

# Self Service Business Intelligence with a Tool End Users Already Know & Love

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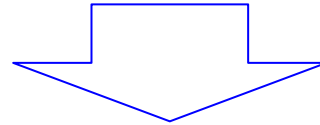
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# Speaker:



# Wylie Blanchard

- SQL Server Database Consultant
- MCSE: SQL Server Data Platform
- MCSE: Data Management and Analytics
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- Pizza Connoisseur (self proclaimed)

# Presentation Summary

Your end users want to analyze data in your data warehouse. They want it yesterday and they want to do it themselves so that it's done "right".

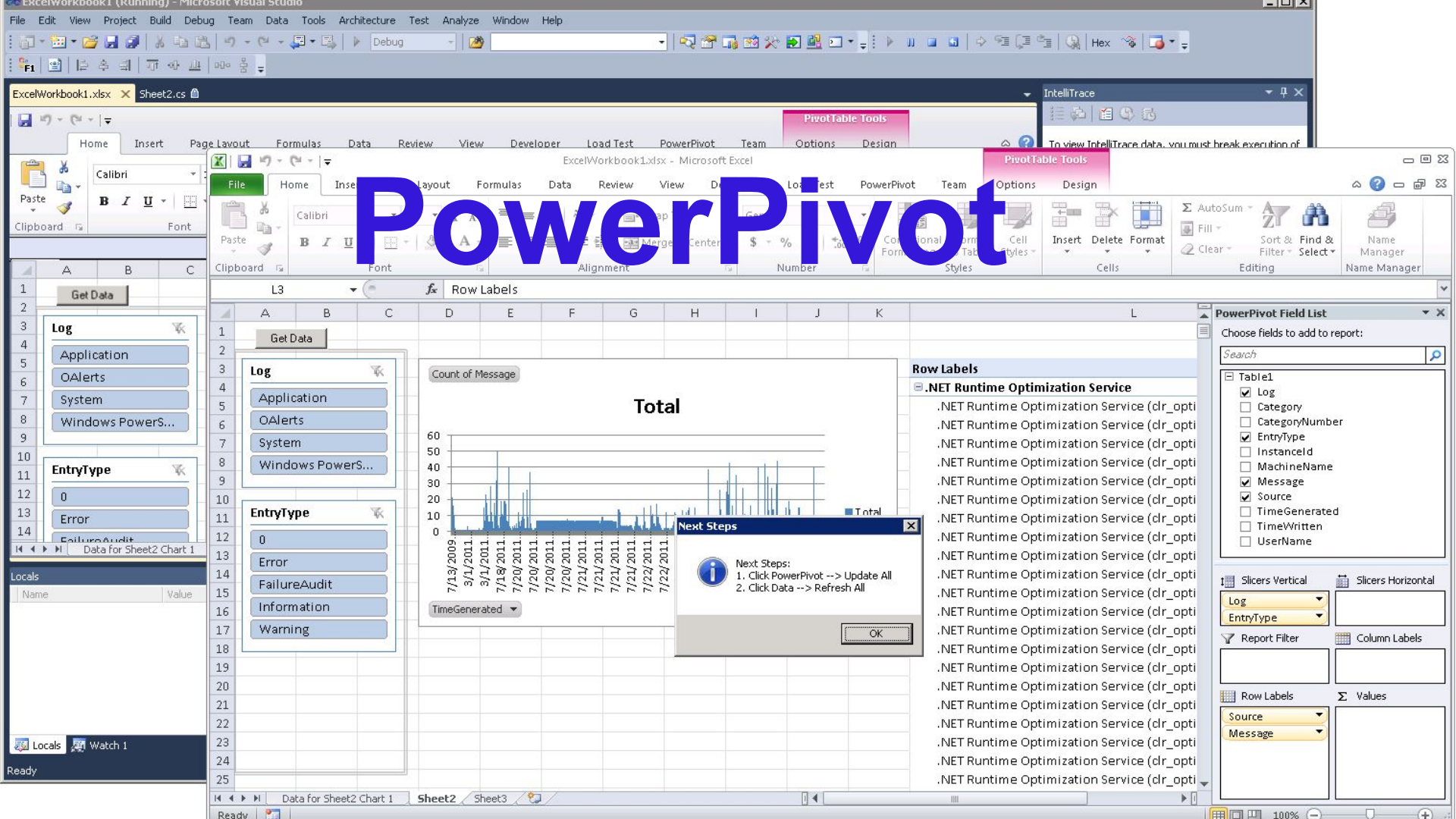
Welcome PowerPivot, a tool that analyzes data from your data warehouse by combining the power of Analysis Services models and your SQL Server Data warehouse within the familiar interface of MS Excel.

# Presentation Summary (cont.)

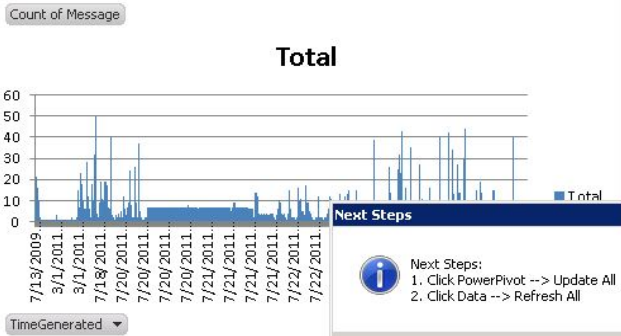
In this presentation we'll explore the Analysis Services BI Semantic model & Power Pivot in Excel.

Love, Like or hate Excel...

Your end users are familiar with it and PowerPivot is the best thing to happen to it in years.



# PowerPivot



**PowerPivot Field List**

Choose fields to add to report:

Search

Table1

- Log
- Category
- CategoryNumber
- EntryType
- Instanced
- MachineName
- Message
- Source
- TimeGenerated
- TimeWritten
- UserName

Slicers Vertical    Slicers Horizontal

Log    EntryType

Report Filter    Column Labels

Row Labels    Values

Source    Message

# What is Power Pivot

- Extends MS Excel Data Models
- Allows users to conduct powerful business intelligence (BI) analysis with a familiar tool
  - Quickly import millions of rows
  - Create relationships between different data sources
  - Use DAX (Data Analysis Expressions) language to create calculated fields (similar to excel formulas)

# Why Use Power Pivot for Excel

- Self Service Business Intelligence tool for experienced MS Excel professionals
- PowerPivot is NOT new to excel users, it's just an extension of what you already know
- Table Relationships are more efficient than VLOOKUP





# Faster, Bigger, Smaller

- Calculates formulas faster than excel spreadsheet
- Import large data sets without “row import limitations”
- Enhance compression for smaller file sizes

# Brief History - Power Pivot

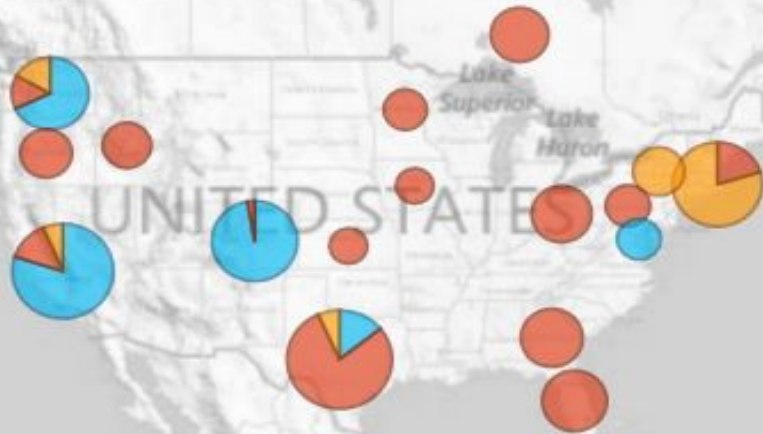
- 2006 Amir Net introduced a BI “sandbox” concept that allows BI applications to be created easily
  - Originally intended for MS Access, not Excel
  - Conceived to utilize in-memory for fast processing
- 2010 Microsoft released **PowerPivot for Excel** and **PowerPivot for SharePoint** with the release of Microsoft SQL Server 2008 R2

# Power Pivot's Growth

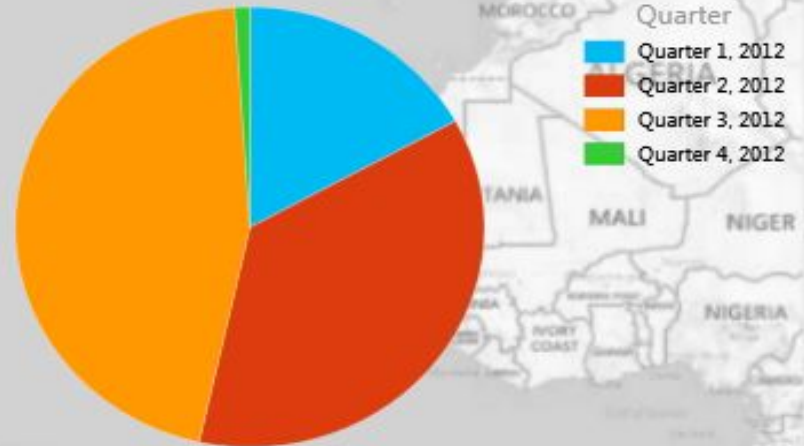
- Microsoft renamed PowerPivot as "Power Pivot"
  - (note the spacing in the name)
- In Excel 2010, it's a downloadable Add-In
- In Excel 2013, it's a preinstalled ready to activate Add-In
- In Excel 2016, it's included natively in the application's menu ribbon



# Power View



Customer due by quarter



# Explore, Visualize & Present your data

- Power View Enhances how you view data
  - Interactive dashboards
  - Connect to different data models in one workbook
- New Visualization options
  - Maps
  - Key Performance Indicators
  - Use of Hierarchies

# Demo

- Analyze Data SQL Server Data w/ Power Pivot
- Present Data with Excel & Power View



# Resources / Recommended Reading

- [Power Pivot: Powerful data analysis and data modeling in Excel](#)
- [Use a BI Semantic Model Connection in Excel or Reporting Services](#)
- [Get data from Analysis Services](#)
- [PowerPivot for Excel Tutorial Introduction](#)

# Thank You

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