



# Power Platform

## COMMUNITY CONFERENCE

SEPTEMBER 18–20, 2024 • *Workshops: Sept 16, 17 & 21*  
MGM GRAND • *Las Vegas, NV*



**Power Platform**  
**COMMUNITY CONFERENCE**

# **Unleashing PowerFx: Practical Applications in Dataverse & Model-Driven Apps**

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## The official event app for the **Power Platform Community Conference**



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**Event Invitation  
Code: PPCConf2024**

# ANDREW BUTENKO

- Technical Architect
- eXalents Solutions
- Works with Dynamics CRM/Power Platform since 2008, v 4.0
- 15x Microsoft BizApps MVP



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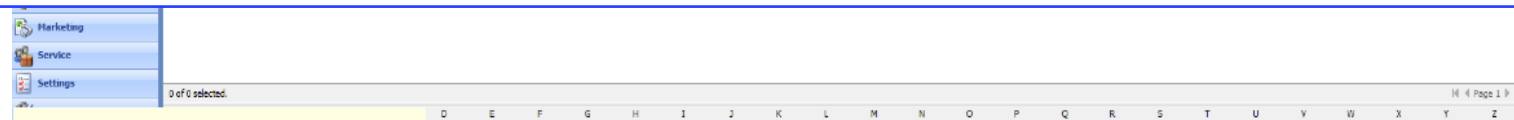




# + PLATFORM EVOLUTION, • DYNAMICS CRM V4.0, 2008



Functionality	Developer	Consultant
Visualizations (dialogs/embedded elements)	✓	✗
Calculated fields	✓	✗
Server-Side automations	✓	⚠
Command Bar/Ribbon customizations	✓	✗





# + PLATFORM EVOLUTION, • NOWADAYS, DATAVERSE, V9.2

Functionality	Pro Developer	Citizen Developer
Visualizations (dialogs/embedded elements)	✓	✓
Calculated fields	✓	✓
Server-Side automations	✓	✓
Command Bar/Ribbon customizations	✓	✓



# DEMO TIME

## HOLY MICROSOFT

PLEASE DON'T INSTALL THE  
LATEST UPDATES WHILE I DO MY DEMO



# EMBEDDED CANVAS APPS

- Possibility to create a rich-UI Visualizations in a Low-Code way to extend record forms
- Possibility to use any Datasources
- Access to the contextual entity through [`@ModelDrivenFormIntegration`] object
  - `Item` – access to the contextual record
  - `OnDataRefresh` – event handler when the record is saved
  - `RefreshForm` – reload the holding form
  - `SaveForm` – save the holding form
  - `NavigateToMainForm/NavigateToView` – navigation capabilities





# COMMAND BAR

- In-built designer of command bars (not Ribbon Workbench yet but it is what it is)
- Low-code way to define visibility rules and actions of buttons
- Hybrid mode – usage of the designer to create a button and define visibility rules but use JS function for an action
- Limitations:
  - Global and Dashboard bars are not supported
  - Dataverse is the only datasource available
  - Not all Power FX functions are currently supported
  - PowerFX command bar elements won't work withing D365 App for Outlook



# FORMULA FIELDS

- Write the formula to calculate a field value in “Excel” way
- Possibility to use the data not only from the current but from parent and grandparent records
- Limitations:
  - Not all Power FX functions are currently supported
  - Limited set of supported data types – Text, Decimal, Boolean, Datetime, Whole Number
  - Formula Field Type is defined on creation and can’t be changed after

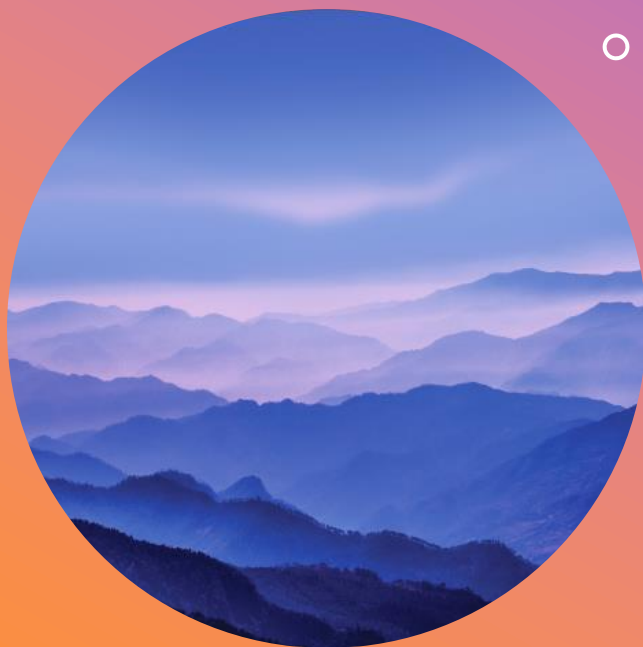


# POWERFX PLUGINS

- Create Automated and Instant Plugins
  - Automated can handle Create/Update/Delete messages in Pre/Post Execution
  - Instant Plugins is a Low-Code alternative to Actions/Custom APIs
- Limitations:
  - Create/Update/Delete steps can't be combined in one
  - Not possible to define field that trigger the plugin in Update mode

QUESTIONS?





# THANK YOU

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<https://butenko.pro/blog>



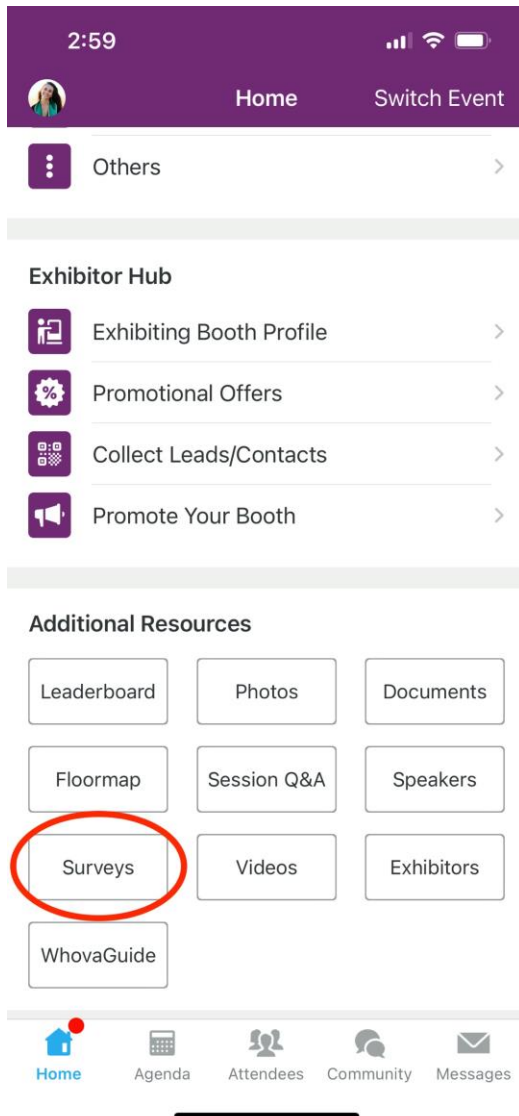
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# Session Feedback Surveys

*We really want to hear from YOU!*

*In the pursuit of making next year's Power Platform Community Conference even better, we want to hear your feedback about this session.*

## ***Here's How -***

- *Simply go to the Whova App on your smartphone*
- *Scroll down on the Power Platform Community Conference Homepage to 'Additional Resources' to click "Surveys'.*
- *Click Session Feedback.*
- *Scroll down to find this session title.*
- *Complete the session feedback survey.*
- *Finally, click 'Submit'*

*It's just that easy!*