



EiB Financial Analytics and Power BI – Better Together

Excel in Business

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Why Take Sage Data From EiB Finance Cube?

- Data
 - Actual, Budget from Sage
 - Forecast from EiB
 - Multi Company Consolidated
 - All Departments, Cost Centres, Account Levels
 - Memo Accounts
- Business Logic
 - Finance P&L Structures
 - Usually Different From Sage
 - Generated KPIs
 - Net Profit etc
- Matches Financial MI In Excel



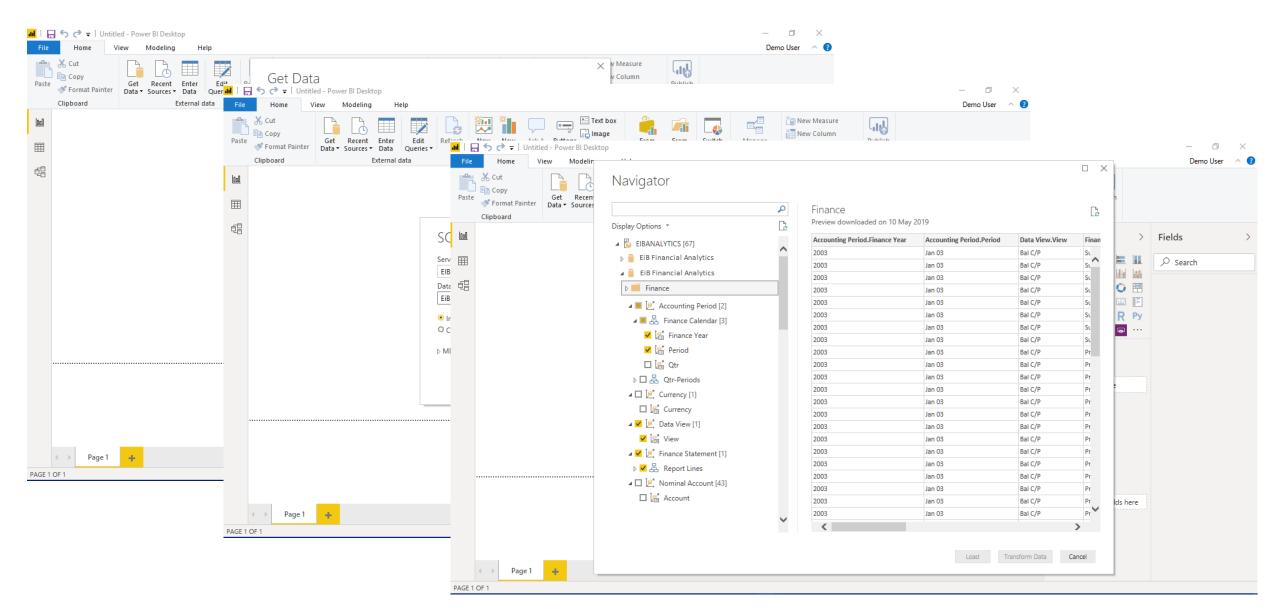








Just Using Standard Power BI Import From Cube





Standard Power BI Import - Challenges

- Data
 - Too Big Will Blow Import Limits
 - Single Company Level!



- Loading From SQL Server Analysis Services
 - Microsoft Power BI Load Not Optimised
 - Dimensions Are All Members Or Nothing
 - Restrictive, Inefficient & Bloats Power BI Model
 - Non Existent Error Trapping
 - It Works Or It Doesn't
 - Very Slow

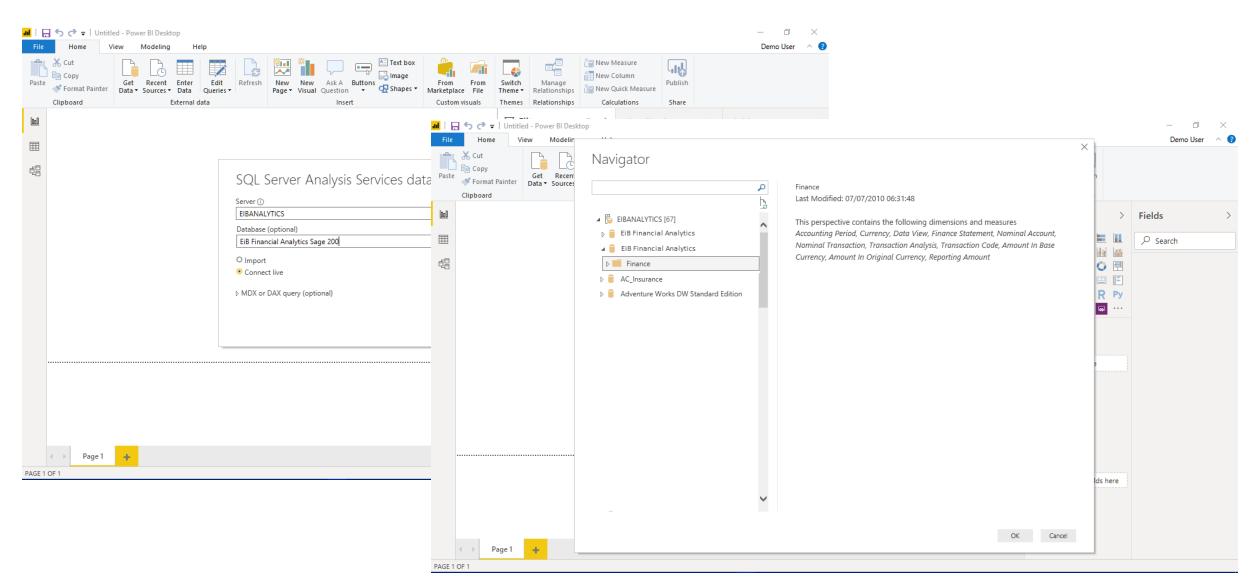


- Would Need To Understand Results
 - Build Power BI Reports From Scratch
- Not A Practical Solution



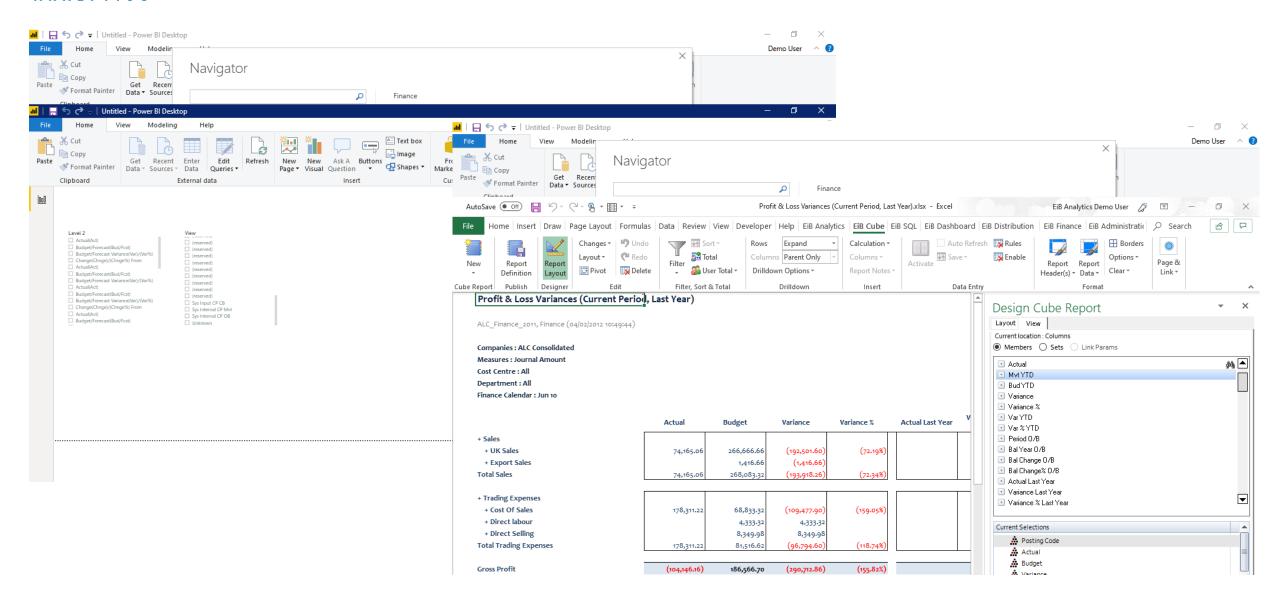


Standard Power BI Live Query From Cube





Standard Power BI Live Query From Cube





Standard Power BI Live Cube Challenges

- SQL Server Analysis Services Support
 - Requires SQL Server 2017 Standard Upward or 2014 / 2016 Enterprise



- SQL Server Analysis Services Features
 - EiB Financial Analytics An Advanced Cube
 - For A La Carte and EiB Financial Analytics 2018
 - Power BI Does Not Support Ragged Hierarchies Or Certain Linear Hierarchies
 - Can't See YTD Results For Actuals Or Budgets
 - Cube enhanced for EiB Analytics to show these items



- Must Install Power BI Enterprise Gateway To Work With Power BI Service
- Would Need To Understand Results
 - Build Power BI Reports From Scratch
- Best Performance Option







EiB Approach 1 : Import

Need EiB AppStudio Software & EiB Power BI Design

- Extracts Logic And Data From EiB Cube
- Generates SQL Database Optimised For Power BI Loading
- Coads Power BI Import Model

 (BUT NOT WITH SAME MS RESTRICTIONS OTHER THAN TOTAL MODEL SIZE

 OF 1M ROWS AND LOAD TIME ON LARGER MODELS)





Services

- EiB Just Tweak The AppStudio Design After Checking With Finance
 - Model Then Just Builds



- Powerful Functionality Out Of The Box
- No Need To Understand The Results From Day 1
- Can Be Customer Modified, Added To etc
- Can Be Integrated Into Existing Power BI Infrastructure







EiB Approach 2 : Live Connection

- Need EiB Analytics (2020 Onwards) & Power BI Model
 - FINI Cube Automatically Generates Optimised Cube For Power BI
 - Connection Is Live, So No Refresh Needed
 - Requires Power BI Enterprise Gateway To Be Installed
 - This Requires SQL Server 2017+ Standard or SQL Server 2014+ Business Intelligence or Enterprise Editions





- EiB Just Tweak The Power Bl Model After Checking With Finance
 - Model Then Just Accesses The Cube



- Powerful Functionality Out Of The Box
- No Need To Understand The Results From Day 1
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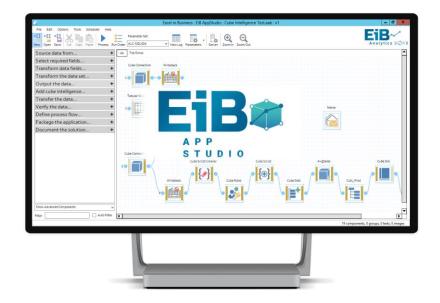




EiB Analytics Software & Services

EiB AppStudio

- Visual MI Apps for MS BI
- Any source
- Any output
- Automation
- Documentation
- Grouping
- Cleansing





EiB ReportStudio

- Excel Reporting Add-in
- SQL / Cube / Tabular
- Formatted Reports
- Unstructured Reports
- Dashboards
- Distribution

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EiB Analytics (2020 onwards) - Import



EiB Financial Analytics Cube

- Sage 200
- Multi Dimensional



Any SQL Server Analysis Services Cube

- Multi Dimensional
- Tabular
- Azure Analysis Services













EiB Financial Analytics App



EiB Analytics Template



EiB Analytics (2020 onwards) – Live Connection



EiB Financial Analytics Cube

- Sage 200
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Any SQL Server Analysis Services Cube

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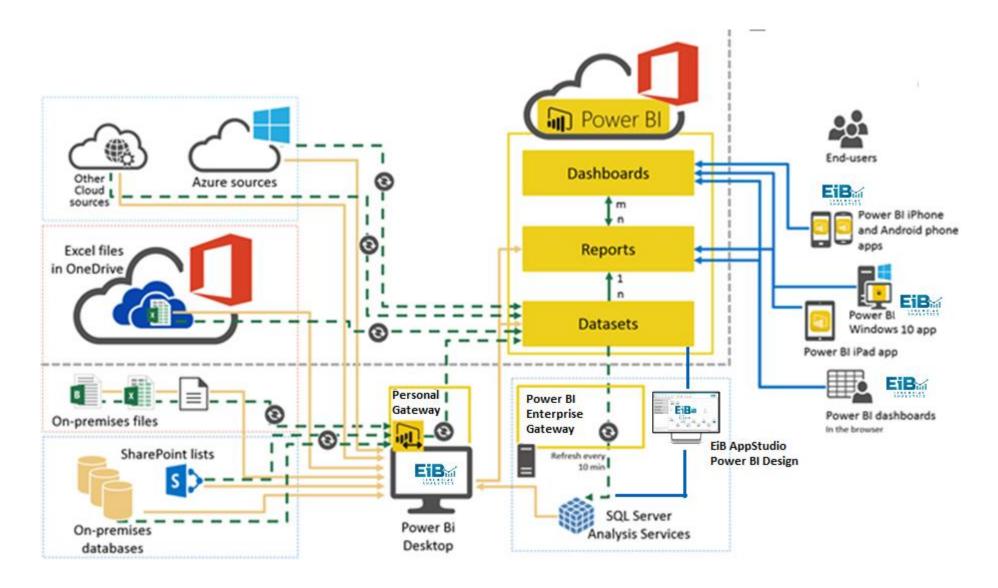
EiB Financial Analytics App



EiB Analytics Template



Power BI Architecture – EiB Analytics



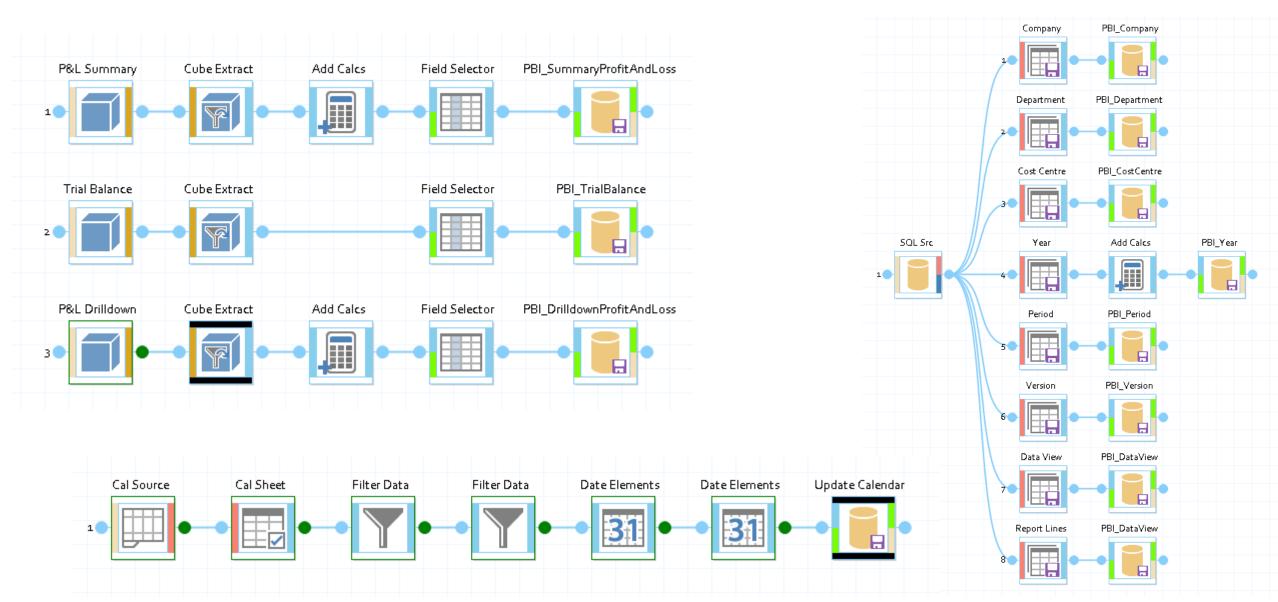


EiB AppStudio

- Design To Optimally Extract & Load Data
 From Finance Cube
- TB & P&L & BS
- Inherits Business Logic
- Multi Company
- Live or Import



EiB AppStudio Design



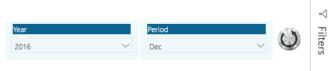


Power BI App









EiB Financial Analytics Sage 200 Power BI App







Profit & Loss Summary Act v Bud



Profit & Loss Drill Down Act v Bud



Profit & Loss **Detailed Trend** By Period



High Income Accounts



Expenditure Accounts



Multi Year Trends



Monthly & YTD Trends By Account



Variance Trends Income & Expense



Decomposition AI Analyses



Analysis



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Going The Extra Mile Design

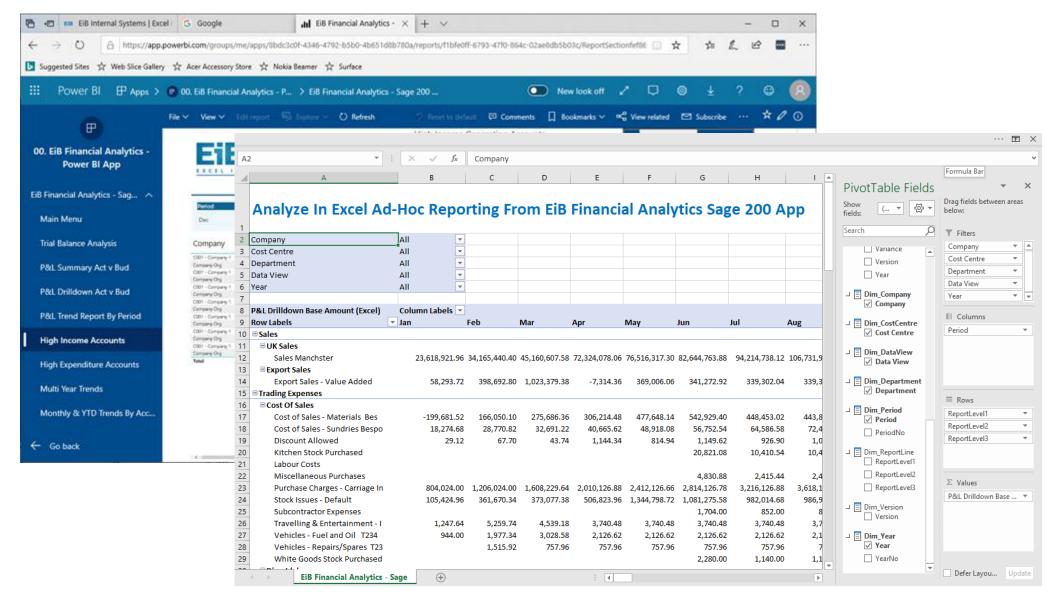


User Aids

- Confirm Button
- Reset Button
- Menu Button



Going The Extra Mile – Ad Hoc Potential

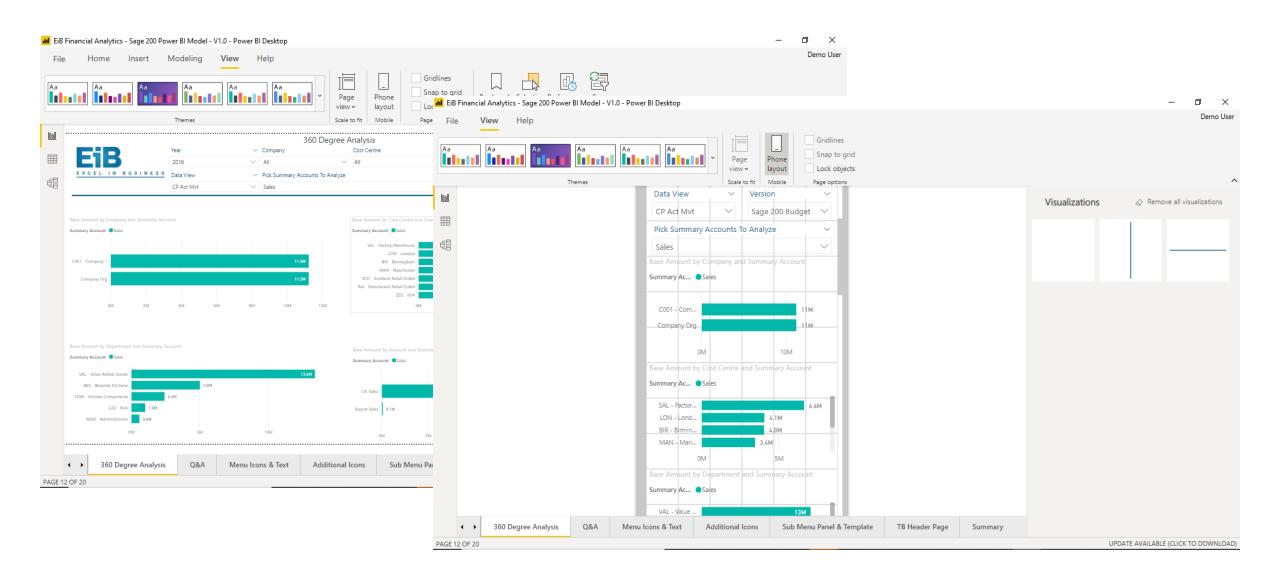


Analyze In Excel

- Made Possible
- Enhanced Model Design



Going The Extra Mile – Phone?





EiB Power BI Analytics – Sage 200

- Complete Financial Reporting Solution
 - EiB ReportStudio Excel Reports
 - Power BI Dashboards
 - Web, Mobile
 - Live or Import Modes



- MS Power BI Import Not Scalable Or Practical, EiB Import More Scalable
- MS Power BI Direct Connection
 - Performant, But Needs IT Involvement Enterprise Gateway, SQL 2017+



- Cost More To Do Internally
- Dovetails Into Any Existing Power BI Deployment
- Can Be Extended To Other SQL Cubes











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