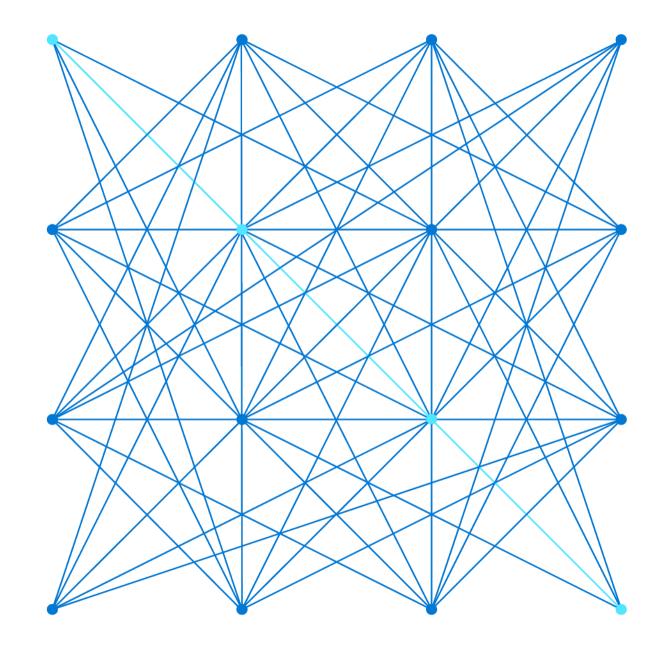


Online Role-based training resources:

Microsoft Learn

https://docs.microsoft.com/en-us/learn/

PL-300 Analyzing Data with Power BI



Module 2: Get Data in Power BI



Learning Objectives

You will learn the following concepts:

- Getting data from various data sources
- Optimizing Performance
- Resolving data errors

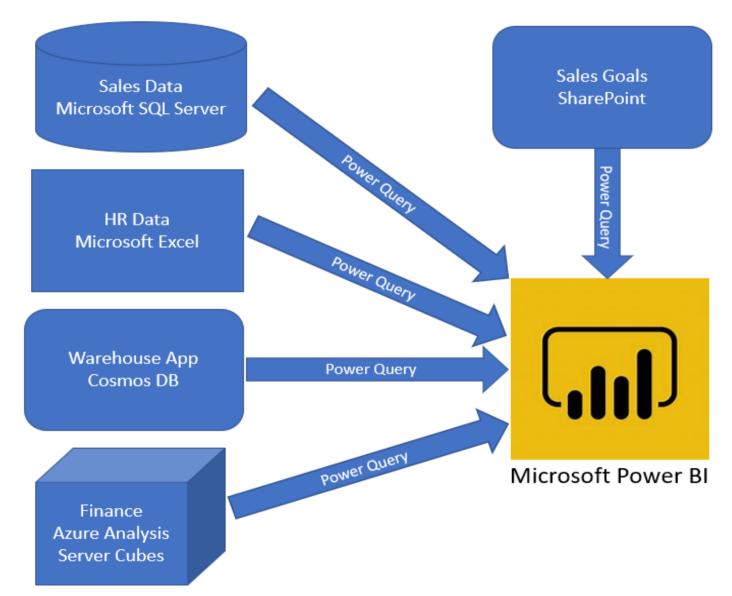
Lesson 1: Get data from various data sources





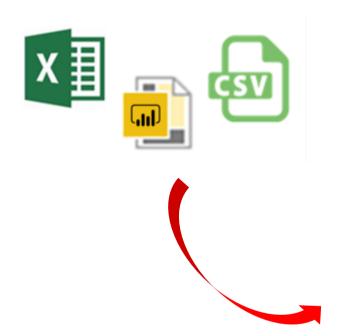
Introduction to getting data

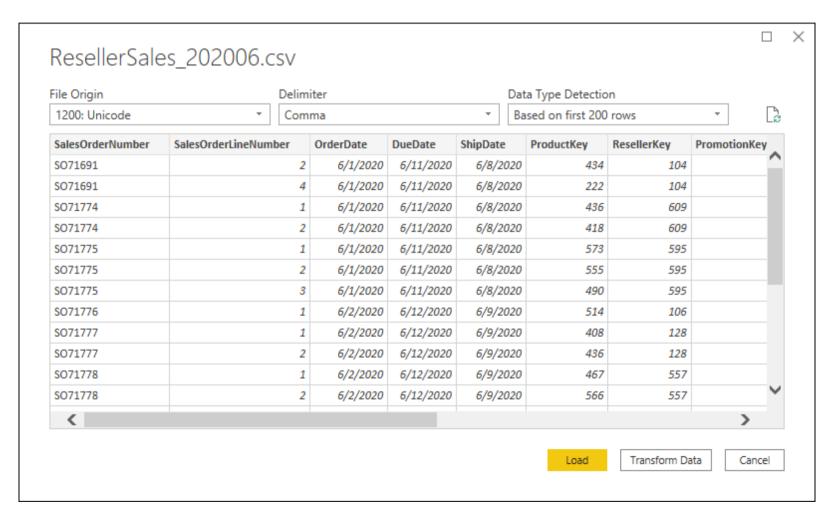
The first step in the data analysis process is identifying and getting data.





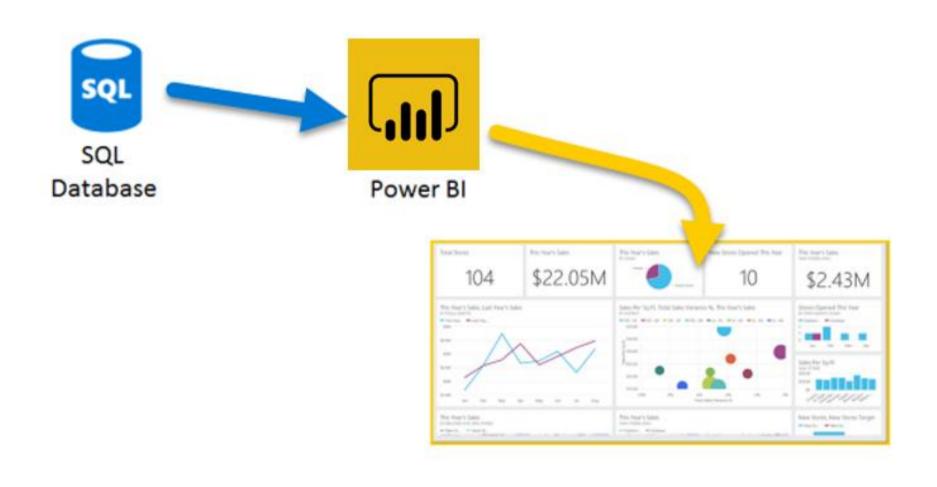
Get data from flat files





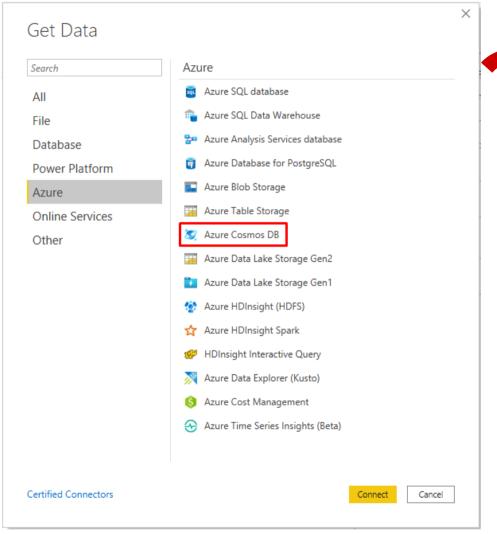


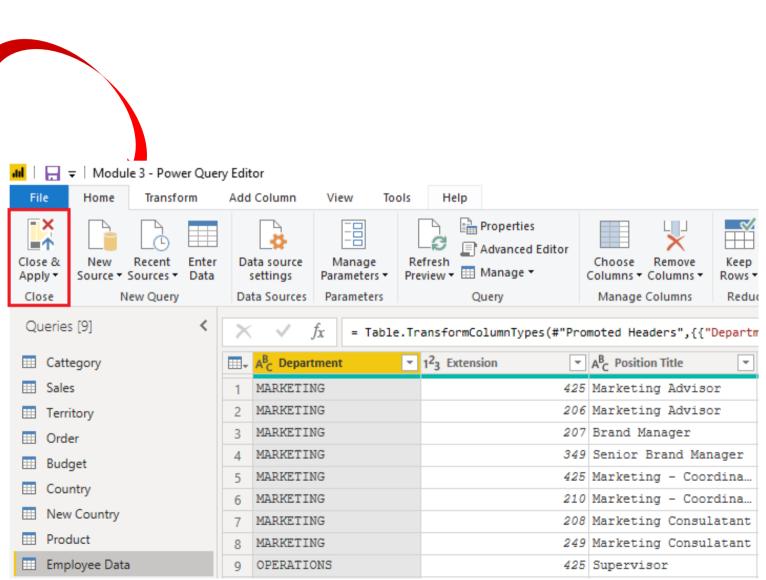
Get data from relational data sources





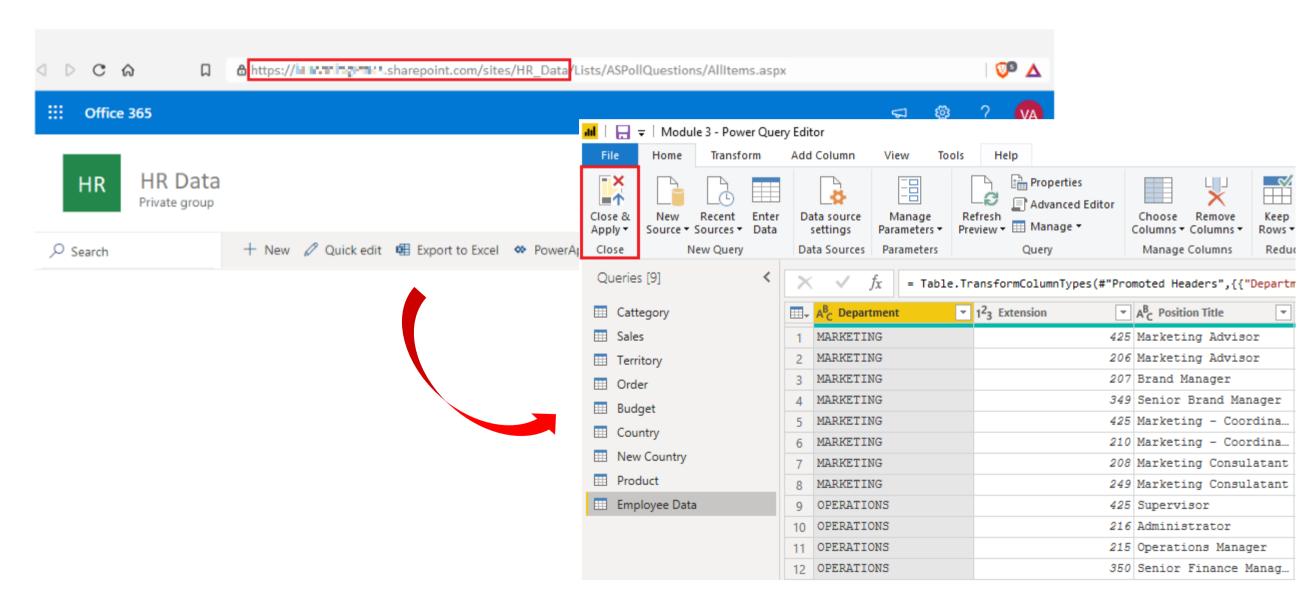
Get data from NoSQL







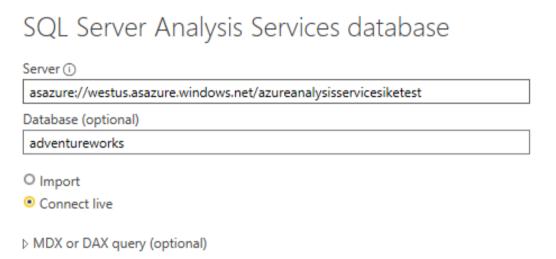
Get data from applications





Get data from Analysis Services

An analytical data engine that lets you digest data from multiple data sources and create calculations on the fly.



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OK

Cancel

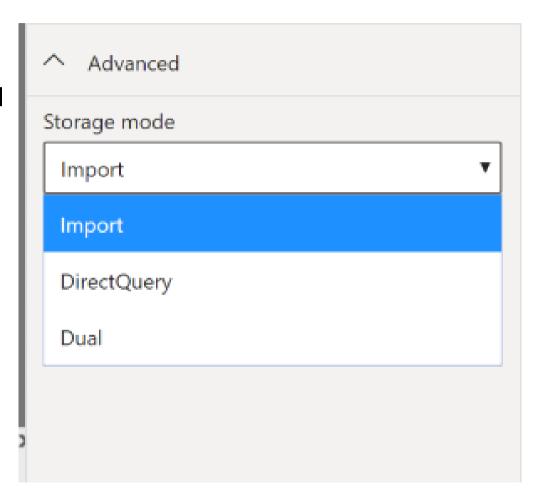
Lesson 2: Optimize Performance





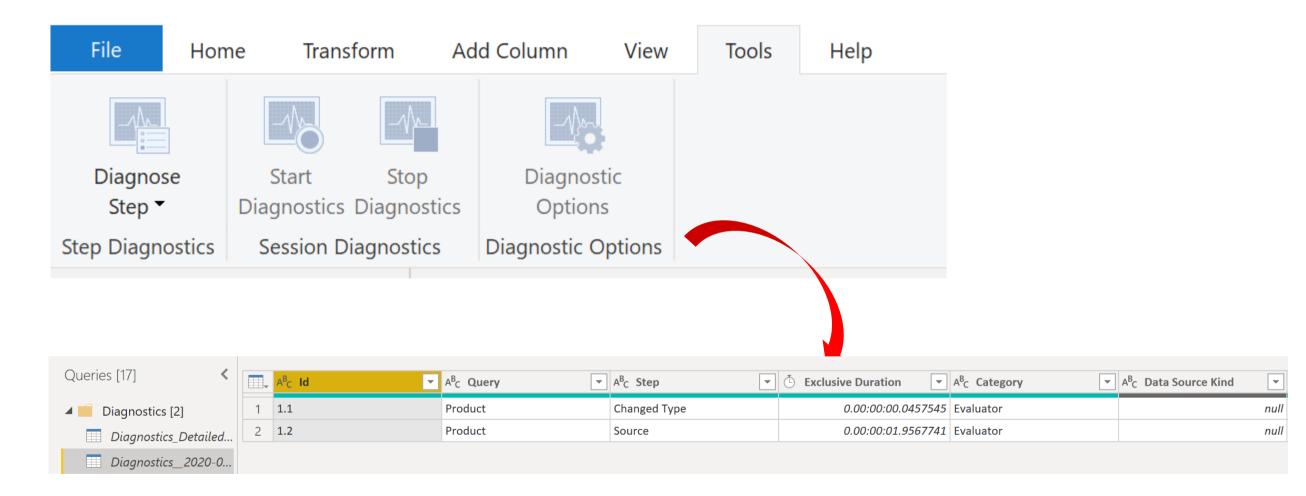
Select a Storage Mode

- Specifies the storage mode of a table and lets Power BI determine how to cache data for reports.
- Set the storage mode for each table individually.





Fix Performance Issues





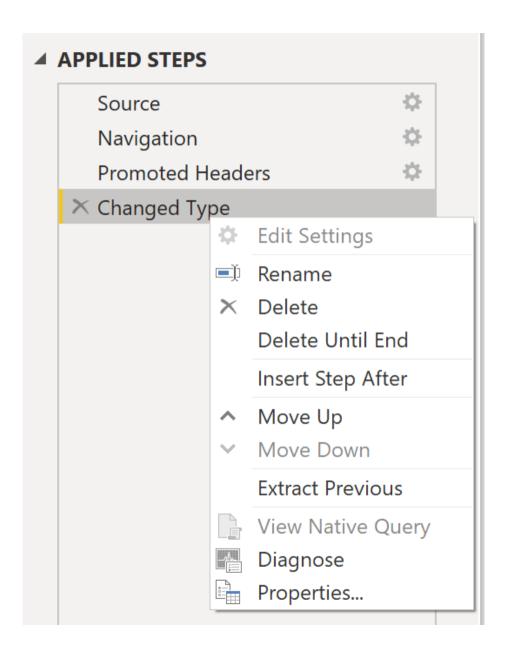
Optimize Query Performance

- Performance in Power Query depends heavily on the performance at the data source.
- Follow performance tuning guidelines of the source product.
- Some performance tuning can be done in Power BI.



Query Folding

The process that lets Power Query generate a single query statement to retrieve and transform source data.



Lesson 3: Resolve Data Errors





Identify and Resolve Data Import Errors

- You may encounter the following errors:
 - Query Timeout.
 - Couldn't find data formatted as a table.
 - Could not find file.
 - Data type errors.





Module Overview

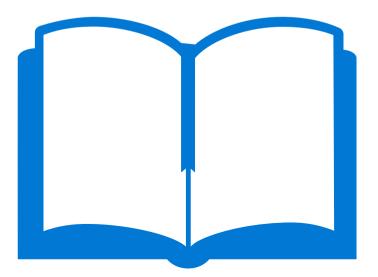
We covered the following concepts:

- Getting data from various data sources
- Optimizing Performance
- Resolving data errors



References

- PL-300 Prepare data for analysis
 https://docs.microsoft.com/en-us/learn/modules/get-data/
- PL-300 Clean, Transform, and load data in Power BI https://docs.microsoft.com/en-us/learn/modules/clean-data-power-bi/



Azure Technical Trainer Role Based Training