

Data source settings

DATA CONNECTIONS IN POWER BI

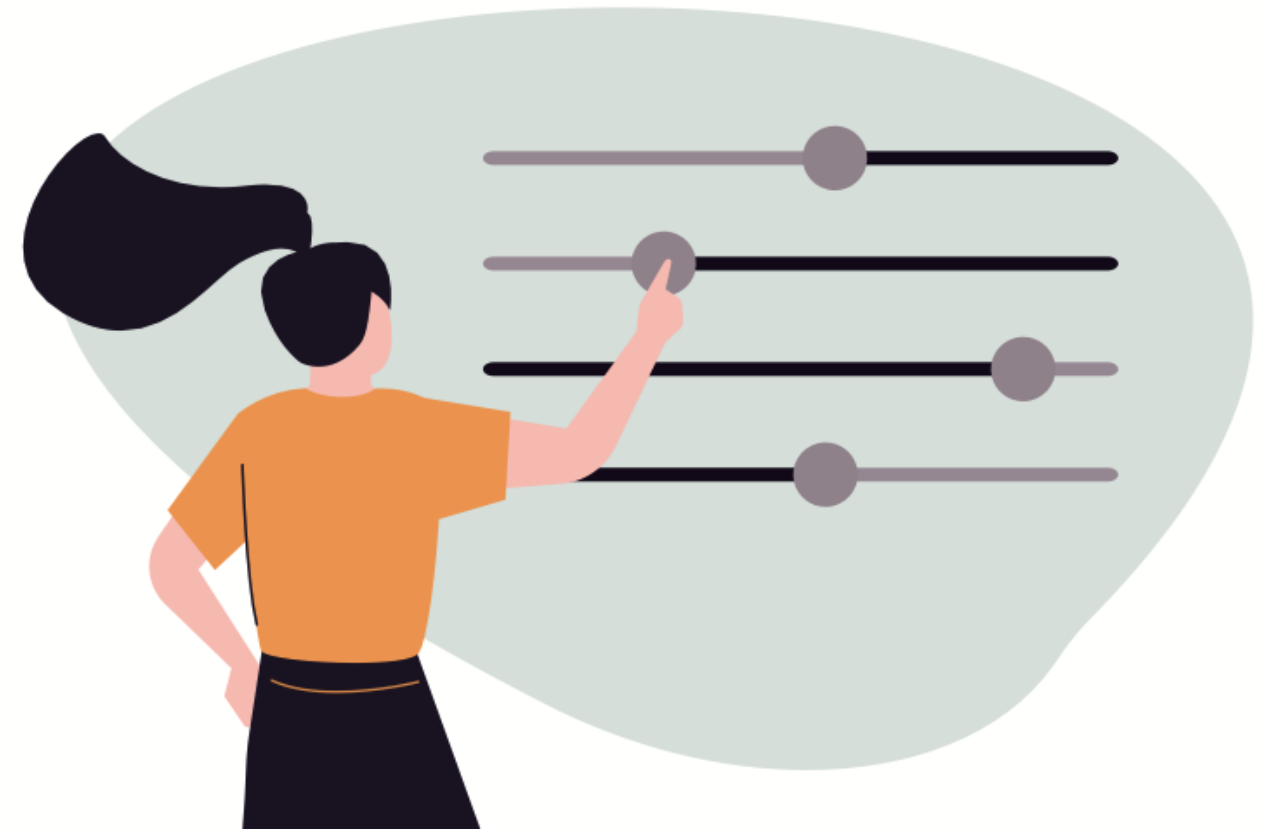


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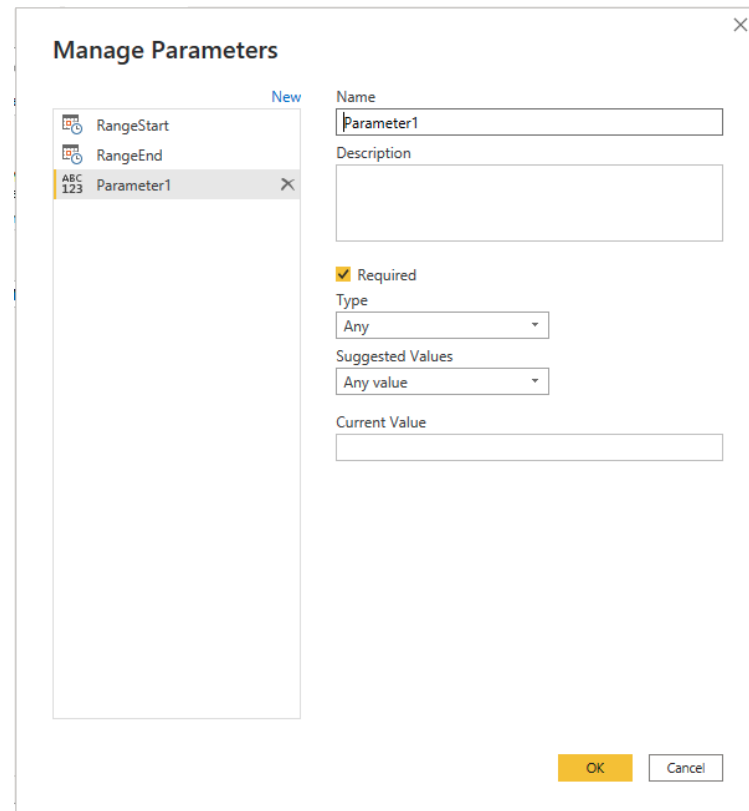
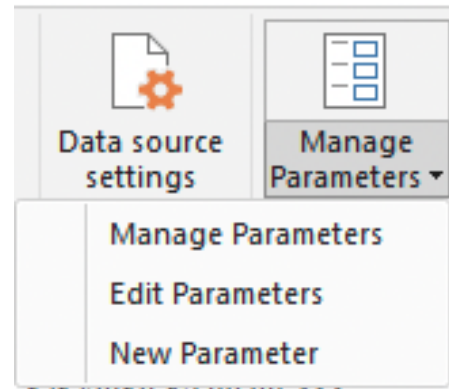
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Parameters

- Provide users the ability to store and manage values
- Useful for creating dynamic report environments
- Common uses include:
 - Filtering purposes
 - Inputs in custom functions
 - Changing data source functions
- Created and managed in Power Query Editor



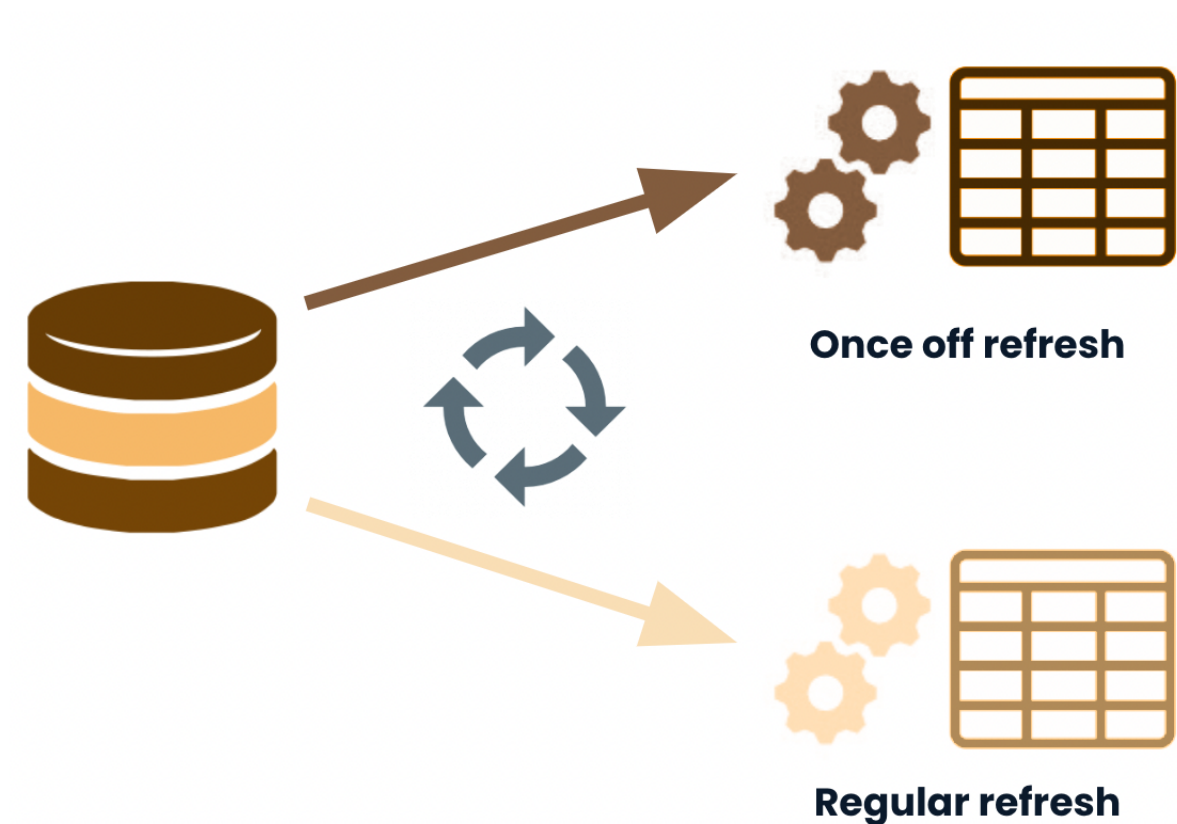
Parameters



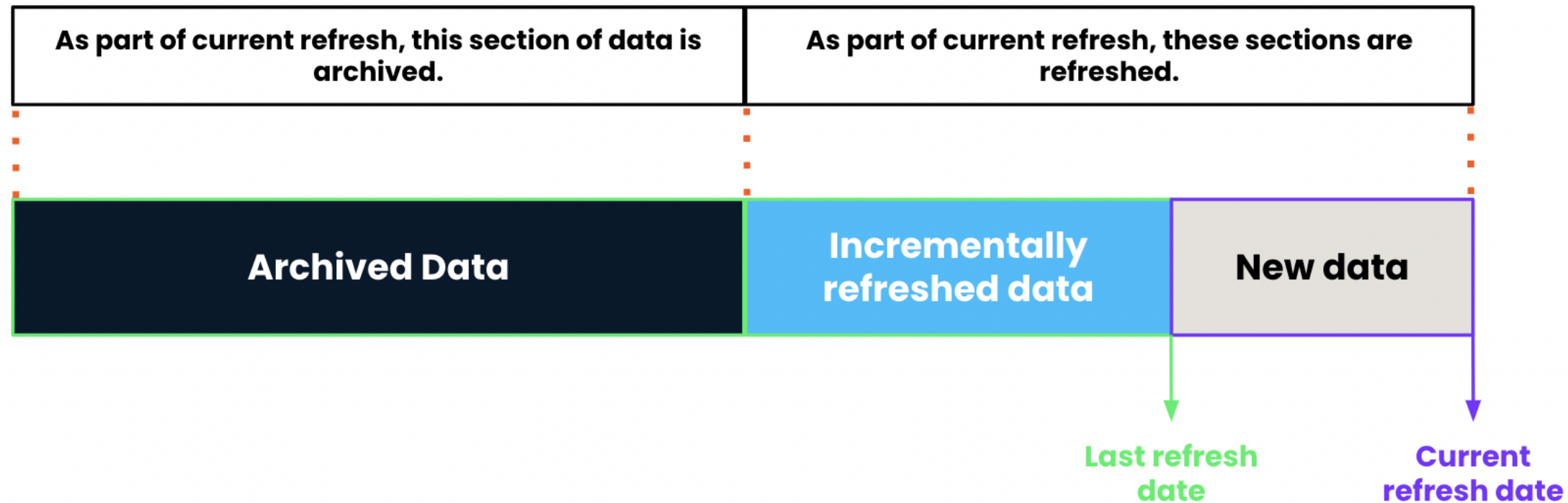
- Properties that can be set include:
 - Name
 - Value
 - Type
- Data connection uses of parameters:
 - Dynamic connections with changeable servers and databases
 - Incremental refreshes

Incremental refresh

- Partial refresh of data model created in Power BI
- Used when dealing with very large datasets or historical data
- Advantages of incremental refresh:
 - Lower refresh times
 - Less database resources consumed



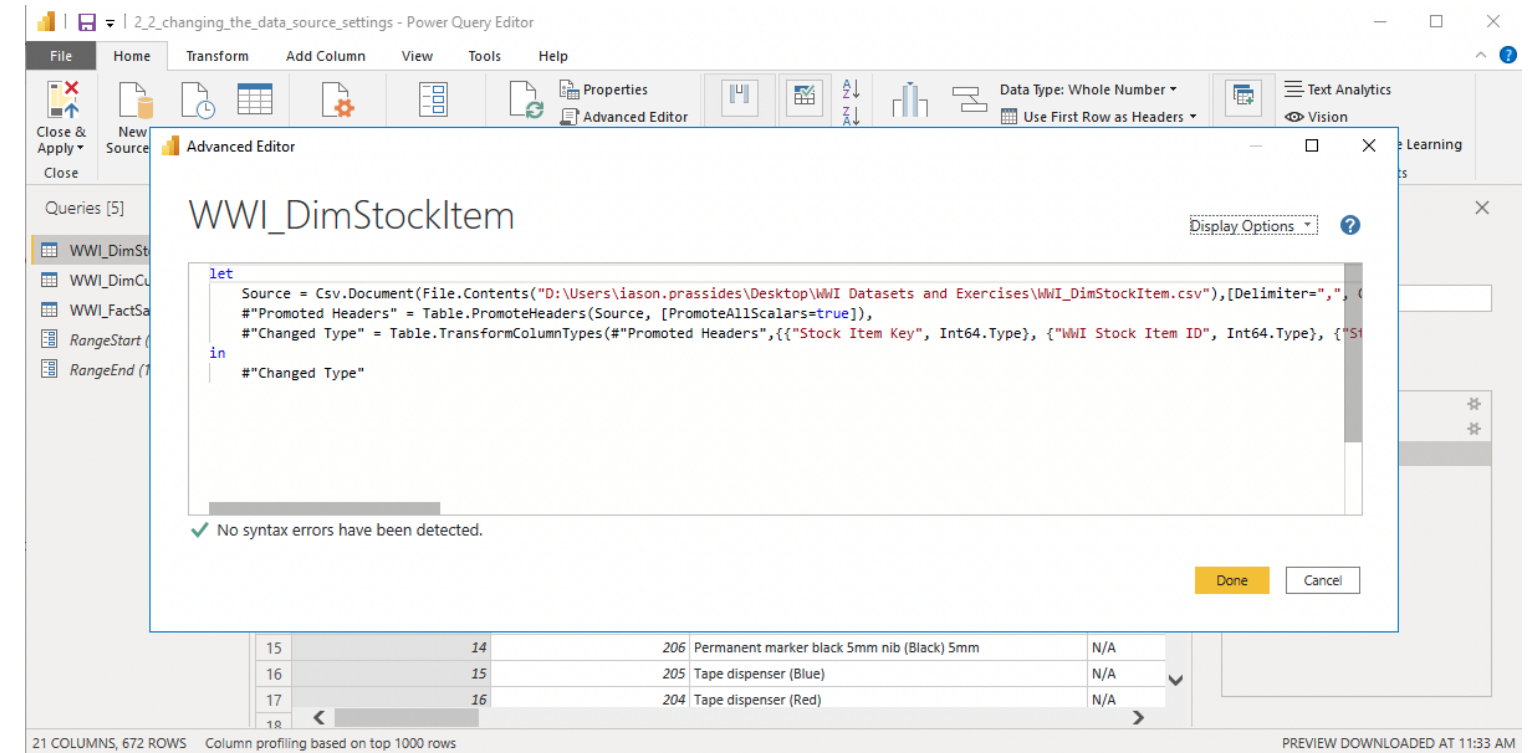
Incremental refresh



- Upon new refresh, data is either archived, refreshed, or added
- Require parameters for dynamic querying of our data sources
- Access to Power BI Service through relevant account types
- Ensure data gateways have been setup for data sources connections

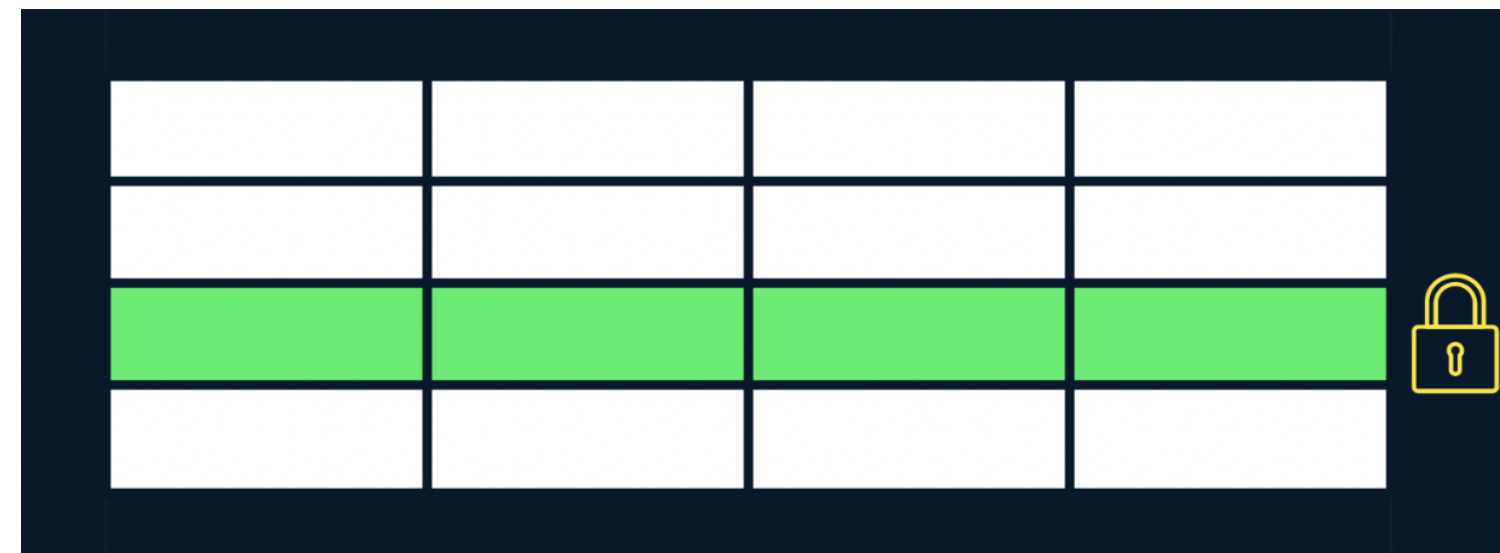
M Language

- Fixing errors in data connections
- M Language is the code used within Power Query Editor
- Useful for working with data connections during the data import stage
- Code is case-sensitive
- Library of standard functions available



Row-level security

- Row-level security (RLS) can be tailored for different user groups
- Applied on tables within the data model after the import process
- Filters data based on defined DAX rules
- RLS created in Power BI Desktop, and take effect in Power BI Service



The diagram shows a table with 4 columns and 4 rows. The third row is highlighted in green, indicating it is the only row visible due to row-level security. A yellow padlock icon is positioned to the right of the table, signifying that the data is locked or restricted.

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Let's practice!

DATA CONNECTIONS IN POWER BI

Parameters and incremental refresh

DATA CONNECTIONS IN POWER BI



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Let's practice!

DATA CONNECTIONS IN POWER BI

Discovering M Language

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Congratulations

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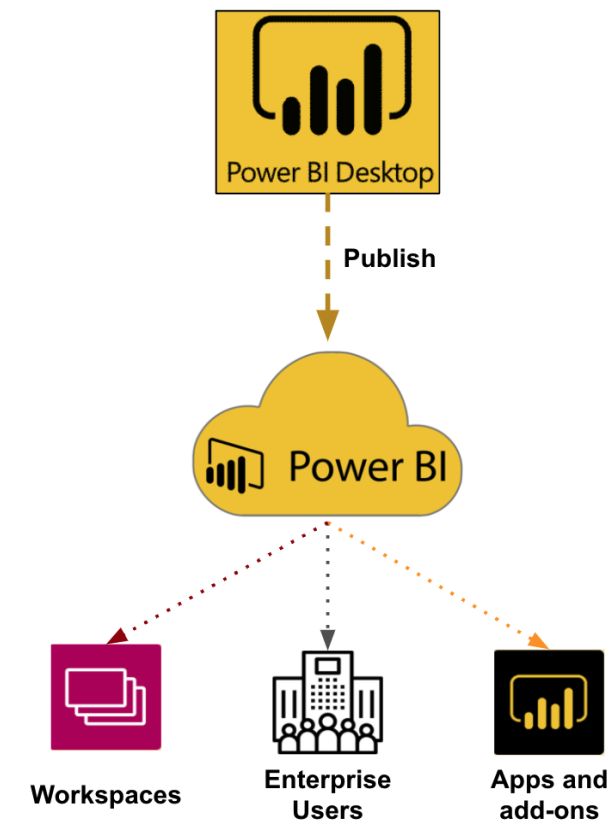
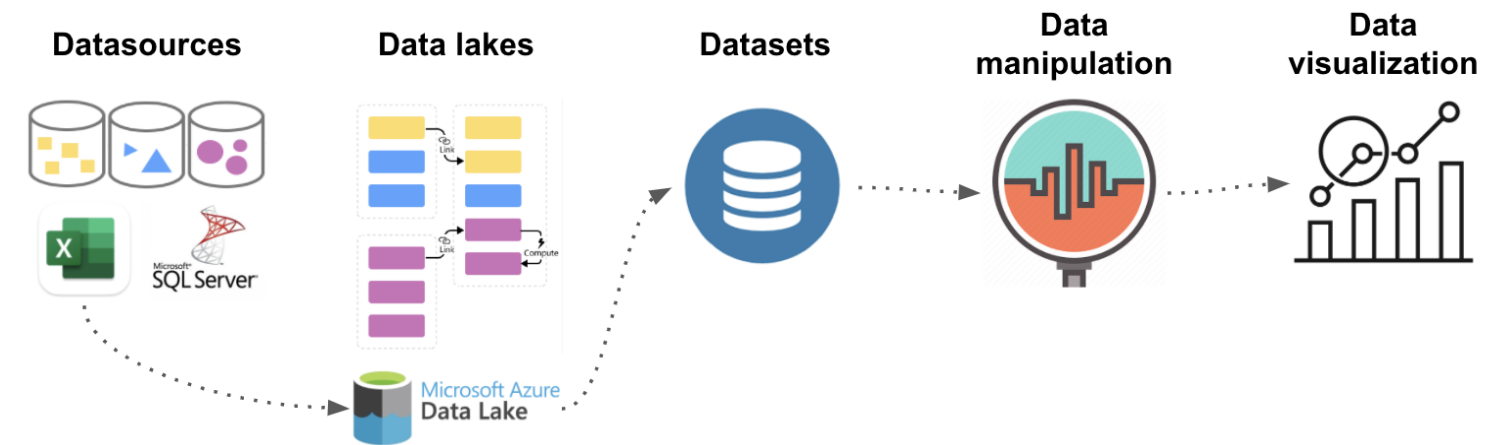


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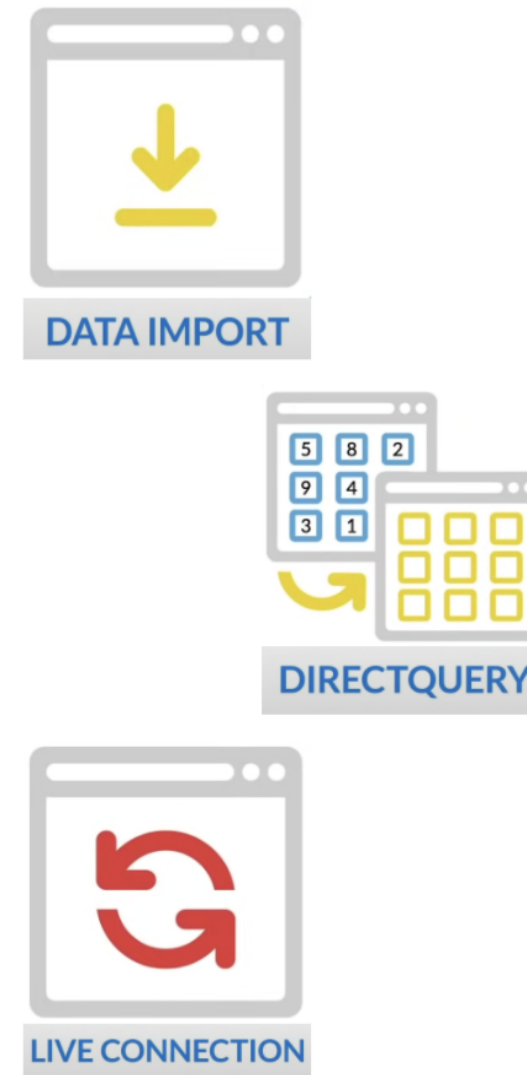
Chapter 1: Data Connections in Power BI

- What data means to businesses
- Data flow processes
- Power BI Service data features
- Fundamental data connection features in Power BI Desktop
- Power BI Service introduction



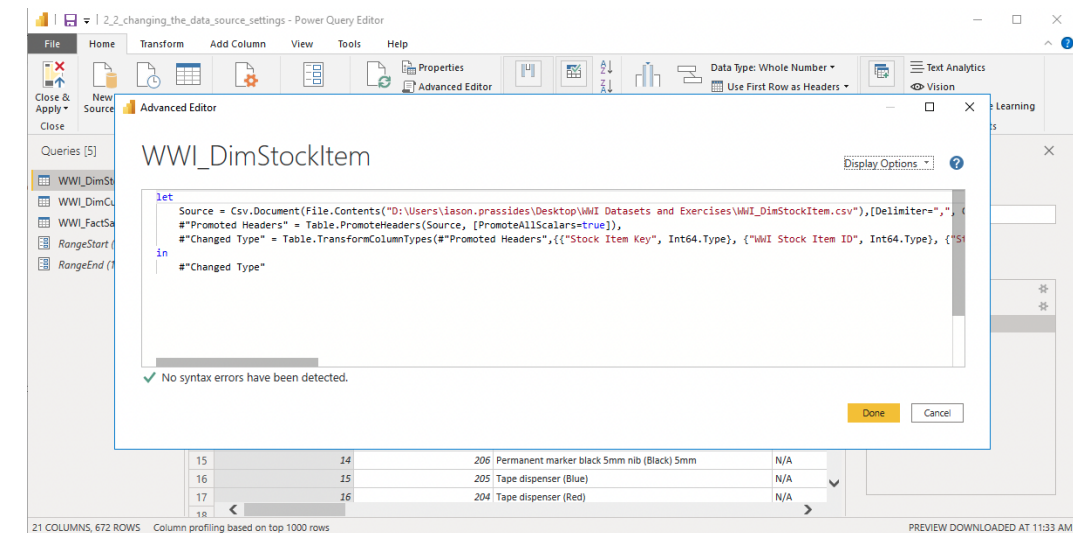
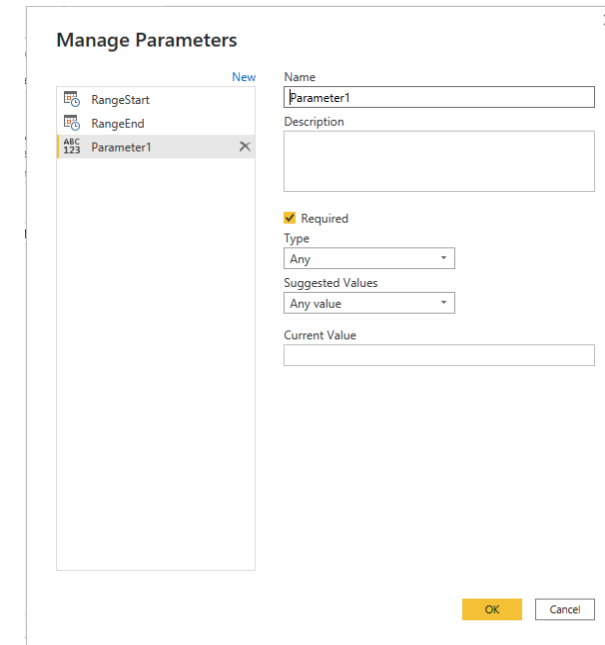
Chapter 2: Databases and More

- Storage modes in Power BI
- Different database connections
- Connection to an ODBC source



Chapter 3: Further Data Source Settings

- Parameters
- Incremental refresh
- M Language and Advanced Editor



Congratulations!

DATA CONNECTIONS IN POWER BI