



Loading data into the Table

For CSV

1. Now in this lab first you have to create a new SQL Script in your Synapse studio.
2. Then you are going to create a normal table in your dedicated SQL Pool database.
3. Then we will run the copy command to copy all of the data from our CSV file which is uploaded inside of the container in your storage account.
4. So, first just create your table.

```
Run Undo Publish Query plan Connect to demopooldb Use database demopooldb
1 CREATE TABLE [csvpool_logdata]
2 (
3     [Correlation id] [varchar](200) NULL,
4     [Operation name] [varchar](200) NULL,
5     [Status] [varchar](100) NULL,
6     [Event category] [varchar](100) NULL,
7     [Level] [varchar](100) NULL,
8     [Time] [datetime] NULL,
9     [Subscription] [varchar](200) NULL,
10    [Event initiated by] [varchar](1000) NULL,
11    [Resource type] [varchar](1000) NULL,
12    [Resource group] [varchar](1000) NULL,
13    [Resource] [varchar](2000) NULL
14 )
15
16
```

5. Below is the copy command here first we defined that we need to copy the data into our table which we just created then we have given the path from where we are going to copy the data.
6. For the path you can go to your container where you have stored your CSV file give its location.
7. Then what is the file type and the identity type.
8. After that we have defined the secret as our storage account access key.
9. Now just execute this command.

```
16 COPY INTO [csvpool_logdata] FROM 'https://sqlstorage1010.blob.core.windows.net/csv/Log.csv'
17 WITH(
18     FILE_TYPE='CSV',
19     CREDENTIAL=(IDENTITY='Storage Account Key',SECRET='0RTBmXN1Mgu7Q3jZXk2StgWyH8rqCQhPc3jP13qLjSHpcsgQivDPNBehS5/9xrbJTjgPy1WFATkG
20     FIRSTROW=2)
```

10. And below you can see the desired data which we needed to see.

SQL script 4 Pool CSV

SQL script 5 Copy Ta...

SQL script 1

Run

Undo

Publish

Query plan

Connect to demopooldb

Use database demopooldb

21

22

SELECT * FROM [csvpool_logdata]

Results

Messages

View

Table

Chart

Export results

Search

Correlation id	Operation name	Status	Event category	Level	Time	Subscription
e0197b66-3b79...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-14T10:...	6912d7a0-bc2
75887772-299d...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-14T05:...	6912d7a0-bc2
adc20bf5-75b8...	List clusterUser ...	Started	Administrative	Informational	2023-04-10T17:...	6912d7a0-bc2
4085a982-8b9c...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-06T08:...	6912d7a0-bc2
4085a982-8b9c...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-06T08:...	6912d7a0-bc2
24f47c5f-a504-...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-04T13:...	6912d7a0-bc2
be30b0c2-fc5d...	Validate Deploy...	Started	Administrative	Informational	2023-04-04T11:...	6912d7a0-bc2
2b2e1656-ead9...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-03T06:...	6912d7a0-bc2
89fc9118-bd73...	'auditIfNotExist...	Failed	Policy	Error	2023-04-02T10:...	6912d7a0-bc2
a77b382b-d88...	Delete Disk	Succeeded	Administrative	Informational	2023-03-30T17:...	6912d7a0-bc2
af0de678-8a09...	Create or Upda...	Succeeded	Administrative	Informational	2023-02-21T14:...	6912d7a0-bc2

00:00:06 Query executed successfully.

For Parquet

1. Now the same thing can be done for the parquet file also. The steps are the same as before.
2. First create a simple table then copy the data from your container to this table.
3. For parquet too you can see the data accordingly.

SQL script 4 Pool CSV

SQL script 5 Copy Ta...

SQL script 1

SQL script 6 Copy Ta...

Run

Undo

Publish

Query plan

Connect to demopooldb

Use database demopooldb

```

15
16 COPY INTO [pool_logdata_parquet] FROM 'https://sqlstorage1010.blob.core.windows.net/parquet/log.parquet'
17 WITH(
18     FILE_TYPE='PARQUET',
19     CREDENTIAL=(IDENTITY='Storage Account Key',SECRET='0RTBmXN1Mgu7Q3jZXk2StgWyH8rqCQhPc3jP13qLjSHpcsgQi
20
21 SELECT * FROM [pool_logdata_parquet]

```

Results

Messages

View

Table

Chart

Export results

Search

Correlationid	Operationname	Status	Eventcategory	Level	Time	Subscription
8e83949f-1278...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-14T15:...	6912d7a0-bc2
56882c7b-60e0...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-17T14:...	6912d7a0-bc2
56882c7b-60e0...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T14:...	6912d7a0-bc2
a4927ba1-fe0e...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-17T12:...	6912d7a0-bc2
a4927ba1-fe0e...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T12:...	6912d7a0-bc2
4edf0175-66f4-...	Create or Upda...	Succeeded	Administrative	Informational	2023-04-17T12:...	6912d7a0-bc2
4edf0175-66f4-...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T12:...	6912d7a0-bc2
a5db15ad-01ac...	Delete Network...	Failed	Administrative	Error	2023-04-14T13:...	6912d7a0-bc2

00:00:06 Query executed successfully.