

## External table SQL scripts

### 1. Silver container – accounts - accountsnew

```
2. IF NOT EXISTS (SELECT * FROM sys.external_file_formats WHERE name =
   'SynapseParquetFormat')
3.     CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat]
4.     WITH ( FORMAT_TYPE = PARQUET)
5. GO
6.
7. IF NOT EXISTS (SELECT * FROM sys.external_data_sources WHERE name =
   'silver_ncplstorageact_dfs_core_windows_net')
8.     CREATE EXTERNAL DATA SOURCE
   [silver_ncplstorageact_dfs_core_windows_net]
9.     WITH (
10.         LOCATION = 'abfss://silver@ncplstorageact.dfs.core.windows.net'
11.     )
12. GO
13.
14. CREATE EXTERNAL TABLE dbo.accountsnew (
15.     [account_id] int,
16.     [customer_id] int,
17.     [account_type] nvarchar(4000),
18.     [balance] float
19. )
20. WITH (
21.     LOCATION = 'accounts/part-00000-04468f33-f65b-463e-91c9-
   19428cf9ad5a.c000.snappy.parquet',
22.     DATA_SOURCE = [silver_ncplstorageact_dfs_core_windows_net],
23.     FILE_FORMAT = [SynapseParquetFormat]
24. )
25. GO
```

## 2. Silver container – customers – customersnew

```
IF NOT EXISTS (SELECT * FROM sys.external_file_formats WHERE name =
'SynapseParquetFormat')
    CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat]
    WITH ( FORMAT_TYPE = PARQUET)
GO

IF NOT EXISTS (SELECT * FROM sys.external_data_sources WHERE name =
'silver_ncplstorageact_dfs_core_windows_net')
    CREATE EXTERNAL DATA SOURCE [silver_ncplstorageact_dfs_core_windows_net]
    WITH (
        LOCATION = 'abfss://silver@ncplstorageact.dfs.core.windows.net'
    )
GO

CREATE EXTERNAL TABLE dbo.customersnew (
    [customer_id] int,
    [first_name] nvarchar(4000),
    [last_name] nvarchar(4000),
    [address] nvarchar(4000),
    [city] nvarchar(4000),
    [state] nvarchar(4000),
    [zip] nvarchar(4000)
)
WITH (
    LOCATION = 'customers/part-00000-a250c837-aae7-46d5-b60f-
231c7c35af74.c000.snappy.parquet',
    DATA_SOURCE = [silver_ncplstorageact_dfs_core_windows_net],
    FILE_FORMAT = [SynapseParquetFormat]
)
GO
```

### 3. Silver container – loan\_payments – loan\_paymentsnew

```
IF NOT EXISTS (SELECT * FROM sys.external_file_formats WHERE name =
'SynapseParquetFormat')
    CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat]
    WITH ( FORMAT_TYPE = PARQUET)
GO

IF NOT EXISTS (SELECT * FROM sys.external_data_sources WHERE name =
'silver_ncplstorageact_dfs_core_windows_net')
    CREATE EXTERNAL DATA SOURCE [silver_ncplstorageact_dfs_core_windows_net]
    WITH (
        LOCATION = 'abfss://silver@ncplstorageact.dfs.core.windows.net'
    )
GO

CREATE EXTERNAL TABLE dbo.loan_paymentsnew (
    [loan_id] int,
    [payment_id] int,
    [payment_date] date,
    [payment_amount] float
)
WITH (
    LOCATION = 'loan_payments/part-00000-33bf84d5-b2ab-47e1-bf28-
6a35f6c90411.c000.snappy.parquet',
    DATA_SOURCE = [silver_ncplstorageact_dfs_core_windows_net],
    FILE_FORMAT = [SynapseParquetFormat]
)
GO
```

#### 4. Silver container – loans – loansnew

```
IF NOT EXISTS (SELECT * FROM sys.external_file_formats WHERE name =
'SynapseParquetFormat')
    CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat]
    WITH ( FORMAT_TYPE = PARQUET)
GO

IF NOT EXISTS (SELECT * FROM sys.external_data_sources WHERE name =
'silver_ncplstorageact_dfs_core_windows_net')
    CREATE EXTERNAL DATA SOURCE [silver_ncplstorageact_dfs_core_windows_net]
    WITH (
        LOCATION = 'abfss://silver@ncplstorageact.dfs.core.windows.net'
    )
GO

CREATE EXTERNAL TABLE dbo.loansnew (
    [customer_id] int,
    [loan_id] int,
    [loan_amount] float,
    [interest_rate] float,
    [loan_term] int
)
WITH (
    LOCATION = 'loans/part-00000-d6359c80-651f-40e3-908d-
917c17e6cdfb.c000.snappy.parquet',
    DATA_SOURCE = [silver_ncplstorageact_dfs_core_windows_net],
    FILE_FORMAT = [SynapseParquetFormat]
)
GO
```

## 5. Silver container – transactions – transactionsnew

```
IF NOT EXISTS (SELECT * FROM sys.external_file_formats WHERE name =
'SynapseParquetFormat')
    CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat]
    WITH ( FORMAT_TYPE = PARQUET)
GO

IF NOT EXISTS (SELECT * FROM sys.external_data_sources WHERE name =
'silver_ncplstorageact_dfs_core_windows_net')
    CREATE EXTERNAL DATA SOURCE [silver_ncplstorageact_dfs_core_windows_net]
    WITH (
        LOCATION = 'abfss://silver@ncplstorageact.dfs.core.windows.net'
    )
GO

CREATE EXTERNAL TABLE dbo.transactionsnew (
    [account_id] int,
    [transaction_id] int,
    [transaction_date] date,
    [transaction_amount] float,
    [transaction_type] nvarchar(4000)
)
WITH (
    LOCATION = 'transactions/part-00000-b3fb0265-4ff0-4417-aad9-
f095e25ce6b5.c000.snappy.parquet',
    DATA_SOURCE = [silver_ncplstorageact_dfs_core_windows_net],
    FILE_FORMAT = [SynapseParquetFormat]
)
GO
```

## 6. gold – total\_balance

```
IF NOT EXISTS (SELECT * FROM sys.external_file_formats WHERE name =
'SynapseParquetFormat')
    CREATE EXTERNAL FILE FORMAT [SynapseParquetFormat]
    WITH ( FORMAT_TYPE = PARQUET)
GO

IF NOT EXISTS (SELECT * FROM sys.external_data_sources WHERE name =
'gold_ncplstorageact_dfs_core_windows_net')
    CREATE EXTERNAL DATA SOURCE [gold_ncplstorageact_dfs_core_windows_net]
    WITH (
        LOCATION = 'abfss://gold@ncplstorageact.dfs.core.windows.net'
    )
GO

CREATE EXTERNAL TABLE dbo.total_balance_new (
    [customer_id] int,
    [first_name] nvarchar(4000),
    [last_name] nvarchar(4000),
    [address] nvarchar(4000),
    [city] nvarchar(4000),
    [state] nvarchar(4000),
    [zip] nvarchar(4000),
    [account_id] int,
    [account_type] nvarchar(4000),
    [balance] float,
    [total_balance] float
)
WITH (
    LOCATION = 'customer_total_balance/part-00000-22991b80-5f7b-4ef3-8c28-
dab28f731266.c000.snappy.parquet',
    DATA_SOURCE = [gold_ncplstorageact_dfs_core_windows_net],
    FILE_FORMAT = [SynapseParquetFormat]
)
GO
```