

SSAS Tabular in 60 mins: Developing Business-Driven Self-Service BI

Wylie Blanchard
IT Consultant; Database Technology

About Great Tech Pros

- **Great Tech Pros was founded in 2012**
- **Specialties include:**
 - IT Consulting
 - Database Administration, Management
 - Data Analysis
 - Website Design and Development
 - Professional Training and Presentations
- **Visit us at www.GreatTechPros.com**

Speaker:



Wylie Blanchard

- **SQL Server Database Consultant**
 - MCSE: SQL Server Data Platform
 - MCSE: Data Management and Analytics
- **Website: WylieBlanchard.com**
- **LinkedIn: [in/WylieBlanchard](https://www.linkedin.com/in/WylieBlanchard)**
- **Twitter: [@WylieBlanchard1](https://twitter.com/WylieBlanchard1)**

- **Pizza Connoisseur (self proclaimed)**



Presentation Summary

In this session we'll develop a Tabular Data Model in MS SSAS and review our options for deploying, sharing and visualizing it.

We'll also discuss how senior leaders will see the business value of SSAS and how end users can utilize it for Self-Service Business Intelligence.

BI Semantic Model & Tabular (VertiPaq) models

3rd party applications



Reporting Services



Excel



Power Pivot



SharePoint Insights



BI Semantic Model



Data Model

Tabular

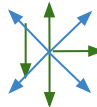
Multidimensional



Business Logic & Queries

DAX

MDX



Data Access

Vertipaq

Direct Query

ROLAP

MOLAP



Tabular



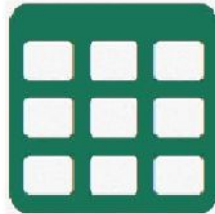
**Power Pivot for
Excel**



**Power Pivot for
SharePoint**



**Analysis Services
Tabular**



Multidimensional



**Analysis Services
Multidimensional**

Case Study

Healthcare C CCD wants its Data Analytics team to analyze the medical data within the data warehouse by Physician and Patient to determine whether multiple company metrics have been met. The team also needs to be able to easily report its findings to senior leaders via dashboards.

Demo



Thank You

Feedback

- GreatTechPros.com/feedback
- WylieBlanchard.com/feedback

Resources / Recommended Reading

- Tabular Modeling - <https://msdn.microsoft.com/en-US/library/hh231691.aspx>
- Care Coordination Claims Data - Illinois.gov - <https://www.illinois.gov/hfs/MedicalProviders/cc/Pages/ClaimsData.aspx>
 - The database used in this demo is based on the test healthcare data set made public by I-HFS.
- The BI semantic model, MDX, DAX, and you - <https://blogs.msdn.microsoft.com/cathyk/2011/10/17/the-bi-semantic-model-mdx-dax-and-you/>
 - Image Source
- Use a BI Semantic Model Connection in Excel or Reporting Services - [https://msdn.microsoft.com/en-us/library/hh230901\(v=sql.120\).aspx](https://msdn.microsoft.com/en-us/library/hh230901(v=sql.120).aspx)
- Get data from Analysis Services - <https://support.office.com/en-us/article/Get-data-from-Analysis-Services-ba86270b-5cc2-4bb9-a21d-8bafc20f0cd3>