PRO TIP: Storage & Connection Modes <Doc 000024X-Day 00006Y BI>

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Power BI Desktop supports several types of Storage and Connection Modes

Import: Tables are stored in-memory within Power BI and queries are fulfilled by cached data (default)
- Dataset is less than 1 GB after Compression
- Fast Performance
- Source Data does not change frequently
- No restrictions on Power Query, Data Modeling or DAX Functions

DirectQuery: Tables are connected directly to the source and queries are executed on-demand at the data source
- Dataset is too large to be stored in-memory
- Source Data changes frequently and reports must reflect changes
- Company Policy states that data can only be access from the original source

Composite Model (Dual): Tables come from a mix of Import and DirectQuery modes, or integrate multiple DirectQuery Tables
- Boost Performance by setting appropriate storage for each table
- Combine a DirectQuery Model with additional imported data
- Create a single model from two or more DirectQuery Models

Live Connection: Connect to pre-published Power BI datasets in Power BI Service or Azure Analysis Services
- Create one dataset that serves as a central source of truth
- Analyst teams can create different reports form the same source
- Multi-developer teams where one user builds the model and another works on the visualization

For our Maven Analytics Course we'll be using Import for all of our Datasets

You might get to be an Advisor to Businesses on how to set up their Data Connections based on their Business Case or Business Needs