

# Data connections in Power BI

DATA CONNECTIONS IN POWER BI



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# The importance of data

## Why is data important?

- Beneficial for different sized companies and industries
- Used to support decision making:
  - Company KPIs
  - Marketing efficiency

## Understand company data

- Internal data:
  - Collected by the company itself
  - Relates to their own operations
- External data:
  - Collected by external companies
  - Related to more general information

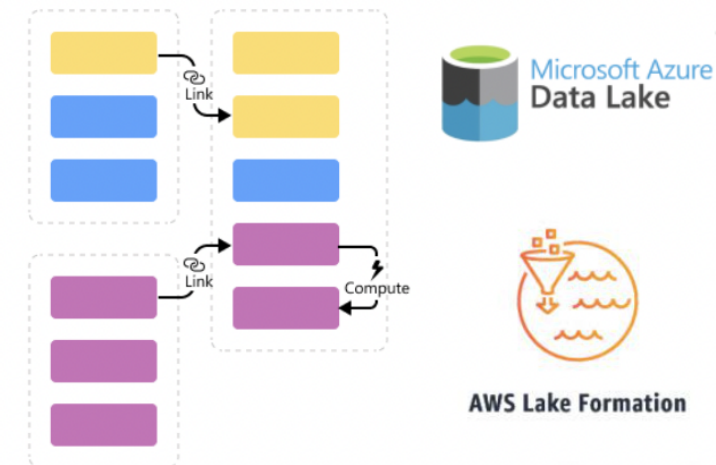
# Storing data

- Data source is the original source of data
  - Database management systems (MySQL, Oracle, etc.)
  - CSV/Excel files
  - Web services
- Data lakes gather data from many different sources
- Datasets are collections of processed data in tabular form

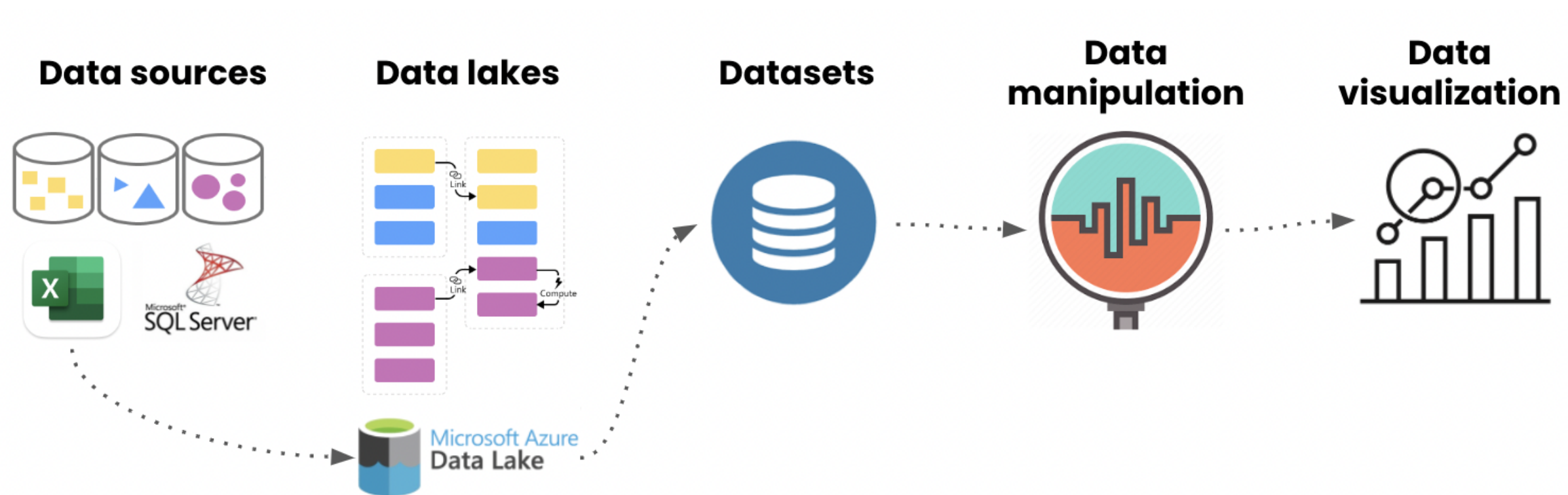
## Data sources



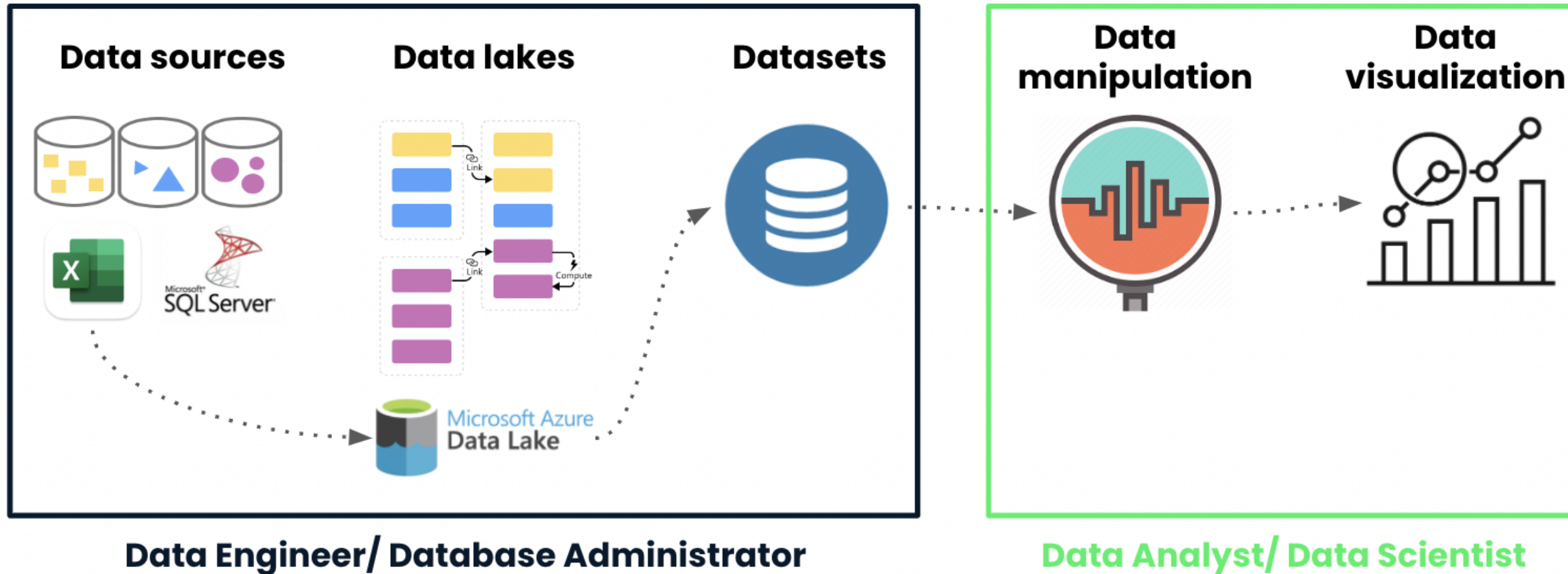
## Data lakes



# The flow of data



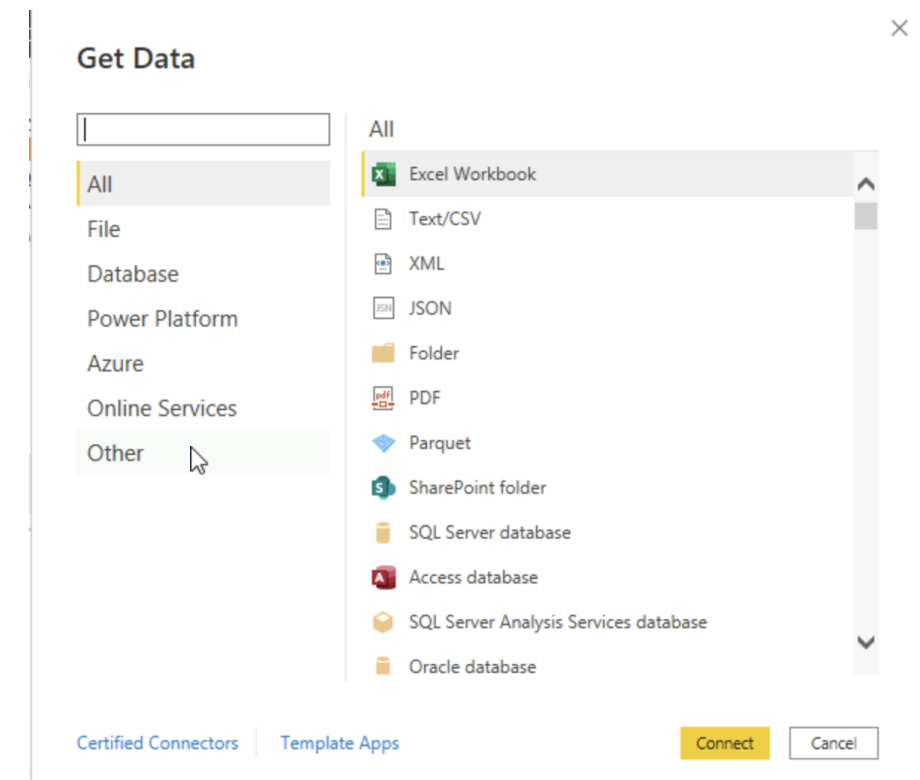
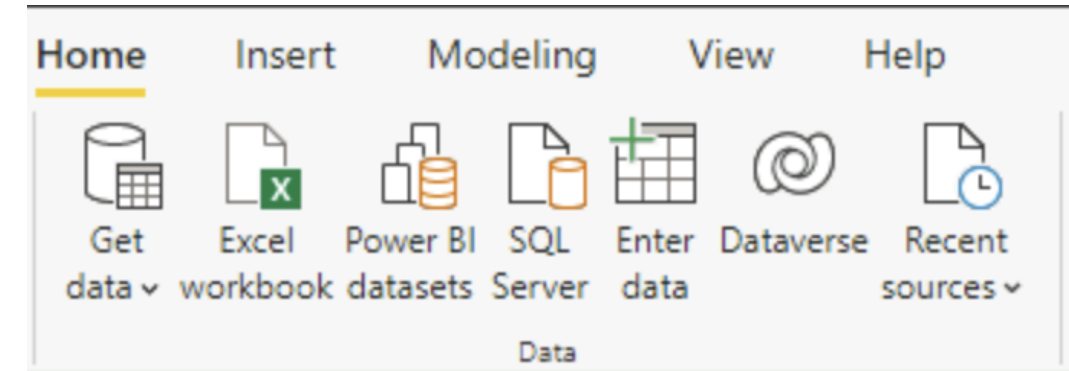
# The flow of data



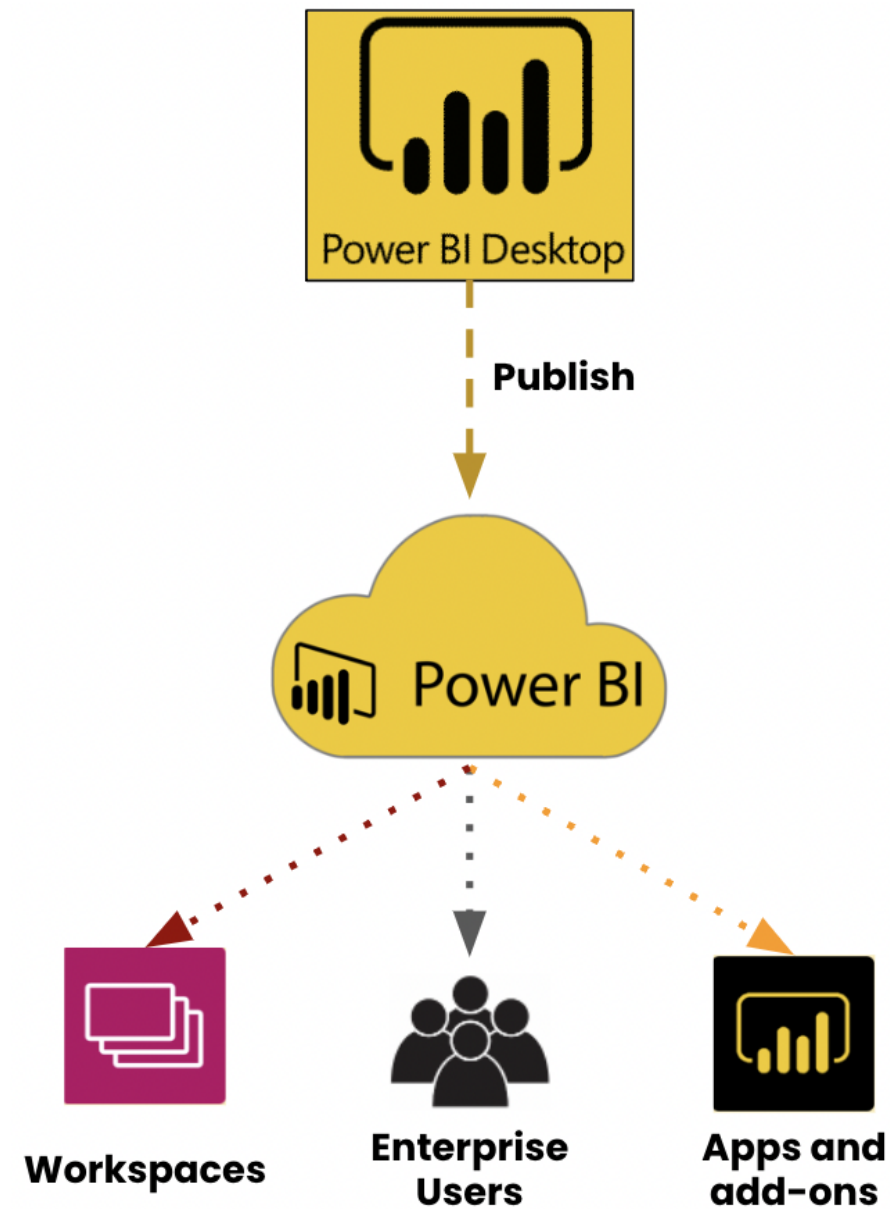
- Data engineers are involved with the first stages, while data analysts deal with the latter stages
- A logical flow of data allows for more efficient utilization of company data

# Data in Power BI Desktop

- Over 100 data connections available
  - Excel files
  - Databases
  - Online Services
- Dataverse is a cloud-based storage space



# Power BI Service



- SaaS (Software as a Service) version of Power BI
- Workspaces allow organization of content
- Access for entire enterprises
- Apps provide resource for reporting and analytics

# Data in Power BI Service

- Share and manage company datasets and reporting
- Dashboard building capabilities
- Data gateway connections
- Scheduled refreshes

Power BI Home

Trial: 54 days left

Search

Good afternoon, Iason

Find and share actionable insights to make data-driven decisions

+ New report

Recommended

You frequently open t...

BI Team Test

You frequently open t...

My workspace

Getting started with Power BI

Explore basic Power...

Getting started with Power BI

Intro—What is Power BI

Recent Favorites My apps

See all

Name	Type	Opened	Location
DimEntity Test	Dataset	now	My workspace



# Power BI comparison

Power BI Desktop	Both	Power BI Service
Many data sources Transforming Shaping & modeling Measures Calculated columns Python Themes RLS creation	Reports Visualizations Security Filters Bookmarks Q&A R visuals	Some data sources Dashboards Apps & Workspaces Sharing DataFlow creation Paginated reports RLS management Gateway connections

- Desktop application useful for loading, transforming and manipulating data
- Service application has strengths in sharing different assets
- Report building and security measures available in both

# Let's practice!

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# Power BI Desktop connections

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# Let's practice!

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# Welcome to Power BI Service

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