==LINKED SERVICE==

Linked service to on-prem SQL server

Edit linked service

SQL server Learn more ↗

Name *

ls_to_on_prem_sql_server

Description

Connect via integration runtime * ⓘ

✅ SHIR-TO-ON-PREM-SQL-SERVER ⌄ ✏️

[**Connection string**] [Azure Key Vault]

Server name *

DESKTOP-RNBE77R\SQLEXPRESS

Database name *

AdventureWorksLT2017

Authentication type

SQL authentication ⌄

User name *

sa

[Password] [**Azure Key Vault**]

AKV linked service * ⓘ

ls_kev_vault ⌄ ✏️

✅ Connection successful

[Save] [Cancel]   🔌 Test connection

Linked service to Azure Key Vault

Edit linked service
🔑 Azure Key Vault

Name *

ls_key_vault

Description

Azure key vault selection method ⓘ

◯ From Azure subscription   ◉ Enter manually

Base URL *

https://projectcredentials1123.vault.azure.net/

Authentication method

System Assigned Managed Identity   ⌄

Managed identity name: **dfpractice1121**
Managed identity object ID: **f969bf66-29cd-410e-a882-5f12bc31eaf7**
Grant Data Factory service managed identity access to your Azure Key Vault. Learn more ⧉

Test connection
◉ To linked service   ◯ To secret

Annotations

+ New

> Parameters

✅ Connection successful

            Save   Cancel   ⚡ Test connection

Linked service to Data Lake gen 2

Edit linked service

Azure Data Lake Storage Gen2   Learn more ↗

Name *

ls_datalake_gen2

Description

Connect via integration runtime * ⓘ

AutoResolveIntegrationRuntime   ⌄

Authentication type

Account key   ⌄

Account selection method   ⓘ

◯ From Azure subscription   ⦿ Enter manually

URL *

https://onpremtocloudstorage1123.dfs.core.windows.net/

Storage account key   Azure Key Vault

Storage account key *

••••••••••

Test connection   ⓘ

⦿ To linked service   ◯ To file path

Annotations

✅ Connection successful

🔌 Test connection

Save   Cancel

DATASET

Dataset to on-prem SQL server

| Connection | Schema | Parameters |

Linked service *   [ls_to_on_prem_sql_server   ∨]   🖉 Test connection   ✎ Edit   + New   Learn more ⧉

Integration runtime *   [✔ SHIR-TO-ON-PREM-SQL-SERVER   ∨]   ✎ Edit

Table   [Select...   ∨]   ⟳ Refresh   👓 Preview data
                          [ ] Edit

Connection **Schema** Parameters

[Import schema] [Clear]

Column name

Connection Schema **Parameters**

\+ New

Dataset to ADLS blob bronze container

Connection Schema Parameters

Linked service *   [ls_datalake_gen2   ∨]   🖉 Test connection   ✎ Edit   + New   Learn more ⧉

File path *   [bronze   ] / [@{concat(dataset().SchemaName,'/',...] / [@{concat(dataset().TableName,'.parq...]   📁 Browse | ∨   👓 Preview data

Compression type   [snappy   ∨]

@{concat(dataset().SchemaName,'/',dataset().TableName)}

@{concat(dataset().TableName,'.parquet')}

Connection **Schema** Parameters

[Import schema] [Clear]

Column name

	Connection	Schema	**Parameters**

+ New | 🗑 Delete

	Name	Type	Default value	
☐	TableName	String ⌄	Value	🗑
☐	SchemaName	String ⌄	Value	🗑

==ACTIVITIES==

LOOK UP ACTIVITY

General

General	Settings	User properties

Name *	Lookup all tables	Learn more ↗
Description		
Activity state ⓘ	● Activated ○ Deactivated	
Timeout ⓘ	0.12:00:00	
Retry ⓘ	0	
Retry interval (sec) ⓘ	30	
Secure output ⓘ	☐	
Secure input ⓘ	☐	

Settings

General | Settings | User properties

Source dataset *   [📊 ds_to_one_prem_sql_server ⌄]   🖊 Open   + New   👓 Preview data   Learn more ⎘

First row only   ☐

Use query   ○ Table   ⦿ Query   ○ Stored procedure

Query *
```
SELECT table_schema,table_name
FROM information_schema.tables
WHERE table_schema = 'SalesLt' and
TABLE_TYPE = 'BASE TABLE'
```
   🖊 Edit

Query timeout (minutes) ⓘ   [120]

Isolation level ⓘ   [Select... ⌄]

Partition option ⓘ   ⦿ None   ○ Physical partitions of table ⓘ   ○ Dynamic range ⓘ

ⓘ Please preview data to validate the partition settings.

User properties

General   Settings   **User properties**

+ New

FOR EACH ACTIVITY

General

General   Settings   Activities (1)   User properties

Name *   [ForEach1]   Learn more ⎘

Description   [   ]

Activity state ⓘ   ⦿ Activated   ○ Deactivated

Settings

General   Settings   Activities (1)   User properties

Sequential   ☐

Batch count ⓘ   [   ]

Items   [@activity('Lookup all tables').output....]

```
@activity('Lookup all tables').output.value
```

Activities

General   Settings   **Activities (1)**   User properties

Case	Activity	
ForEach	📋 Copy data1 1 Activity	✏️

User properties

General   Settings   Activities (1)   **User properties**

+ New

General

General   Source   Sink   Mapping   Settings   User properties

Name *   Copy data1   Learn more ⧉

Description

Activity state ⓘ   ◉ Activated   ○ Deactivated

Timeout ⓘ   0.12:00:00

Retry ⓘ   0

Retry interval (sec) ⓘ   30

Secure output ⓘ   ☐

Secure input ⓘ   ☐

Source

General   **Source**   Sink   Mapping   Settings   User properties

Source dataset *   🗃 ds_to_one_prem_sql_server   ∨   ✎ Open   + New   👓 Preview data   Learn more ⧉

Use query   ○ Table   ◉ Query   ○ Stored procedure

Query   @{concat('Select * from ',item().table...

Query timeout (minutes) ⓘ   120

Isolation level ⓘ   Select...   ∨

Partition option ⓘ   ◉ None   ○ Physical partitions of table ⓘ   ○ Dynamic range ⓘ

ⓘ Please preview data to validate the partition settings.

Additional columns ⓘ   + New

```
@{concat('Select * from ',item().table_schema,'.',item().
  table_name)}
```

Sink

General   Source   **Sink**   Mapping   Settings   User properties

Sink dataset *   ⬗ ds_to_bronze_parquet   ⌄   ✎ Open   + New   Learn more ⎘

∨ Dataset properties ⓘ

Name	Value		Type
TableName	@item().table_name		string
SchemaName	@item().table_schema		string

Copy behavior ⓘ   Select...   ⌄

Max concurrent connections ⓘ [   ]

Block size (MB) ⓘ   [   ]

Metadata ⓘ   + New

Max rows per file ⓘ   [   ]

Mapping

General   Source   Sink   **Mapping**   Settings   User properties

> Type conversion settings

[Import schemas]   👓 Preview source

   + New mapping   ◇ Clear ⓘ   ↺ Reset ⓘ   🗑 Delete

Settings

General   Source   Sink   Mapping   **Settings**   User properties

ⓘ You will be charged **# of used DIUs * copy duration * $0.25/DIU-hour.** Local currency and separate discounting may apply per subscription type. Learn more

Maximum data integration unit ⓘ   Auto   ⌄
                                   ☐ Use custom value

Degree of copy parallelism ⓘ   Auto   ⌄

Data consistency verification ⓘ   ☐

Fault tolerance ⓘ   [⌄]

Enable logging ⓘ   ☐

Enable staging ⓘ   ☐

User properties

General   Source   Sink   Mapping   Settings   **User properties**

\+ New   ⟳ Auto generate