

# PowerBI: The Self-Service BI Revolution

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# Today's Speaker

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Sr. Consultant – Premier Support for  
Developers at Microsoft

Over 12 years experience with SQL Server

Roles have included DBA, Data Architect, BI  
Architect, Cloud Consultant, etc.

Technical Editor for Hadoop and Cloud books

Speaker at Data and Developer Focused  
conferences



# Housekeeping

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Half Day session

Many Breaks

Bathroom location

# That's me, who are you?

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- WHO ARE YOU?
  - WHAT ARE YOU LOOKING TO GET OUT OF THIS SESSION?
  - EXPERIENCE WITH POWERBI
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# Agenda

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## BI Basics


- What is it?
- Types?

## Self-Service BI

## Power BI Basics

## The Revolution

## Business Cases

- Good Scenarios
  - Demos
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# Business Intelligence

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BASIC GROUNDWORK



# What is Classic Business Intelligence?

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Using data to make business decisions

Data Mining

- Searching data for meaning

Historical View

Normally not 3NF model


# BI System

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## Main Layers

- Transformation
- Staging/Data Storage
- Analytics
- Visualization

## Other Layers

- Data Quality System
  - Master Data Layer
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# Types of BI Solution

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## Enterprise BI

- Full Scale Solution
- Designed to support and entire company
- Developed by IT
- Long Term implementation

## Self-Service BI

- Can piggy back off of a full scale solution
- Developed by Power User to support their and/or their team's needs

## Personal BI

- Reporting to support an individual's needs
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# Self-Service BI

WHAT IS THE REVOLUTION?

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# What makes it Self-Service BI

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Your solution for YOU

Quicker “to market”

Not a “ground-up” solution all the time

- Usually Hybrid build
- Based somewhat off of existing Enterprise solution
- Added value from other non-Enterprise BI sources

# Introduction to PowerBI

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WHAT ARE THE PIECES TO THE PUZZLE?



# PowerBI Quick Facts

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Designed to bring BI to the users

Truly democratize your data

A BI Platform that you can carry with you


A Child of the “Excel Power Tools”

- Power Query
- Power Pivot
- Power View
- Power Map

# PowerBI System Translation

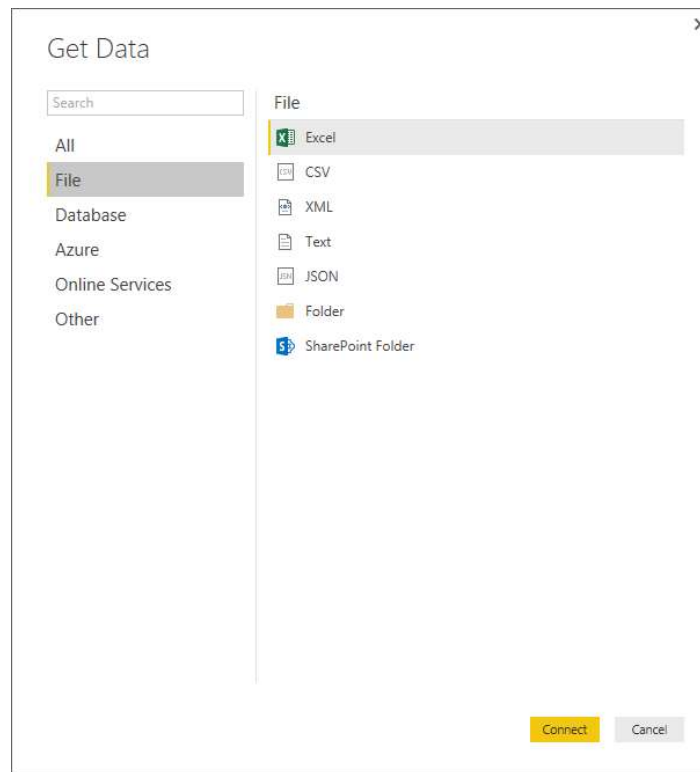
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## Main Layers

- Transformation – Power Query
  - Staging/Data Storage – Power Pivot
  - Analytics – Power Pivot
  - Visualization – Power View/Map
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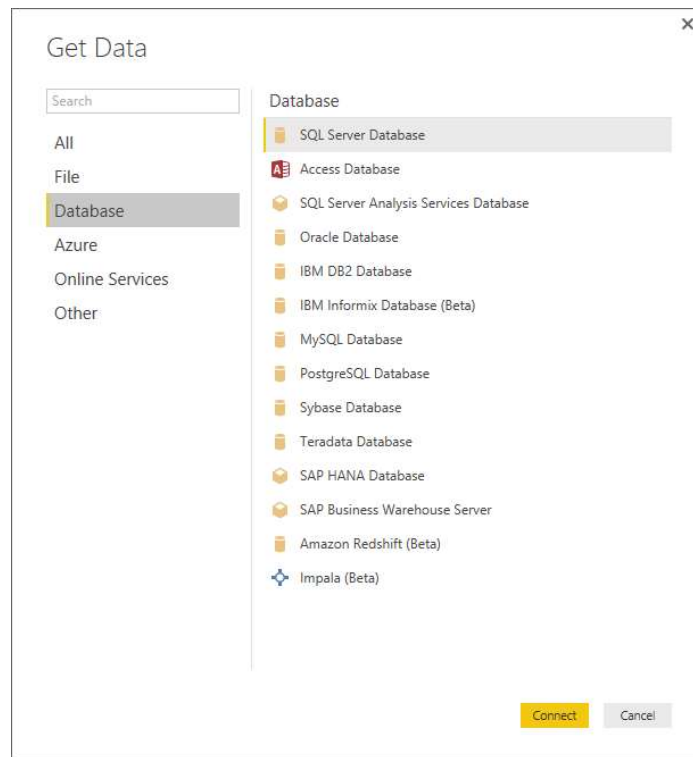
# Creating queries

Source types: File



# Creating queries

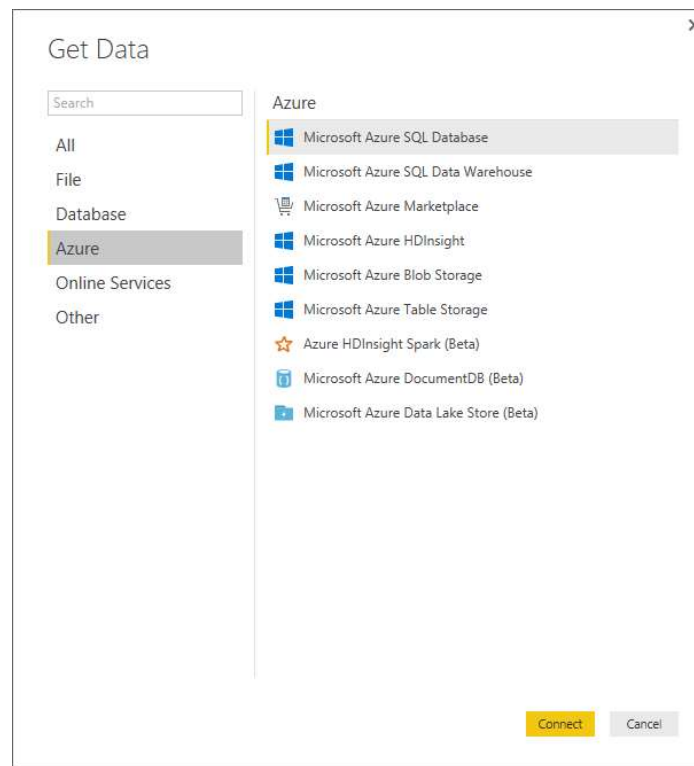
Source types: Database





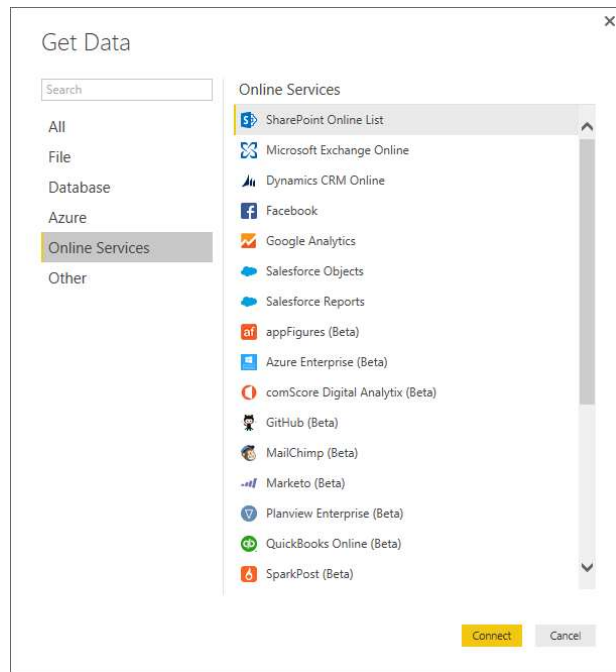
# Creating queries

Source types: Azure



# Creating queries

Source types: Online Services The list also includes:

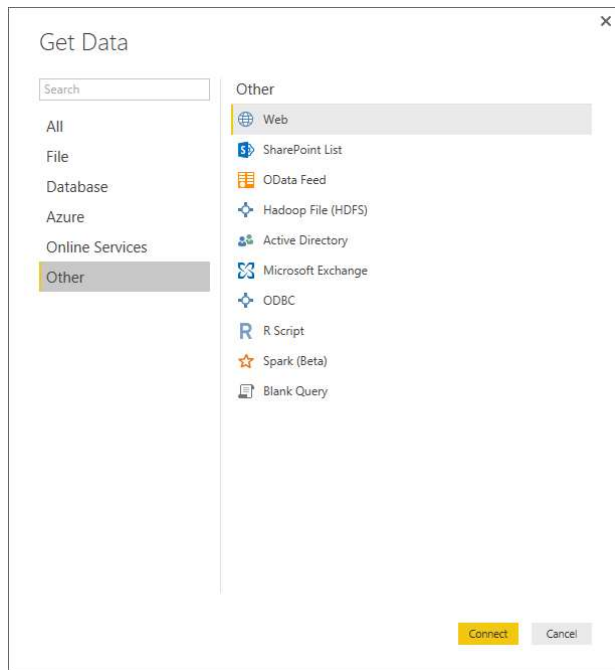


- Smartsheet
- SQL Sentry (Beta)
- Stripe (Beta)
- SweetIQ (Beta)
- Troux (Beta)
- Twilio (Beta)
- tyGraph (Beta)
- WebTrends (Beta)
- Zendesk (Beta)

\* As at  
August, 2016  
And the list is growing!

# Creating queries

## Source types: Other



Note: The following are not supported for on-premises refresh

- Hadoop File (HDFS)
- Microsoft Exchange

# Business Cases

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WHAT DO YOU HAVE?



# Wrap It Up

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PUT A BOW ON IT

