NEW - Lab - Azure Synapse - External Tables - Resources

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The following can be used as a reference for the previous chapter

1. First create the database master key

CREATE MASTER KEY ENCRYPTION BY PASSWORD = 'P@ssw0rd@123';

2. Next go ahead and create the database scope credential. Ensure to change the storage account name and the account key accordingly.

1. CREATE DATABASE SCOPED CREDENTIAL AzureStorageCredential1
2. WITH
3. IDENTITY = 'appstore400011111',
4. SECRET = '2VSwkktRhMIHcIOwH7GvMYlcB2xn/fWJojH44hryTqCKJ+gaZGUmRUCRXgOpvE1uQJr2nxreQo57vr9Q6MKiVw==' ;

3. Next create the external data source. Ensure to change the name of the storage account in the location value below

1. CREATE EXTERNAL DATA SOURCE appsource2
2. WITH
3. ( LOCATION = 'wasbs://files@appstore400011111.blob.core.windows.net',
4. CREDENTIAL = AzureStorageCredential1,
5. TYPE = HADOOP );

4. Next specify the external file format

1. CREATE EXTERNAL FILE FORMAT TextFileFormat WITH (
2. FORMAT\_TYPE = PARQUET,
3. DATA\_COMPRESSION ='org.apache.hadoop.io.compress.SnappyCodec')

5. Finally create the table definition

1. CREATE EXTERNAL TABLE Activity\_log
2. (
3. Correlationid varchar(100),
4. Operationname varchar(1000),
5. Status varchar(20),
6. Eventcategory varchar(20),
7. Level varchar(20),
8. Time varchar(36),
9. Subscription varchar(36),
10. Eventinitiatedby varchar(100),
11. Resourcetype varchar(1000),
12. Resourcegroup varchar(100),
13. Resource varchar(1000)
14. )
15. WITH (
16. LOCATION = '/',
17. DATA\_SOURCE = appsource2,
18. FILE\_FORMAT = TextFileFormat
19. )

6. Next go ahead and fetch the data

select \* from Activity\_log