



Creating SQL Pool for CSV Data

1. In this lab we are going to work with CSV data. For that first publish your previous data and then create a new SQL Script.
2. So, below are the commands which we are going to use for CSV.
3. Here if you look we have created database-scoped credentials but this time around it is created using the access keys of the storage account not by the SAS token. Because while working with CSV in a dedicated SQL Pool the external data source should be of type Hadoop.
4. Then we created our external table and then execute them.

```
1 CREATE DATABASE SCOPED CREDENTIAL AzureStorageCredential1
2 WITH
3     IDENTITY = 'sqlstorage1010',
4     SECRET = '0RTBmXN1Mgu7Q3jZXk2StgwyH8rqCQhPc3jP13qLjSHpcsgQivDPNBehS5/9xrbJTjgPy1WFATkG+AStQE9HdA==';
5
6
7 CREATE EXTERNAL DATA SOURCE log_data_csv
8 WITH (
9     LOCATION = 'abfss://csv@sqlstorage1010.dfs.core.windows.net',
10    CREDENTIAL = AzureStorageCredential1,
11    TYPE = HADOOP
12 )
13
14 CREATE EXTERNAL FILE FORMAT TextFileFormat WITH (
15     FORMAT_TYPE = DELIMITEDTEXT,
16     FORMAT_OPTIONS (
17         FIELD_TERMINATOR = ',',
18         FIRST_ROW = 2))
19
20 CREATE EXTERNAL TABLE [logdata]
21 (
22     [Correlation id] [varchar](200) NULL,
23     [Operation name] [varchar](200) NULL,
24     [Status] [varchar](100) NULL,
25     [Event category] [varchar](100) NULL,
26     [Level] [varchar](100) NULL,
27     [Time] [varchar](500) NULL,
28     [Subscription] [varchar](200) NULL,
29     [Event initiated by] [varchar](1000) NULL,
30     [Resource type] [varchar](1000) NULL,
31     [Resource group] [varchar](1000) NULL,
32     [Resource] [varchar](2000) NULL
33 )
34 WITH (
35     LOCATION = '/Log.csv',
36     DATA_SOURCE = log_data_csv,
37     FILE_FORMAT = TextFileFormat
38 )
```

5. Below you can see the desired data.

SQL script 2 Parquet

SQL script 1

SQL script 3 Pool Par...

SQL script 4 Pool CSV

Run

Undo

Publish

Query plan

Connect to demopooldb

Use database demopooldb

36)

37

38 SELECT*FROM [logdata]

Results

Messages

View

Table

Chart

Export results

Search

Correlation id	Operation name	Status	Event category	Level	Time	Subscription
9803cd2e-60a0...	Create or Upda...	Succeeded	Administrative	Informational	2023-04-17T11:...	6912d7a0-bc28...
10267bc2-4ab8...	Delete Virtual ...	Succeeded	Administrative	Informational	2023-04-17T11:...	6912d7a0-bc28...
96600577-c906...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-17T06:...	6912d7a0-bc28...
96600577-c906...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T06:...	6912d7a0-bc28...
550854cc-d803...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T06:...	6912d7a0-bc28...
8b0be2de-b75...	Delete Public Ip...	Succeeded	Administrative	Informational	2023-04-17T06:...	6912d7a0-bc28...
d12b4f72-14cd...	Delete Virtual ...	Accepted	Administrative	Informational	2023-04-14T10:...	6912d7a0-bc28...
66896f15-8652...	Create or Upda...	Started	Administrative	Informational	2023-04-14T10:...	6912d7a0-bc28...
3d2154d4-da9...	Create or Upda...	Succeeded	Administrative	Informational	2023-04-14T10:...	6912d7a0-bc28...
bf9e8159-3e5f-...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-14T08:...	6912d7a0-bc28...
2127d1c8-ba1f...	'audit' Policy ac...	Succeeded	Policy	Warning	2023-04-17T15:...	6912d7a0-bc28...
4edf0175-66f4-...	'auditIfNotExist...	Succeeded	Policy	Informational	2023-04-17T12:...	6912d7a0-bc28...
891eacee-4531...	Delete Network...	Started	Administrative	Informational	2023-04-17T11:...	6912d7a0-bc28...
99fe9c3a-e36e-...	Update SQL da...	Succeeded	Administrative	Informational	2023-04-25T03:...	6912d7a0-bc28...

00:00:11 Query executed successfully.