



Microsoft Power Platform CONFERENCE

POWER BI

POWER AUTOMATE

POWER APPS

POWER VIRTUAL AGENTS

POWER PAGES

Transform your business with the Power Trio: Power BI, Power Apps & Power Automate

Room: Premier Ballroom 319
Session Code: PPC26

GEETHA SIVASAILAM





The official event app for the **Microsoft Power Platform Conference – Fall 2023**



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Event Invitation Code:
PPCFall2023



Power Platform Practice Lead
Dallas, Texas
#PowerAddict



Business Applications



<https://svaghub.wordpress.com/>



@GSiVed



Geetha Sivasailam

1

Power BI + Power App + Power Automate = Better Together

Power Platform Ecosystem | PBI Integration | Automation

2

Power Apps Visual

Intro | Benefits | Things to consider

3

Power BI Visuals in Power Apps

Why Embed PBI Tiles | Interactive Charts & Reports | How-To

4

Power Automate Visual in PBI

What it is | Use Cases

5

Power Automate + Power BI Connector

Actions | Triggers | Data driven subscriptions

6

Demos

PBI Embedded App Use case | Power Automate Visual Use cases | PBI visual in Power Apps | PBI Connector in Power Automate



Microsoft Power Platform



Power BI

for
data exploration,
analytics and reporting



Power Apps

for
web and mobile
application development



Power Automate

for
process
or workflow automation



Power Virtual Agents

for
chatbots and
conversational agents



Power Pages

for
building secure,
data-centric business
websites



Data
connectors



AI Builder



Microsoft
Dataverse



Power Fx



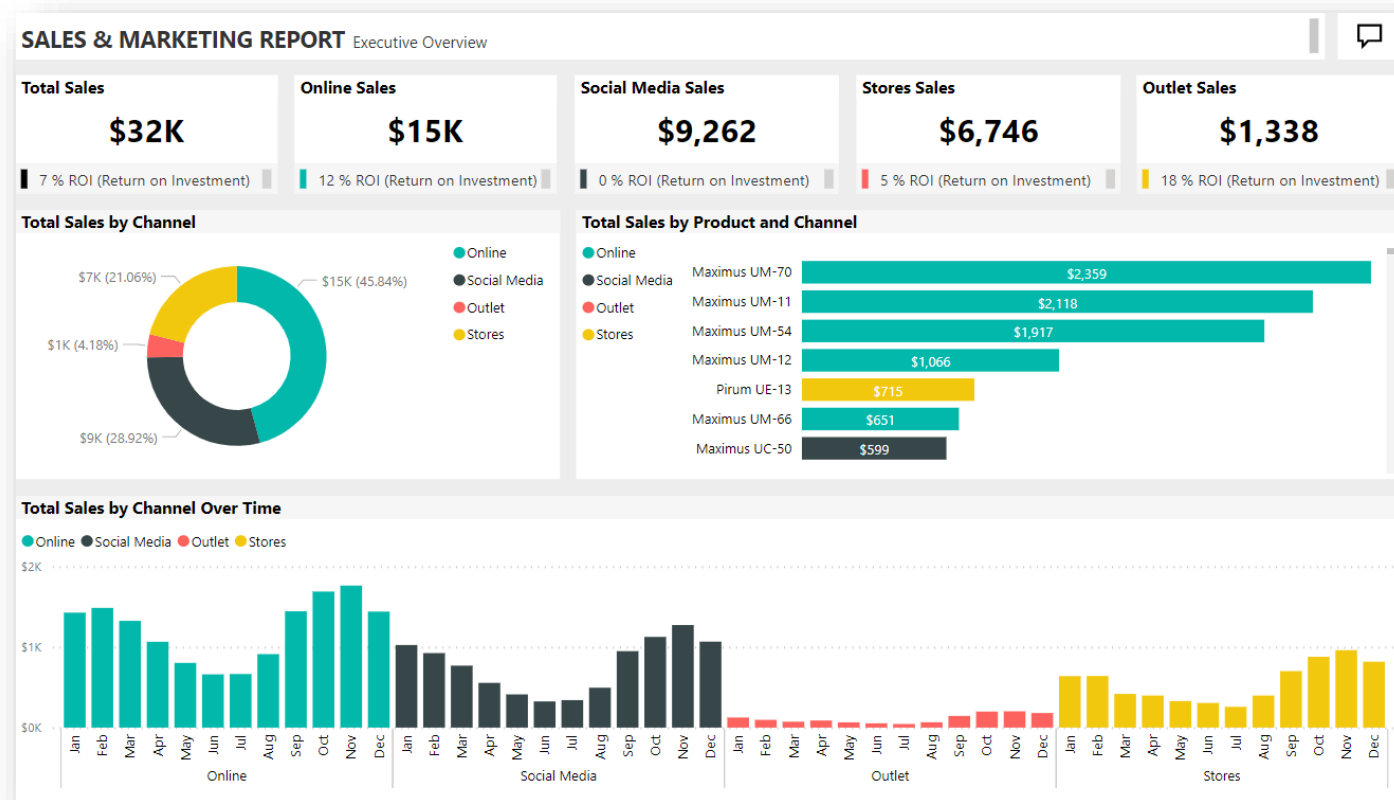
Managed
Environments

Power BI + Power Apps



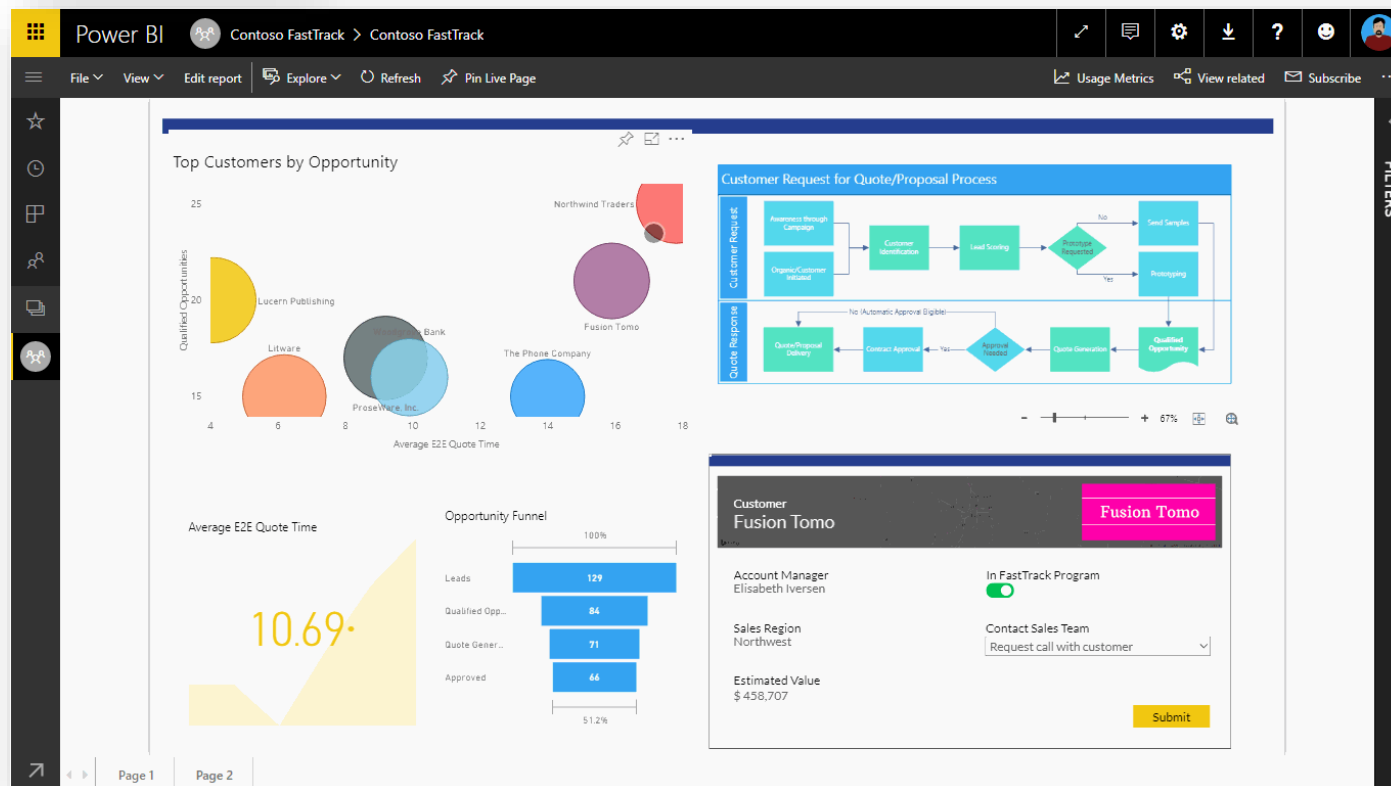
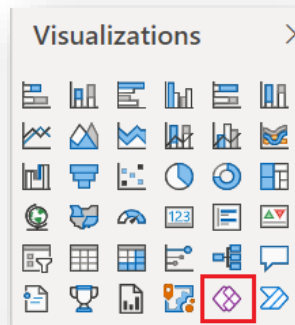
Power BI - Business Intelligence and Data Visualization tool

- Make sense of your data with ease, and drive quick and confident decisions across your organization
- Connect to diverse set of data sources and share insights with anyone
- WYSIWYG Design experience
- Data visualizations to bring your data story to life



Power Apps Visual

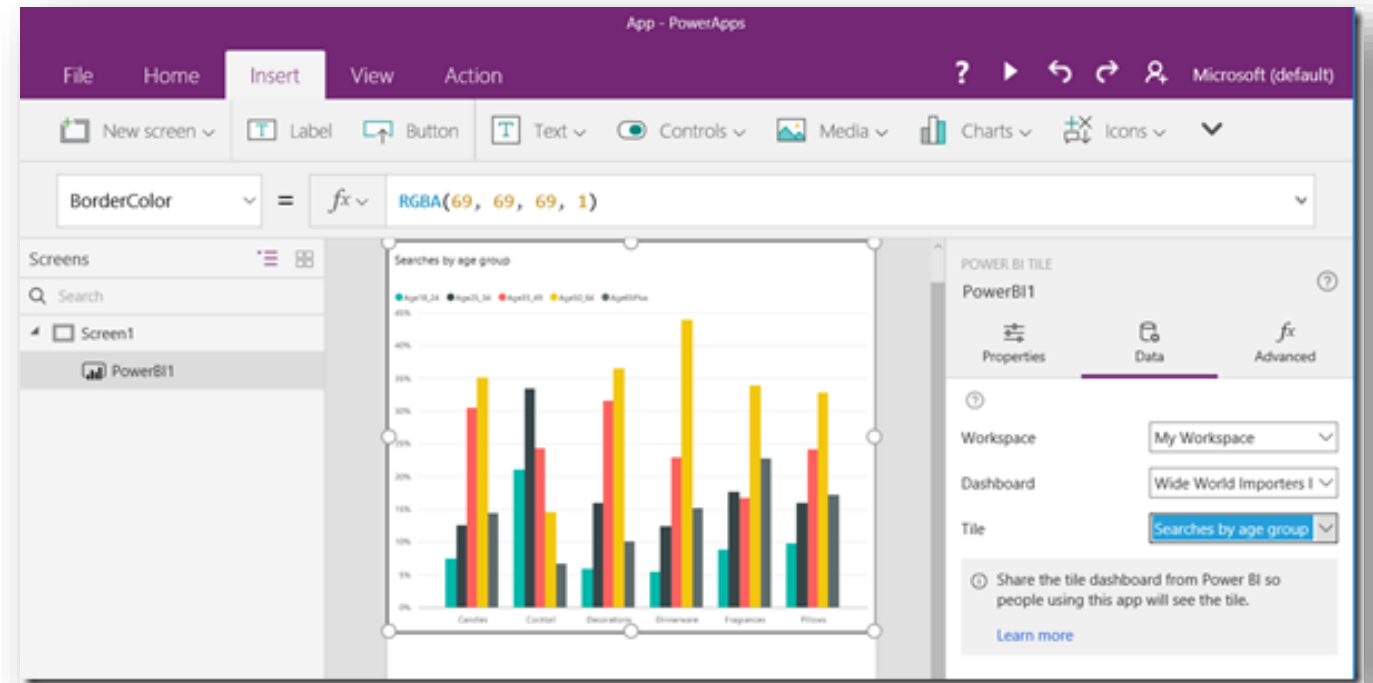
- Embed new/existing Canvas apps from environments and map data fields in PBI Web
- PBI Desktop can be used to embed visual
 - Cannot trigger a refresh report/data set
 - Data not provided to Power Apps Studio when editing app (Use PBI Web)
- 'PowerBIIntegration' object provides read-only collection of data from PBI to Power App
- Pass context-aware data (PBI) to a canvas app
 - 1000 max records can be passed from PBI to Power Apps visual using 'PowerBIIntegration' object
 - What if I need to display > 1000 records?
- Data Refresh
 - Trigger a Refresh from the app (Direct Query)
 - Trigger a DataSet Refresh via Power Automate (Import model)
 - Data Refresh Limits and options





Power BI Visual in Power Apps

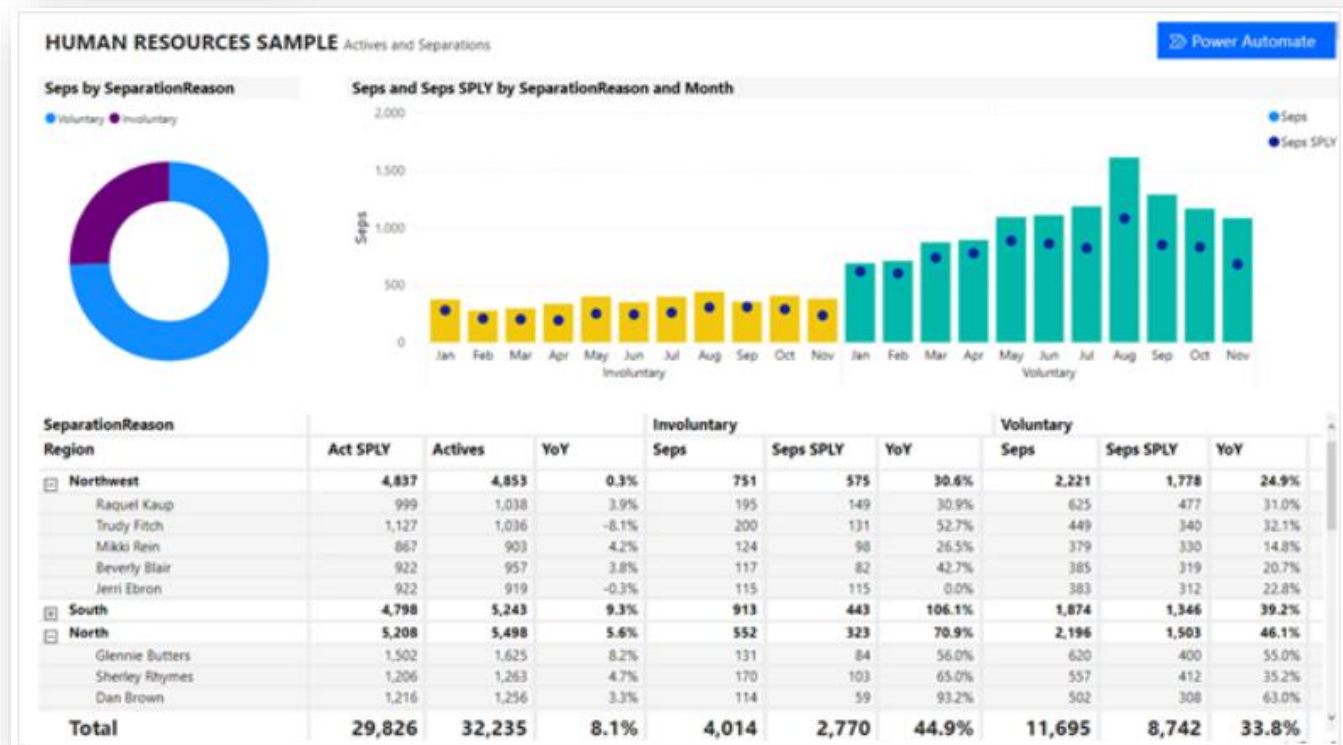
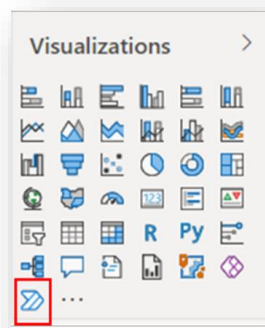
- Embed Power BI tiles, Interactive charts and visual in Canvas apps
- Why PBI Tile in Power Apps?
 - Default charts in Power Apps don't fit the need
 - Conditionally display reports/tiles
 - Include reports from different workspaces
- Minimal customization options for control
- Optimized for performance on mobile device
- Advanced filtering supported
 - Filter value must be enclosed in single quotes
 - Dynamic filtering with optimized data models
 - Not supported on mobile or embedded scenarios
- Minimize visuals on screen for performant app load times
- Limitations
 - Power BI Tile control not available on GCC High & DoD environments
 - Dataset needs to be refreshed to reflect updates
 - Refresh limits apply (8/day or 48/day on Premium Capacity)



Power BI + Power Automate

Power Automate Visual (preview)

- Built-in templates available for use
- Automate tasks without leaving Power BI
- Pass filtered data set (PBI) to flow
 - 1000 max records can be passed from PBI to Power Automate visual
- The visual will only display flows within your default environment
- Power BI flows created via visual can only run in the context of a Power BI report
- Dynamic or Manual inputs not supported at this time

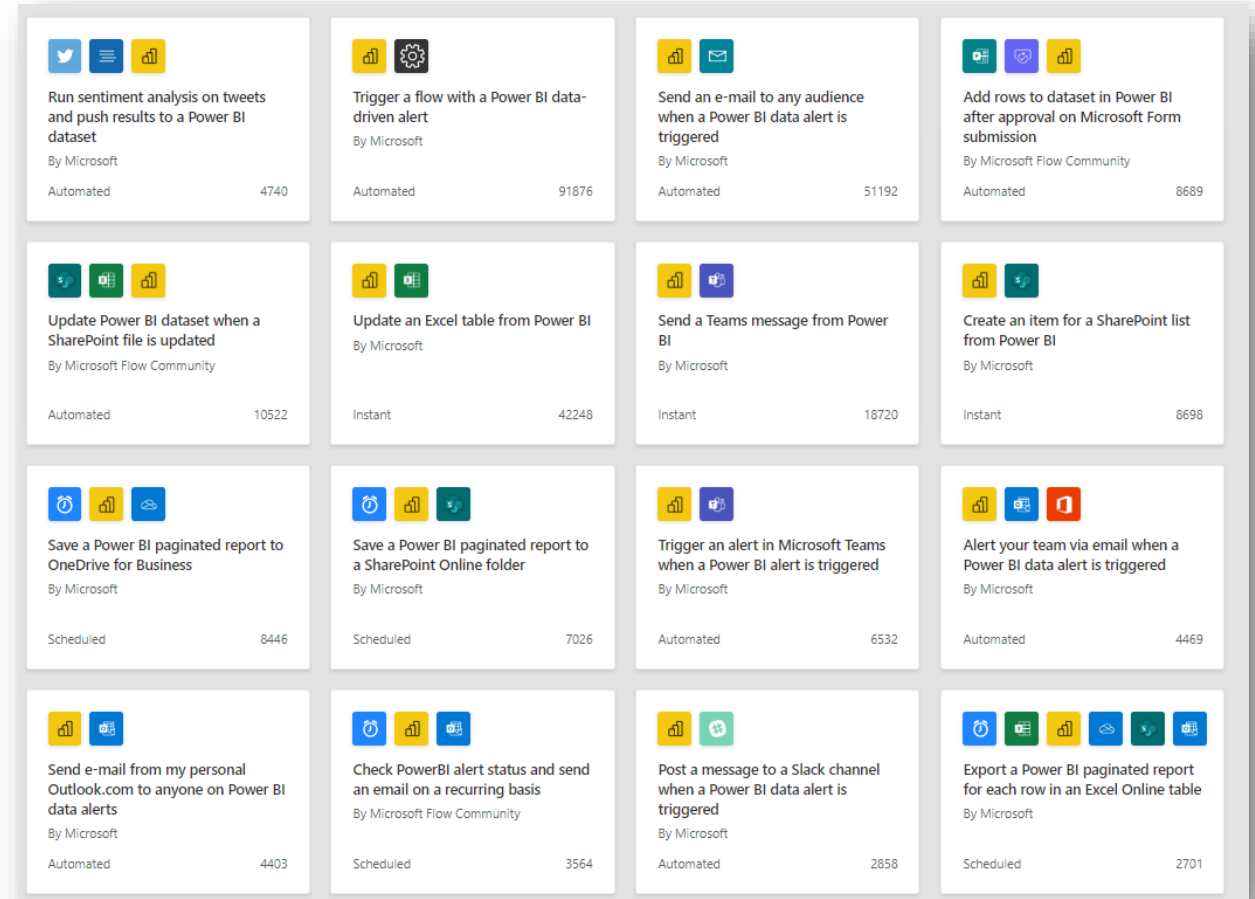


Power Automate + Power BI Connector



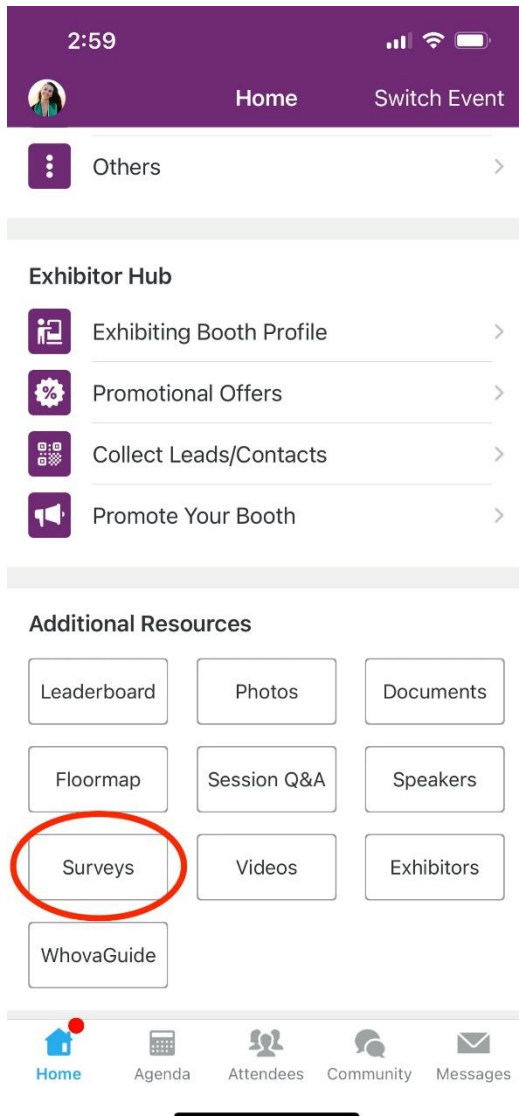
Power BI connector

- Built-in templates available for use
- Power Automate triggers (e.g.)
 - PBI Button clicked
 - Data driven alert triggered
- Power Automate actions (e.g.)
 - Export to File PBI/Paginated report
 - Refresh Dataset
 - Add rows to dataset
- PBI Rest APIs can be leveraged to automate process
 - Premium License required (Flow or Power App)
- Limitations
 - Not supported for PBI sovereign cloud clusters (US Govt, China, Germany clusters)
 - Export to File action requires report to on premium capacity
 - Refresh Dataset & Refresh Dataflow action requires premium capacity to run > 8x/day



Resources

- <https://docs.microsoft.com/en-us/power-apps/maker/canvas-apps/powerapps-custom-visual>
- <https://docs.microsoft.com/en-us/power-bi/create-reports/power-bi-automate-visual>
- <https://docs.microsoft.com/en-us/power-bi/visuals/power-bi-visualization-powerapp>
- <https://powerapps.microsoft.com/en-us/developerplan/>



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Questions – Bring it on!!

THANK YOU!



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