

FORVIS

Get Started with Power BI Using Solver QuickStart Templates

November 17, 2022

TO RECEIVE CPE CREDIT

▪ Individuals

- Participate in entire webinar
- Answer polls when they are provided

▪ Groups

- Group leader is the person who registered & logged on to the webinar
- Answer polls when they are provided
- Complete group attendance form
- Group leader sign bottom of form
- Submit group attendance form to cpecompliance@forvis.com within 24 hours of webinar
- If all eligibility requirements are met, each participant will be emailed their CPE certificate within 15 business days of webinar

FORVIS

Presenter



Charles Allen
Senior Managing Consultant

713.499.4629
charles.allen@forvis.com

Objectives

- Explain how QuickStart can be used
- Describe how Power BI can be used with Solver
- Identify available Power BI templates

AGENDA

- 9:00 am ● What Is Solver?
- 9:10 am ● QuickStart
- 9:25 am ● Power BI Connection
- 9:35 am ● Creating a Power BI Report

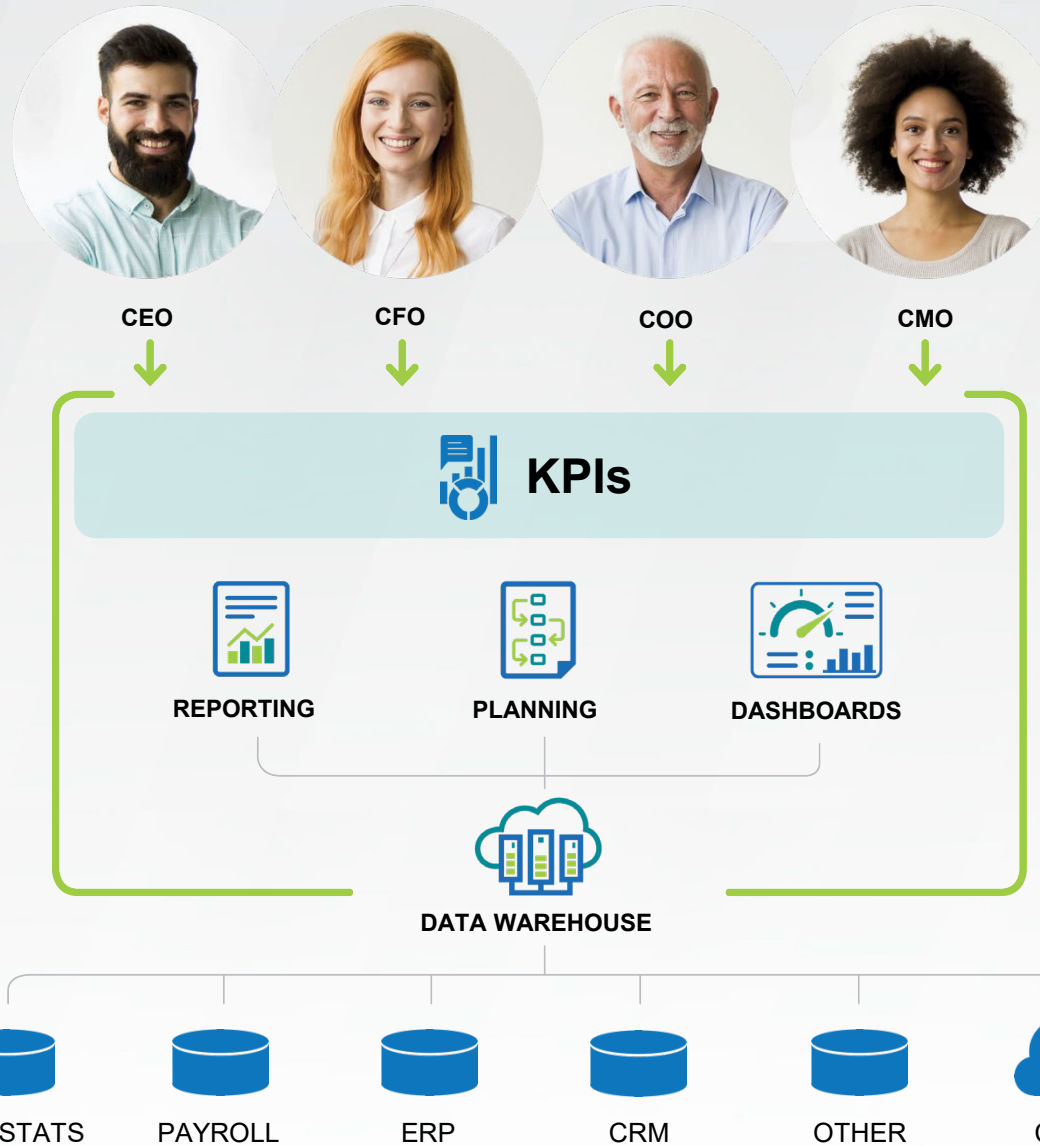
What Is Solver?

FORV/S

What Is Solver?

- Microsoft Azure-based Reporting, Planning, & Data Warehouse Solution
- Cloud-based for storing & viewing data
- Excel-based template design experience
- Published by Solver Global

What Is Solver?



**Show
Me!**



FORV/S

QuickStart

FORV/S

FORVIS is a trademark of FORVIS, LLP, registration of which is pending with the U.S. Patent and Trademark Office

What Is QuickStart?

- A methodology & set of templates
- Utilizes a dimension to map your data to the templates
- Available for various ERP solutions
- Can be created for other ERP solutions

Step 1

Configure ERP integration using QuickStart

QUICKSTART STEP 1
Sign into your Account

Connect to D365 Business Central

Sales Demo
salesdemo@bi360.com

Select Environment
Production

Select Company
CRONUS USA, Inc.


QUICKSTART STEP 3
Map your chart of Accounts

Category Code	Category Description
Balance Sheet	
Assets	
Current Assets	
CASH	Cash
ACCOUNTSRECEIVABLE	Accounts Receivable
Noncurrent Assets	
Liabilities	
Current Liabilities	
Noncurrent Liabilities	
LONGTERMLIABILITIES	Long Term Liabilities
Owners Equity	

Order categories

Please fill out all Category Descriptions before dragging and dropping to order the categories to the list on the left.

Category Code	Category Description
ASSETS	Assets
CURRENTASSE	Current Assets
PREPAIDEXPE	Prepaid Expenses
INVENTORY	Inventory
FIXEDASSETS	Fixed Assets
EQUIPMENT	Equipment
ACCUMULATE	Accumulated Depreciation
LIABILITIES	Liabilities
CURRENTLIAB	Current Liabilities



Your Job is processing!

It might take a while for your data to load. Please click 'Go to Jobs' to navigate to the Jobs page for an update on your job status

[GO TO JOBS](#)



Step 2

“Shop” free templates in the Marketplace



The screenshot shows the Solver Template Marketplace interface. The navigation menu on the left includes: Home, Process Manager, REPORTING (Report Templates, Publisher, Report Archive), PLANNING (Input Templates, Input Flow, Workflows, Assignments), Template Marketplace (highlighted), Data Warehouse, and Settings. The main content area displays three report templates for sale:

- R010 - Trial Balance**: Includes a 'See details' link and an 'Add to Install' button.
- R100 - P&L - Variance**: Includes a 'See details' link and an 'Add to Install' button.
- R102 - P&L - Act YTD, Budget Rest of Year**: Includes a 'See details' link and an 'Add to Install' button.



FORVIS

Step 3

Start using reports and dashboards



Screenshot of a financial report titled 'P&L Variance' for 'Entity: 001 - Corporate US' dated 'April 04, 2021'. The report shows a comparison between 'Actual' and 'Budget' values for various revenue and expense categories across different periods.

Report No.	Description	Mar-2021 YTD Actual	Mar-2021 YTD Budget	Apr-2021 YTD Actual	Apr-2021 YTD Budget	Variance %	Variance \$	2021 YTD Actual	2021 YTD Budget	
REVENUE										
0000	Product Revenue	786,511	775,262	222,008	21,821	▲2.8%	20,187	▲1,228	10,245,511	10,245,114
0001	Service Revenue	99,224	99,214	215,638	205,638	▲10.0%	▲9,000	▲1,000,000	4,111,218	4,111,218
0002	Manufacture Revenue	78,224	78,224	38,224	38,224	▲1.0%	▲821	▲1,224	971,224	971,224
0003	Other Revenue	1,000	1,000	1,000	1,000	▲1.0%	▲100	▲1,000	1,000	1,000
TOTAL REVENUE										
		\$ 1,664,959	\$ 1,653,700	\$ 467,868	\$ 66,687	▲2.8%	\$ 20,187	\$ 1,467,868	\$ 1,467,868	\$ 1,467,868
EXPENSES										
0004	Cost of Sales	100,000	100,000	100,000	100,000	▲1.0%	▲1,000	▲1,000,000	1,000,000	1,000,000
0005	Operating Expenses	200,000	200,000	200,000	200,000	▲1.0%	▲1,000	▲1,000,000	2,000,000	2,000,000
0006	Interest Expense	100,000	100,000	100,000	100,000	▲1.0%	▲1,000	▲1,000,000	1,000,000	1,000,000
0007	Other Expenses	100,000	100,000	100,000	100,000	▲1.0%	▲1,000	▲1,000,000	1,000,000	1,000,000
TOTAL EXPENSES										
		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	▲1.0%	\$ 10,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000

Dashboard Category	Revenues	Expenses	Margins	Balance Sheet	KPIs
Variance Mth and YTD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Exceptions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Budget Analysis	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Auto Forecast	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Combo (Var and Trend)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24 Month Trend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
36 Month Trend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
48 Month Trend	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8 Quarter Rolling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Business Comparison	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Internal Benchmarking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



**Show
Me!**



FORV/S

Power BI Connection

FORV/S

FORVIS is a trademark of FORVIS, LLP, registration of which is pending with the U.S. Patent and Trademark Office

Power BI Connection

- Solver Modules are selected for use in Power BI

The screenshot displays the 'API ACCESS' configuration page in the Solver application. The interface is divided into three main sections: a left-hand navigation menu, a central sidebar with a list of configuration options, and a main content area for the 'API ACCESS' settings.

Navigation Menu (Left):

- Home
- Process Manager
- REPORTING
 - Ad Hoc Reporting
 - Report Templates
 - Publisher
 - Report Archive
- PLANNING
 - Input Templates
 - Input Flow
 - Workflows
 - Assignments
- Data Warehouse
- Settings

Configuration Sidebar (Center):

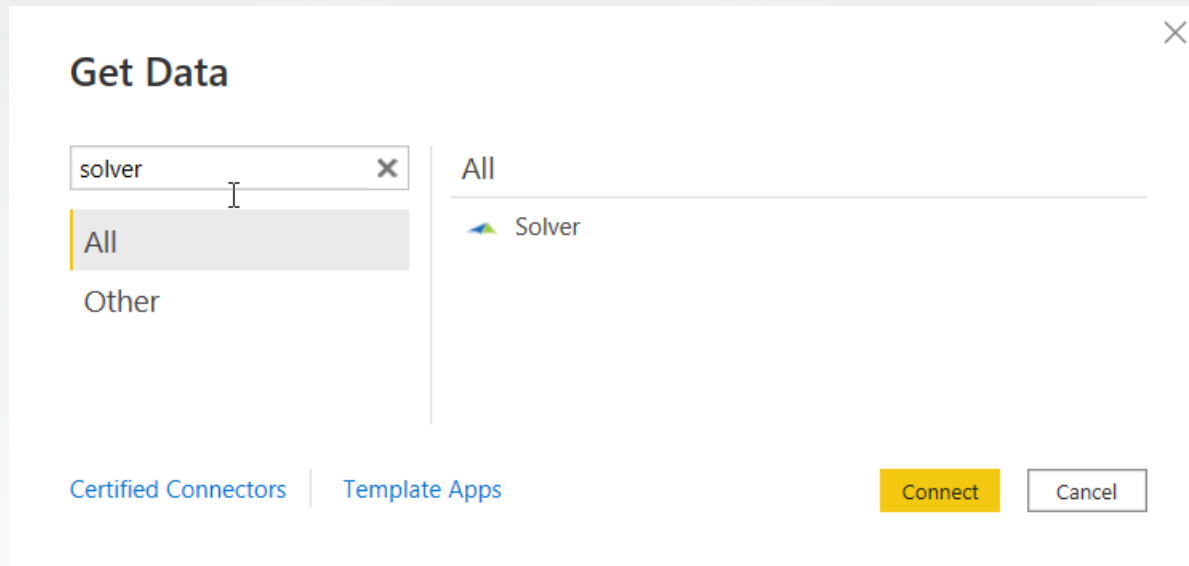
- Overview
- Currency
- Data Explorer
- Data
- Configuration (Active)
- Modules
- Dimensions
- Module Schema
- Period Configuration
- API

API ACCESS Settings (Right):

- Enabled (Toggle)
- Select All
- Accounts Payable (Checked)
- Accounts Receivable (Checked)
- Benchmarking
- Capital
- Daily Metrics
- Decision Advisor
- General Ledger (Checked)
- General Ledger Detail (Checked)
- Google Analytics
- GP General Ledger Detail (Checked)
- GP General Ledger Summary

Power BI Connection

- Use Get Data in Power BI
- Select the Solver data source



**Show
Me!**



FORV/S

Creating a Power BI Report

FORV/S

FORVIS is a trademark of FORVIS, LLP, registration of which is pending with the U.S. Patent and Trademark Office

What You Need

- Power BI Connector license from Solver
- Power BI Pro or Premium license from Microsoft for using the powerbi.com service

Steps to Create a Report

- Use Get Data to select the Solver data
- Select a visualization
- Create measures
- Select the fields
- Enter formatting options

Calculated Columns

- Take up space
- Calculated each time data is refreshed
- Do not obey the filters in the report
- Can be used for filtering the data

Calculated Columns Example

- Data includes column called State
- You need a column which groups states as Regions
- Example
 - States LA & MS = Region South
 - States CA & OR = Region West
- Calculated column creates a column value which can be used to slice & dice your data by region

Measures

- Measures are formula-based calculations
- Used for aggregates, like sum & average
- Similar to Excel functions
- Uses a language called DAX (Data Analysis Expressions)

Measures

- Calculated when the report runs
- Use the filters in the report
- Don't take up space
- Cannot be used as filters

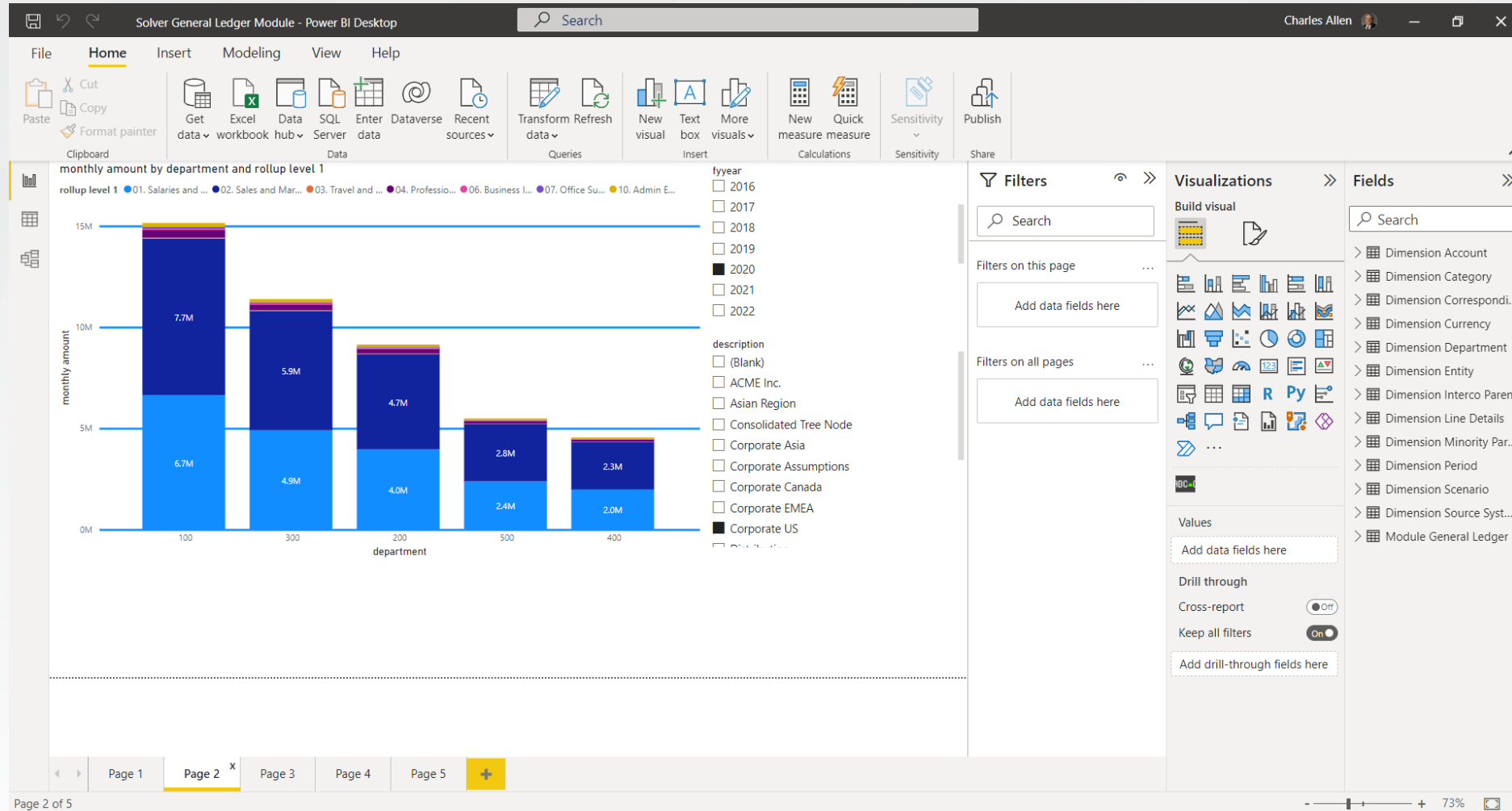
- For more information about this, watch [this video](#) on YouTube

Measures Example

- You want to calculate the sum of revenue account amounts
- A DAX expression can be created for this

```
Revenue = CALCULATE(-1*SUM('Module  
General Ledger'[monthly  
amount]), 'Dimension Account'[rollup  
level 1] IN {"R1. Revenue"})
```

Creating a Power BI Report



Steps to Create a Power BI Dashboard

- Publish the report to Powerbi.com
- Select a visualization from the report
- Pin your visualization to a dashboard

**Show
Me!**



FORV/S

Resources

- Solver Academy (3 Power BI Courses)
- Microsoft Learn for Power BI
- Guy in a Cube series on YouTube
- SQLBI on YouTube
- Leila Gharani on YouTube



CONTINUING PROFESSIONAL EDUCATION (CPE) CREDIT



FORVIS, LLP is registered with the National Association of State Boards of Accountancy (NASBA) as a sponsor of continuing professional education on the National Registry of CPE Sponsors. State boards of accountancy have final authority on the acceptance of individual courses for CPE credit. Complaints regarding registered sponsors may be submitted to the National Registry of CPE Sponsors through its website: www.nasbaregistry.org

FORV/S

CPE CREDIT

- CPE credit may be awarded upon verification of participant attendance
- For questions, concerns, or comments regarding CPE credit, please email FORVIS at cpecompliance@forvis.com

WEBINAR

Thank you!

forvis.com

The information set forth in this presentation contains the analysis and conclusions of the author(s) based upon his/her/their research and analysis of industry information and legal authorities. Such analysis and conclusions should not be deemed opinions or conclusions by FORVIS or the author(s) as to any individual situation as situations are fact specific. The reader should perform its own analysis and form its own conclusions regarding any specific situation. Further, the author(s) conclusions may be revised without notice with or without changes in industry information and legal authorities. FORVIS has been registered in the U.S. Patent and Trademark Office, which registration is pending.

FORVIS

Assurance / Tax / Advisory