

Turbocharge Power Bl using Azure Synapse Analytics







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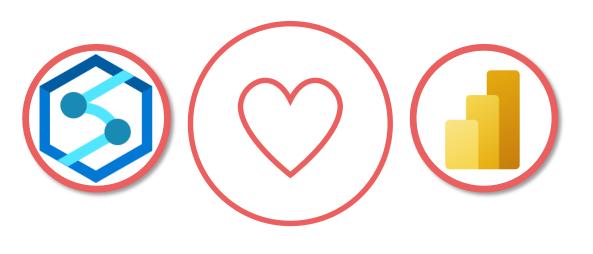




Session Overview



- Connecting to SQL Pools
- Using Serverless SQL Pools to load external data
- Creating Materialized Views in Dedicated SQL Pools
- Further reading







Connecting to SQL Pools

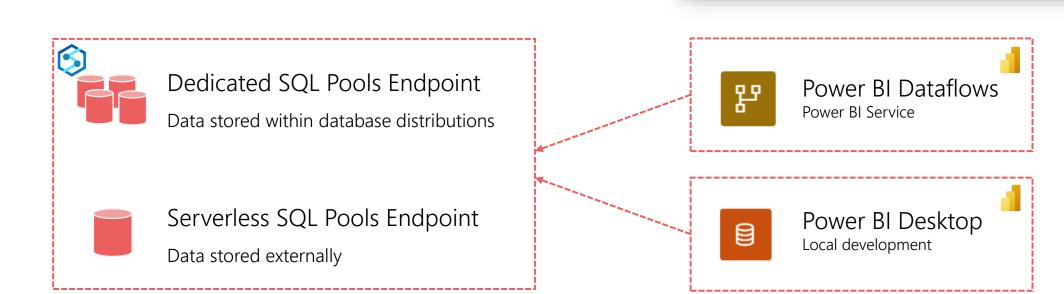


Dedicated SQL endpoint : synapse.sql.azuresynapse.net

Serverless SQL endpoint

: synapse-ondemand.sql.azuresynapse.net

Both Dedicated SQL Pools and Serverless SQL Pools expose a SQL endpoint which external tools can connect to.

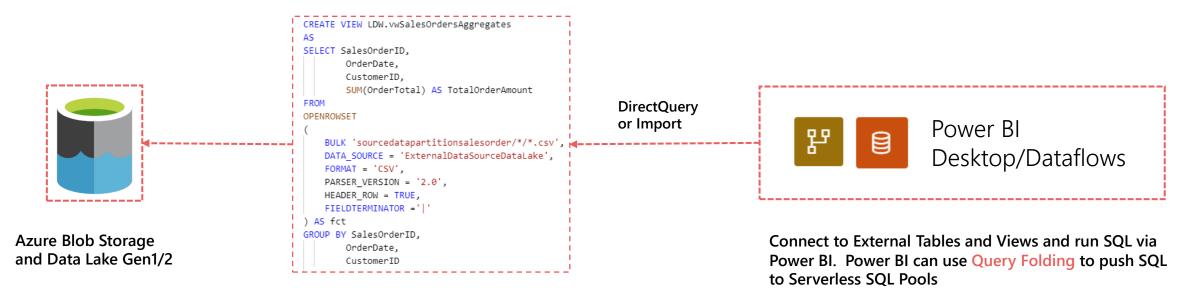




Using Serverless SQL Pools to load external data



We can connect to CSV, JSON, & Parquet file data in Azure Storage using Serverless SQL Pools and run SQL queries on this data.

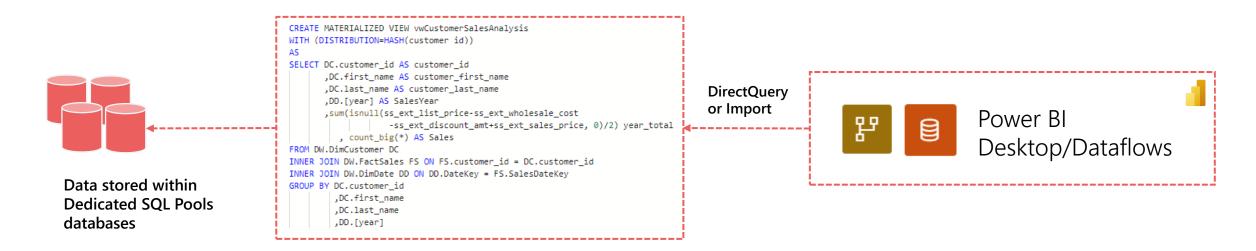


Scenarios include aggregating large source data for loading into Power BI.



Creating Materialized Views in Dedicated SQL Pools

We can create a Materialized View in Dedicated SQL Pools to pre-calculate and store dataset ready for use in Power BI.



Scenarios include complex logic calculation with data stored in Dedicated SQL Pools.



Further Reading





- <u>https://docs.microsoft.com/en-us/azure/synapse-analytics/sql-data-warehouse/sql-data-warehouse-overview-what-is</u>
- <u>https://docs.microsoft.com/en-us/azure/synapse-analytics/sql/on-demand-workspace-overview</u>



- <u>https://www.serverlesssql.com/learning/harnessing-azure-synapse-analytics-sql-serverless-in-power-bi-dataflows/</u>
- <u>https://www.serverlesssql.com/getting-started/getting-started-with-azure-synapse-analytics-sql-serverless/</u>



