

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

Half Day session

Many Breaks

Bathroom location

That's me, who are you?

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

Agenda

BI Basics

- What is it?
- Types?

Self-Service BI

Power BI Basics

The Revolution

Business Cases

- Good Scenarios
- Demos

Business Intelligence

BASIC GROUNDWORK

What is Classic Business Intelligence?

Using data to make business decisions

Data Mining

- Searching data for meaning

Historical View

Normally not 3NF model

BI System

Main Layers

- Transformation
- Staging/Data Storage
- Analytics
- Visualization

Other Layers

- Data Quality System
- Master Data Layer

Types of BI Solution

Enterprise BI

- Full Scale Solution
- Designed to support an 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

Self-Service BI

WHAT IS THE REVOLUTION?

What makes it Self-Service BI

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

WHAT ARE THE PIECES TO THE PUZZLE?

PowerBI Quick Facts

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

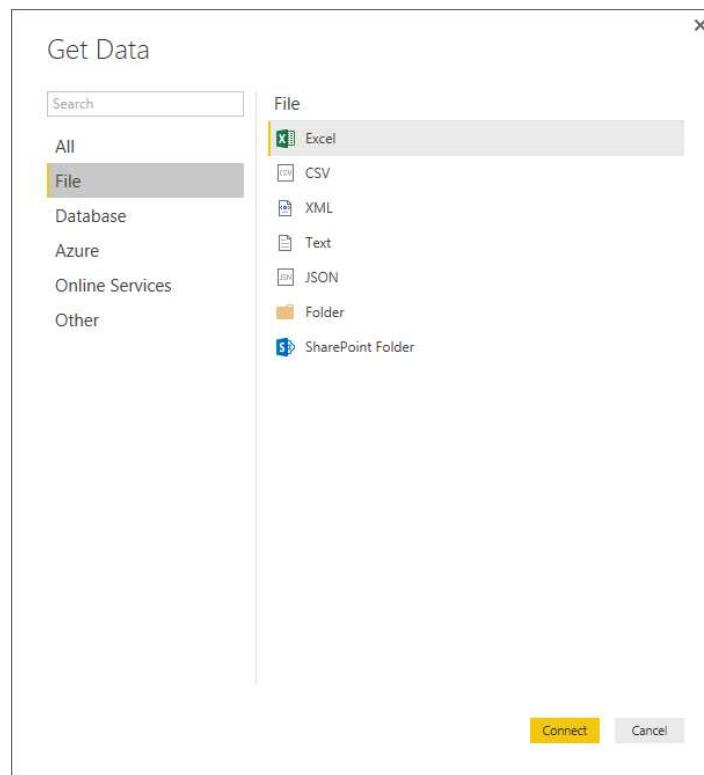
PowerBI System Translation

Main Layers

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

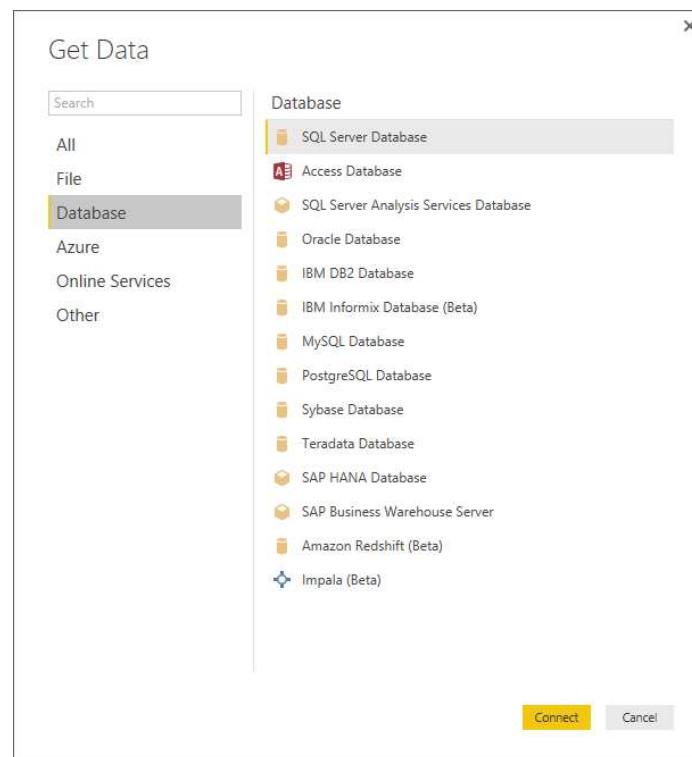
Creating queries

Source types: File



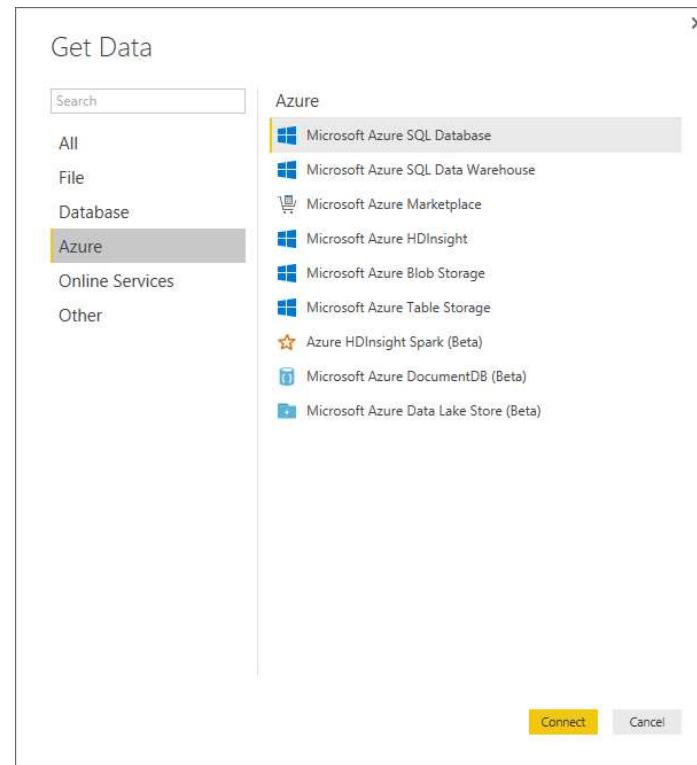
Creating queries

Source types: Database



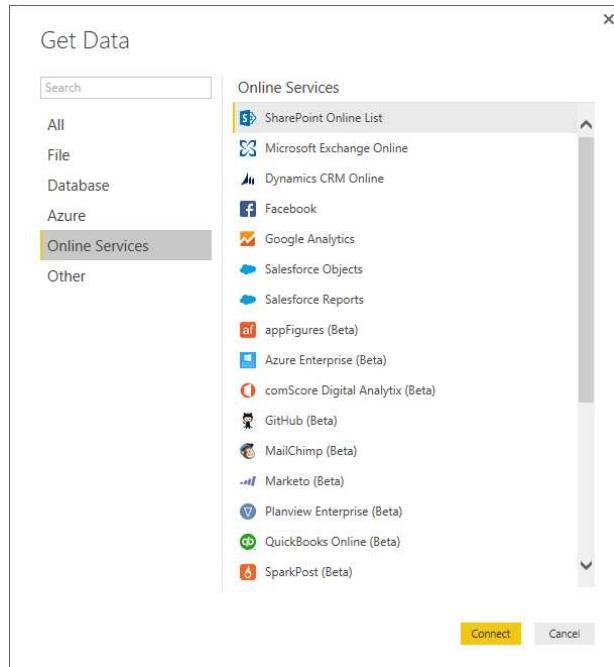
Creating queries

Source types: Azure



Creating queries

Source types: Online Services



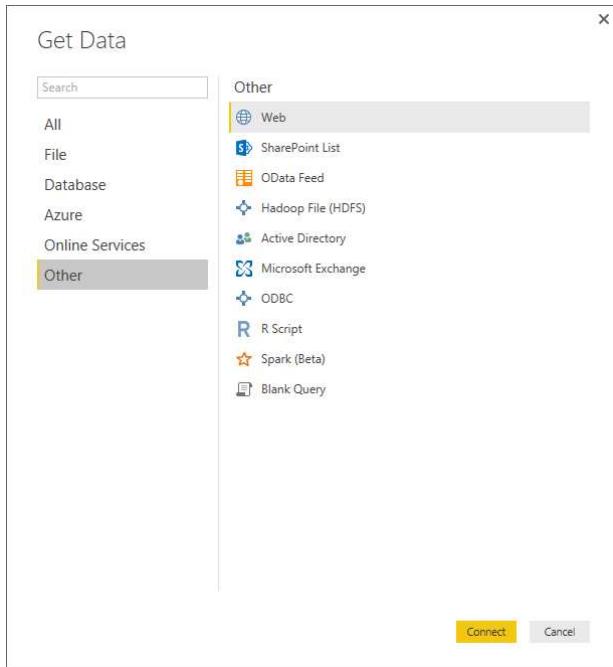
The list also includes:

- 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

WHAT DO YOU HAVE?

Wrap It Up

PUT A BOW ON IT