

☒ All rows

Results Messages

View Table Chart Export results

Search

Doc				
{ "SalesOrderNumber": "SO43704", "SalesOrderLineItem":	{ "SalesOrderNumber": "SO43705", "SalesOrderLineItem":	{ "SalesOrderNumber": "SO43700", "SalesOrderLineItem":	{ "SalesOrderNumber": "SO43701", "SalesOrderLineItem":	{ "SalesOrderNumber": "SO43703", "SalesOrderLineItem":
"OrderDate": "2019-07-01", "CustomerName": "Julio Ruiz", "EmailAddress": "julio1@adventure-wor...	"OrderDate": "2019-07-01", "CustomerName": "Curtis Lu", "EmailAddress": "curtis9@adventure-wor...	"OrderDate": "2019-07-01", "CustomerName": "Ruben Prasad", "EmailAddress": "ruben10@adventu...	"OrderDate": "2019-07-01", "CustomerName": "Christy Zhu", "EmailAddress": "christy12@adventure...	"OrderDate": "2019-07-01", "CustomerName": "Albert Alvarez", "EmailAddress": "albert7@adventur...

00:00:01 Query executed successfully.

Data

Workspace

Linked

Filter resources by name

Azure Data Lake Storage Gen2 2

synapse23mqc1f (Primary - datalake23mqc1f)

files (Primary)

(Attached Containers)

files

Sales CSV query

Sales Parquet query

Sales JSON query

Run

Undo

Publish

Query plan

Connect to

Built-in

Use database

master

```
1 SELECT JSON_VALUE(Doc, '$.SalesOrderNumber') AS OrderNumber,
2        JSON_VALUE(Doc, '$.CustomerName') AS Customer,
3        Doc
4 FROM
5
6 OPENROWSET(
7     BULK 'https://datalake23mqc1f.dfs.core.windows.net/files/sales/json/',
8     FORMAT = 'CSV',
9     FIELDTERMINATOR = '0x0b',
10    FIELDQUOTE = '0x0b',
11    ROWTERMINATOR = '0x0b'
12 ) WITH (Doc NVARCHAR(MAX)) as rows
```

Properties

General Related (0)

Name *

Sales JSON query

Description

Type

.sql script

Size

229 bytes

Results settings per query

☐ First 5000 rows (default)

☒ All rows

Results

Messages

View

Table

Chart

Export results

Search

OrderNumber	Customer	Doc
SO43704	Julio Ruiz	{"SalesOrderNumber": "SO43704", "SalesOrderLineItem": 1, "OrderDate": "2019-0...
SO43705	Curtis Lu	{"SalesOrderNumber": "SO43705", "SalesOrderLineItem": 1, "OrderDate": "2019-0...
SO43700	Ruben Prasad	{"SalesOrderNumber": "SO43700", "SalesOrderLineItem": 1, "OrderDate": "2019-0...
SO43701	Christy Zhu	{"SalesOrderNumber": "SO43701", "SalesOrderLineItem": 1, "OrderDate": "2019-0...
SO43703	Albert Alvarez	{"SalesOrderNumber": "SO43703", "SalesOrderLineItem": 1, "OrderDate": "2019-0...

00:00:01 Query executed successfully.

Data

Workspace

Linked

Filter resources by name

SQL database

1

Sales (SQL)

External tables

External resources

External data sources

sales_data

External file formats

Views

Schemas

Security

Sales CSV query

Sales Parquet query

Create Sales DB

files

SQL script 1



```
1 SELECT *  
2 FROM  
3 OPENROWSET(  
4     BULK 'csv/*.csv',  
5     DATA_SOURCE = 'sales_data',  
6     FORMAT = 'CSV',  
7     PARSER_VERSION = '2.0'  
8 ) AS orders
```

Properties

General

Related (0)

Name *

SQL script 1

Description

Type

.sql script

Size

0 bytes

Results settings per query

☒ First 5000 rows (default)

☐ All rows

Results

Messages

View

Table

Chart

Export results

Search

C1	C2	C3	C4	C5	C6	C7	C8
SO43701	1	2019-07-01T00:...	Christy Zhu	christy12@adv...	Mountain-100 ...	1	3399.99
SO43704	1	2019-07-01T00:...	Julio Ruiz	julio1@adventu...	Mountain-100 ...	1	3374.99
SO43705	1	2019-07-01T00:...	Curtis Lu	curtis9@advent...	Mountain-100 ...	1	3399.99
SO43700	1	2019-07-01T00:...	Ruben Prasad	ruben10@adve...	Road-650 Black...	1	699.0982
SO43703	1	2019-07-01T00:...	Albert Alvarez	albert7@adven...	Road-150 Red, ...	1	3578.27

00:00:08 Query executed successfully.

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Filter resources by name

SQL database1

Sales (SQL)

External tables

External resources

External data sources

sales_data

External file formats

Views

Schemas

Security

Sales CSV querySales Parquet queryCreate Sales DBfilesSQL script 1

RunUndoPublishQuery planConnect toBuilt-inUse databaseSales

```
1 SELECT *
2 FROM
3 OPENROWSET(
4     BULK 'parquet/year=/*.snappy.parquet',
5     DATA_SOURCE = 'sales_data',
6     FORMAT='PARQUET'
7 ) AS orders
8 WHERE orders.filepath(1) = '2019'
```

ResultsMessages

ViewTableChartExport results

Search

SalesOrderNu...	SalesOrderLine...	OrderDate	CustomerName	EmailAddress	Item	Quantity	UnitPrice
SO43701	1	2019-07-01	Christy Zhu	christy12@adv...	Mountain-100 ...	1	3399.99
SO43704	1	2019-07-01	Julio Ruiz	julio1@adventu...	Mountain-100 ...	1	3374.99
SO43705	1	2019-07-01	Curtis Lu	curtis9@advent...	Mountain-100 ...	1	3399.99
SO43700	1	2019-07-01	Ruben Prasad	ruben10@adve...	Road-650 Black...	1	699.0982
SO43703	1	2019-07-01	Albert Alvarez	albert7@adven...	Road-150 Red, ...	1	3578.27

00:00:01 Query executed successfully.

Properties

GeneralRelated (0)

Name *SQL script 1

Description

Type.sql script

Size0 bytes

Results settings per query

☒ First 5000 rows (default)

☐ All rows

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Linked

Filter resources by name

SQL database

1

Sales (SQL)

External tables

dbo.orders

Columns

External resources

Views

Schemas

Security

Sales CSV query

Sales Parquet query

Create Sales DB

files

SQL script 1

Run

Undo

Publish

Query plan

Connect to

Built-in

Use database

Sales

1

2

3

4

5

6

7

8

9

10

SELECT TOP (100) [SalesOrderNumber]

,[SalesOrderLineNumber]

,[OrderDate]

,[CustomerName]

,[EmailAddress]

,[Item]

,[Quantity]

,[UnitPrice]

,[TaxAmount]

FROM [dbo].[orders]

Results

Messages

View

Table

Chart

Export results

Search

SalesOrderNu...

SalesOrderLine...

OrderDate

CustomerName

EmailAddress

Item

Quantity

UnitPrice

SO43701

1

2019-07-01T00:...

Christy Zhu

christy12@adv...

Mountain-100 ...

1

3399.99

SO43704

1

2019-07-01T00:...

Julio Ruiz

julio1@adventu...

Mountain-100 ...

1

3374.99

SO43705

1

2019-07-01T00:...

Curtis Lu

curtis9@advent...

Mountain-100 ...

1

3399.99

SO43700

1

2019-07-01T00:...

Ruben Prasad

ruben10@adve...

Road-650 Black...

1

699.10

SO43703

1

2019-07-01T00:...

Albert Alvarez

albert7@adven...

Road-150 Red, ...

1

3578.27

00:00:01 Query executed successfully.

Properties

General

Related (0)

Name *

SQL script 1

Description

Type

.sql script

Size

171 bytes

Results settings per query

First 5000 rows (default)

All rows

Develop

Filter resources by name

SQL scripts

- Create Sales DB
- Sales CSV query
- Sales Parquet query
- SQL script 1
- SQL script 2

Sales CSV query

Sales Parquet query

Create Sales DB

files

SQL script 1

SQL script 2

Run Undo Publish Query plan

Connect to Built-in

Use database

Sales

```
1 SELECT YEAR(OrderDate) AS OrderYear,  
2       SUM((UnitPrice * Quantity) + TaxAmount) AS GrossRevenue  
3 FROM dbo.orders  
4 GROUP BY YEAR(OrderDate)  
5 ORDER BY OrderYear;
```

Results Messages

View

Table

Chart

Save as image

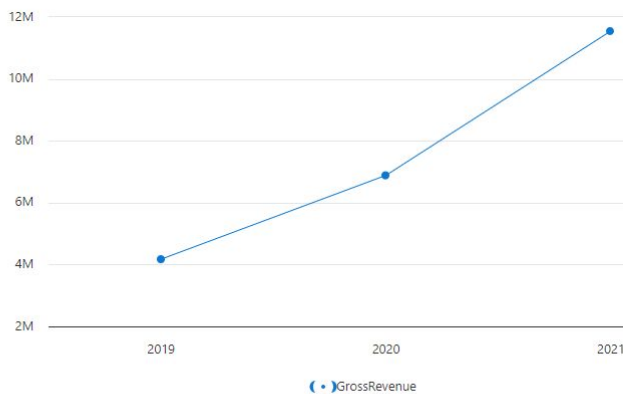


Chart type

Line

Category column

OrderYear

Legend (series) columns

GrossRevenue

Legend position:

bottom - center

Legend (series) label

Category label

Properties

General

Related (0)

Name *

SQL script 2

Description

Type

.sql script

Size

0 bytes

Results settings per query

☒ First 5000 rows (default)

☐ All rows

00:00:03 Query executed successfully.

Develop

Filter resources by name

SQL scripts

- Create Sales DB
- Sales CSV query
- Sales Parquet query
- SQL script 1
- SQL script 2

Sales CSV query

Sales Parquet query

Create Sales DB

files

SQL script 1

SQL script 2

Run

Undo

Publish

Query plan

Connect to

Built-in

Use database

Sales

```
1 SELECT YEAR(OrderDate) AS OrderYear,  
2      SUM((UnitPrice * Quantity) + TaxAmount) AS GrossRevenue  
3 FROM dbo.orders  
4 GROUP BY YEAR(OrderDate)  
5 ORDER BY OrderYear;
```

Results

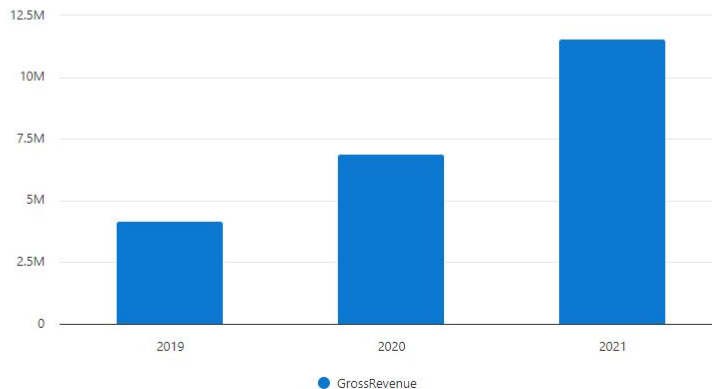
Messages

View

Table

Chart

Save as image



00:00:01 Query executed successfully.

Properties

General

Related (0)

Name *

SQL script 2

Description

Type

.sql script

Size

0 bytes

Results settings per query

☐ First 5000 rows (default)

☒ All rows

Chart type

Column

Category column

OrderYear

Legend (series) columns

GrossRevenue

Legend position:

bottom - center

Legend (series) label

Legend (series) minimum value

Legend (series) maximum value