



A winning hand: Cards for Power Apps

Speaker - Éric Sauv 



Éric Sauvé

Power Platform Practice Lead
XRM Vision

- Over 20 Years Experience in IT
- Dynamics & Power Platform Solutions Architect
- Canadian Power Platform Summit co-organizer
- Family, Bear hugs, Cats, Motorcycle, BBQ Smoke

“Craft your own career”



<https://linktr.ee/zepowerdiver>



Show of hands!

- Cards for Power Apps
- Adaptive Cards
- Canvas Apps



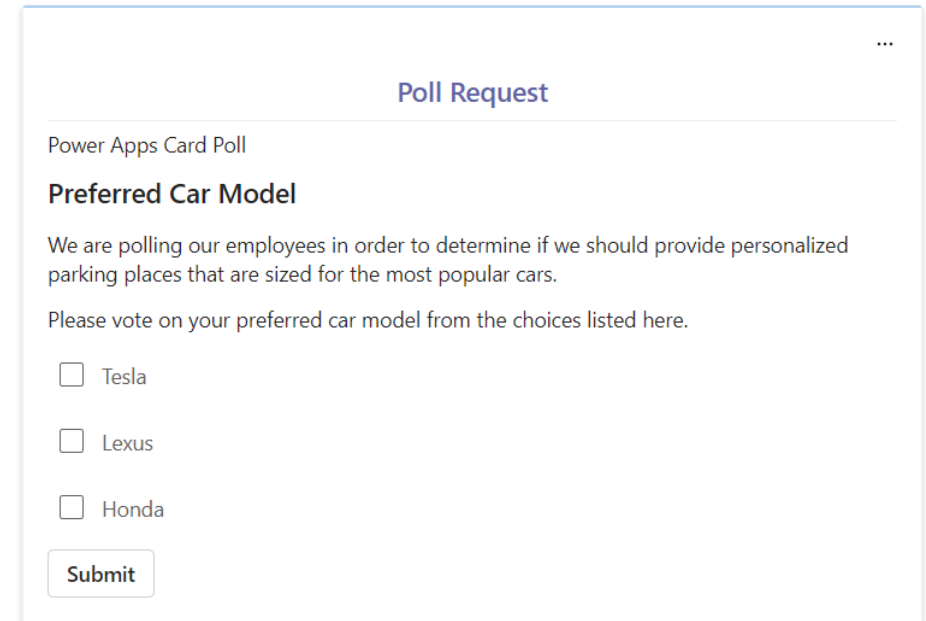
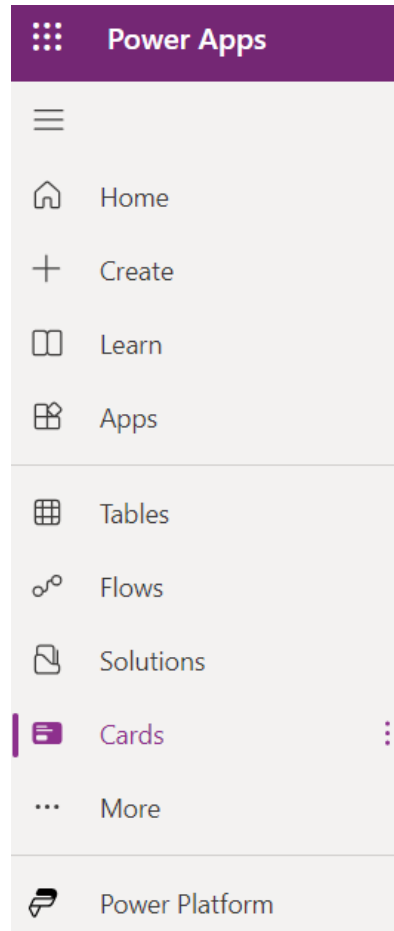
A winning hand: Cards for Power Apps

- **Cards for Power Apps**
- Sharing in Teams & Power Automate connector for Cards
- Data sources for Cards



Cards for Power Apps - Introduction

- What are Cards?
 - Micro Apps
 - Lightweight UI
 - Simple Scenarios
 - Minimal user input
 - Limited number of screens
 - Shared via Teams



Cards for Power Apps - Introduction

The screenshot shows the Microsoft Power Apps user interface. At the top, there is a purple header with the 'Power Apps' logo, a search bar, and user information for 'Environment ZePowerDiver (default)'. A left-hand navigation pane includes options like Home, Create, Learn, Apps, Tables, Flows, Solutions, More, and Power Platform. The main content area features a large banner with the text 'Let's build an app. What should it do?' and a text input field for describing app requirements. Below this are three cards: 'Start with data', 'Start with a page design', and 'Start with an app template'. At the bottom, a 'Your apps' section displays a table with one app entry.

Let's build an app. What should it do?

Collect RSVPs | Track sales leads | List inventory | Manage inspections

Use everyday words to describe what your app should collect, track, list, or manage ...

This feature uses generative AI. [See terms](#)

Other ways to create an app

- Start with data**
Create a table, pick an existing one, or even import from Excel to create an app.
- Start with a page design**
Select from a list of different designs and layouts to get your app going.
- Start with an app template**
Select from a list of fully-functional business app templates. Use as-is or customize to suit your needs.

Your apps

Name	Modified	Owner	Type
Sample Poll Canvas App - DCON Live	19 minutes ago	Eric Sauvé	Canvas



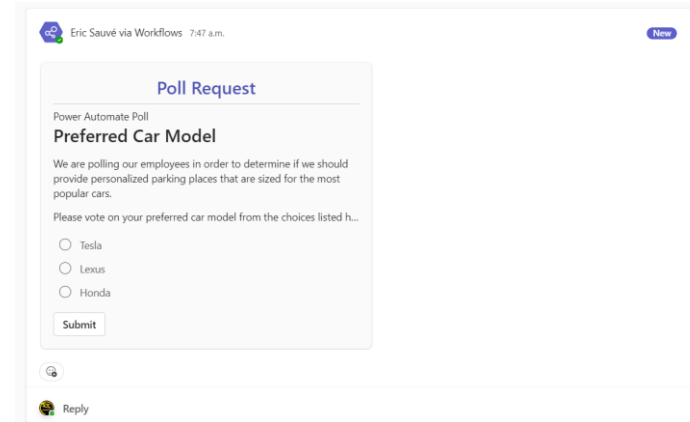
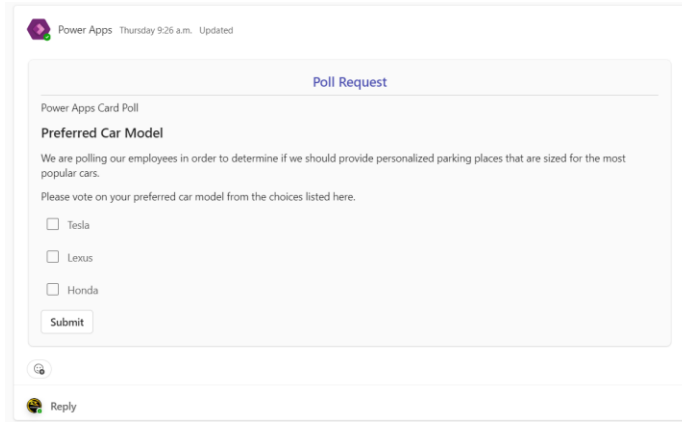
Cards for Power Apps vs. Adaptive Cards

The screenshot displays the Microsoft Power Automate interface. At the top, there is a search bar with the text "adaptive" and a dropdown menu set to "Sorted by popularity". Below the search bar, there are several filter tabs: "All templates", "Top picks", "Shared with me", "Remote work", "Approval", "Button", "Visio", "Data collection", "Email", "Calendar", and "Mobile". The main content area shows a grid of 12 template cards, each with a title, author, and a popularity count.

Template Title	Author	Category	Popularity Count
Send approval and follow up via Teams	By Microsoft Power Automate Community	Instant	29098
Notify a user in Teams	By Microsoft Power Automate Community	Instant	21956
Post Adaptive card to Teams when new item is created in SharePoint List	By Microsoft Power Automate Community	Automated	16710
Post Adaptive card to Teams when new response is submitted	By Microsoft	Automated	9293
Create a task from a message	By Microsoft	Instant	4708
Add an item to SharePoint and send an Adaptive Card in Teams	By Microsoft Power Automate Community	Instant	4630
Click a button to generate dynamic poll using Microsoft Teams Adaptive Card	By Microsoft	Instant	3698
Post a MSN weather report adaptive card on Microsoft Teams daily	By Microsoft	Scheduled	2421
Click a button to post a Microsoft Teams Adaptive Card for lead			
Post pending Planner tasks as Microsoft Teams Adaptive Card on			
Post Adaptive card to Teams when new file is created to SharePoint			
Post Adaptive card to Teams when Alert is Triggered in PowerBI			



Cards for Power Apps vs. Adaptive Cards



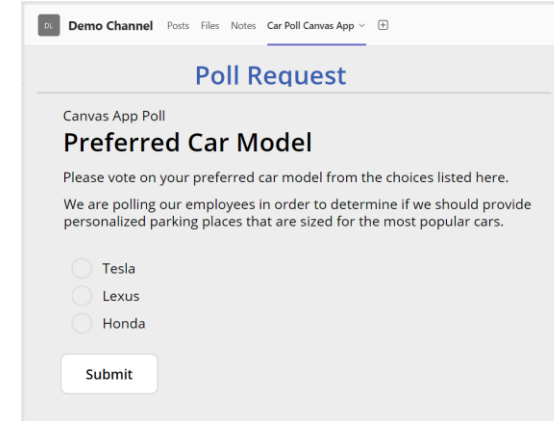
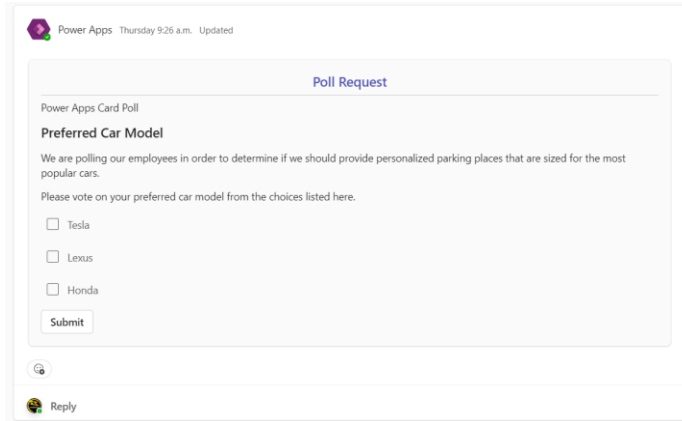
Power Apps Cards	Adaptive Cards
Lo-Code (Studio)	Pro-Code (JSON)
No output (even with “Allow value to be returned to flow or bot”)	Wait for response Output can be used in other flow actions
Available data source: Dataverse	Static (based on generated JSON)
No single option (radio buttons)	Radio buttons for single choice options
Teams or shared link	Multiple host applications

Cards for Power Apps vs. Canvas Apps

The screenshot displays the Microsoft Power Apps Canvas environment. The top navigation bar includes the 'Power Apps | Canvas' title, a search bar, and the environment name 'ZePowerDiver (default)'. The left-hand 'Objects' pane lists various components: All (9), Apps (1), Cards (1), Chatbots (0), Cloud flows (3), Connection references (4), and Tables (0). The main workspace is currently empty, with a 'Canvas app from blank' dialog box open in the center. This dialog box features a visual representation of a canvas app with a pencil icon and a plus sign. To the right of the visual, there is a text input field for 'App name *' and a 'Format' section with radio buttons for 'Tablet' (selected) and 'Phone'. Below the visual, a message reads: 'Design the app you want, and connect it to hundreds of data sources.' A 'Canvas app' button with a pencil icon is positioned below this message. At the bottom right of the dialog, there are 'Create' and 'Cancel' buttons. In the background, a table with columns for 'Owner' and 'Status' is partially visible, showing multiple rows with the name 'Eric Sauvé'.



Cards for Power Apps vs. Canvas Apps



Power Apps Cards	Power Apps Canvas Apps
Lo-Code (Studio)	Lo-Code (Studio)
Limited light/dark theme rendering	Complete rendering options
Limited list of controls	Complete list of controls, including PCF components
Limited Power Fx script	Complete Power Fx script
Embedded (in-chat) Teams experience	Separate tab Teams experience
Teams/Link	Standalone app

Cards for Power Apps – Canvas studio

The screenshot displays the Power Apps Canvas Studio interface. At the top, the header bar includes the 'Power Apps' logo, a search bar, and environment information: 'Environment ZePowerDiver (default)'. Below the header, the navigation bar shows a 'Back' button, the current view 'View - Microsoft Teams - Light', and a 'Demo Card Studio' tab. Action buttons for 'Save', 'JSON', and 'Play' are also visible.

The main workspace is divided into three sections:

- Tree View (Left):** Shows a hierarchical structure of the card. It includes a 'New screen' button, a 'Demo Card Studio' container, and sub-elements: 'main', 'body', 'textLabel1', 'textLabel2', and 'actions'.
- Canvas (Center):** Displays a card template with a title field containing the text 'Your card title goes here' and a description field containing 'Add and remove element to customize your new card.'.
- Card Properties (Right):** A panel for configuring the selected card. It has a 'Properties' section with a 'Name' field set to 'Demo Card Studio' and a 'Description' field.



Cards for Power Apps – Display components

The screenshot displays the Power Apps Card Studio interface. At the top, the header includes the 'Power Apps' logo, a search bar, and environment information: 'Environment ZePowerDiver (default)'. Below the header, a navigation bar shows 'Back', 'View - Microsoft Teams - Light', and a 'Demo Card Studio' tab. The main workspace contains a card with the text: 'Your card title goes here' and 'Add and remove element to customize your new card.' To the left is an 'Insert' panel with categories: 'Display', 'Input', and 'Layout'. To the right is a 'Card Properties' panel with fields for 'Name' (set to 'Demo Card Studio') and 'Description'.



Cards for Power Apps – Input components

The screenshot displays the Power Apps Card Studio interface. At the top, there is a purple navigation bar with the text "Power Apps" and a search box. Below this, a breadcrumb trail shows "View - Microsoft Teams - Light". The main workspace contains a card template with a title field labeled "Your card title goes here", a description field labeled "Add and remove element to customize your new card.", and the Dynamics User Group logo. The left-hand "Insert" menu is open, showing options for "Text label", "Image", "Media", "Input", and "Layout". The right-hand "Properties" panel is also open, showing settings for "On show", "Fallback text", "Speak", "Minimum height", "Present right to left", "Content alignment", "Background image", and "Select action".



Cards for Power Apps – Layout components

The screenshot displays the Power Apps Studio interface. At the top, the header shows "Power Apps" and a search bar. The environment is set to "ZePowerDiver (default)". The current view is "View - Microsoft Teams - Light". The main workspace shows a card with a text label containing the text "This is an example of the table component". A table component is being inserted into the card, with the following structure:

=ThisItem.FirstName	=ThisItem.LastName	=ThisItem.Phone
First Name:		
Last Name:		
Phone:		

Below the table, there are two buttons: "Add Items to List" and "Fact Set". The right-hand pane shows the properties for the selected "Text label" component, including:

- Text *: This is an example ...
- Visible: true
- Spacing: default
- Divider:
- Horizontal alignment: Left Center Right
- Wrap:
- Maximum lines:
- Height: auto
- Size: A medium
- Weight: B bolder
- Color: default
- Subtle:
- Font type: default
- Repeat for every:

Cards for Power Apps – Power Fx

The screenshot displays the Power Apps Studio interface. At the top, there is a purple header with the 'Power Apps' logo, a search bar, and environment information: 'Environment: ZePowerDiver (default)'. Below the header, a navigation bar includes 'Back', 'View - Microsoft Teams - Light', 'Demo Card Studio', 'Save', 'JSON', and 'Play' buttons. A 'Height' property bar is visible above the main canvas.

The left sidebar shows a 'Tree View' with a hierarchy: 'New screen' > 'Demo Card Studio' > 'main' > 'Second Screen' > 'Layout Components' > 'Fact Set' > 'body' > 'factSet2' (selected) > 'actions'.

The main canvas shows a card titled 'Fact Set Sample' with a text label containing the text 'ABC ThisItem.LastName'. A tooltip above the label reads 'Add and remove element to customize your new card.'.

The right sidebar shows the 'Properties' pane for 'factSet2'. It includes a 'Visible' property set to 'true', a 'Spacing' dropdown set to 'default', a 'Divider' toggle switch, a 'Height' dropdown set to 'auto', and a 'Repeat for every' input field.



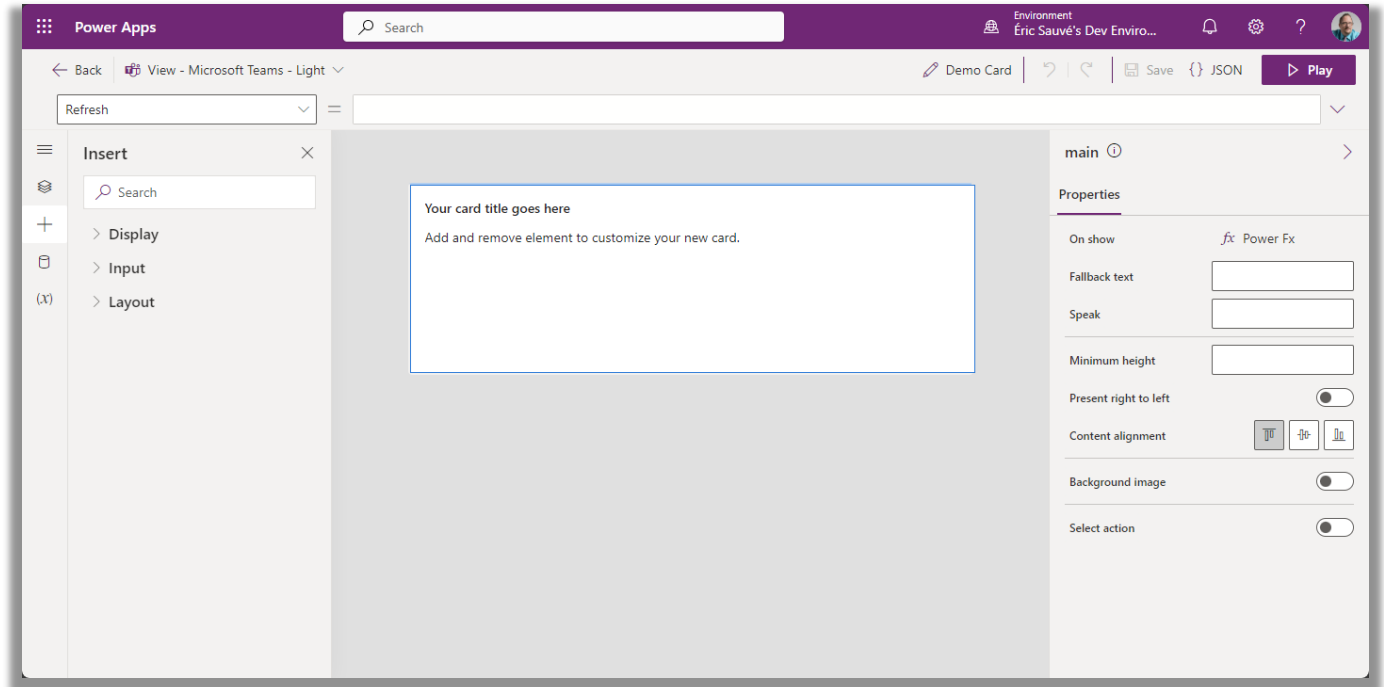
Cards for Power Apps – Variables

The screenshot displays the Power Apps environment. At the top, the header shows "Power Apps" and a search bar. The environment is set to "ZePowerDiver (default)". The current view is "View - Microsoft Teams - Light". The main workspace shows a card design with a text label "Fact Set Sample" and a button labeled "Button8". The button's text is "ABC ThisItem.LastName". The card's background is light gray. On the left, the "Variables" pane is open, showing a search bar and two variables: "varVisibleImage" (Boolean) and "colTableSample" (Collection). The top right of the workspace shows a formula bar with the text "Set(varVisibleImage,true);". The right-hand pane shows the "Properties" for the selected "Button8" control, with settings for Type (Run PowerFx), On select (Power Fx), Title (Button8), Icon url, Mode (primary), Tooltip, Associated inputs (Auto), Style (default), and Repeat for every.



Cards for Power Apps - Considerations

- Sizing
- Multiple screens
- Multiple records
- Containers
- Test
- Variables



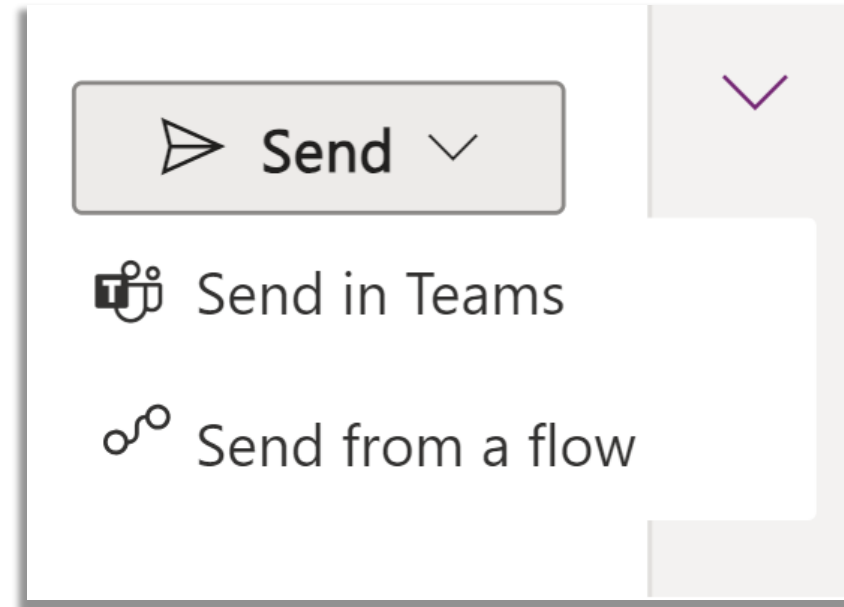
A winning hand: Cards for Power Apps

- Cards for Power Apps
- **Sharing in Teams & Power Automate connector for Cards**
- Data sources for Cards



Sharing in Teams

- Prerequisites
- Chat, channel, or meeting
- Share link



Sharing in Teams

Demo Poll Card

View - Microsoft Teams - Light

Send

Debug

Demo Poll

Please select a brand of card you prefer

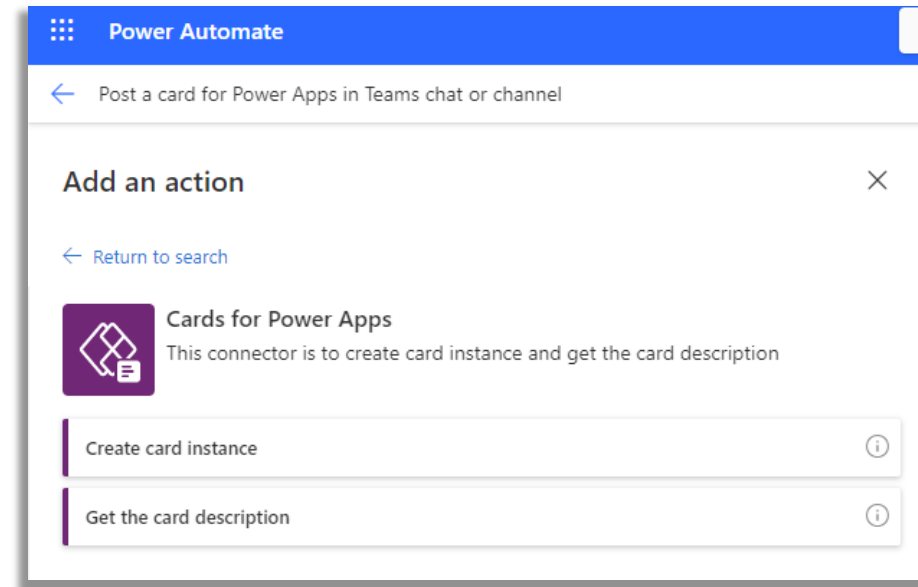
- Honda
- Tesla
- Lexus

Submit



Power Automate connector for Cards

- Template
- Actions
 - Create card instance
 - Get the card description
 - Post a card (Teams action)



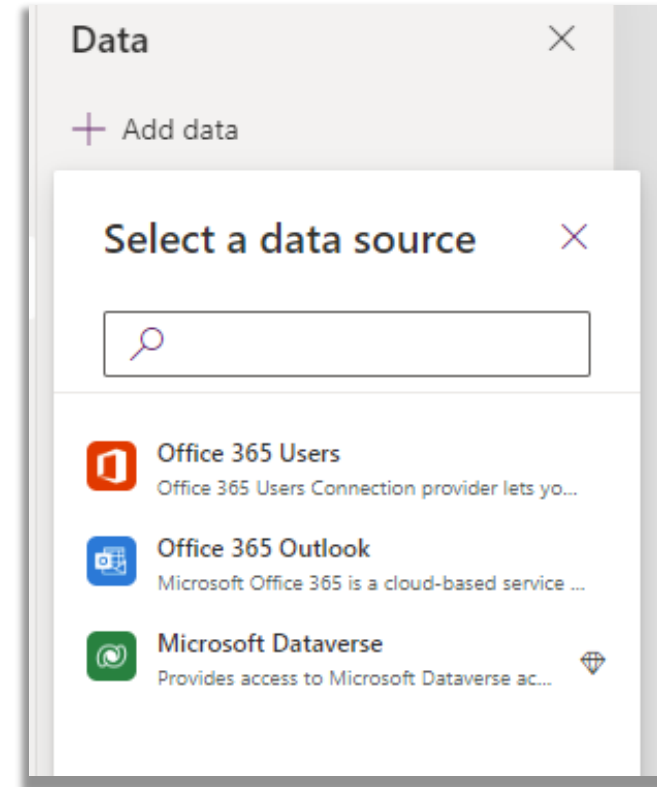
A winning hand: Cards for Power Apps

- Cards for Power Apps
- Sharing in Teams & Power Automate connector for Cards
- **Data sources for Cards**



Data sources for Cards

- Office 365 Connectors
 - Office 365 Users
 - Office 365 Outlook
- Currently (“real data sources”):
 - Only Dataverse as a data source



Data sources for Cards – Office 365

The screenshot displays the Microsoft Power Apps environment. At the top, the header shows 'Power Apps' with a search bar and environment information: 'Environment ZePowerDiver (default)'. Below the header, the navigation bar includes 'Back', 'View - Microsoft Teams - Light', 'Demo Card Studio', and 'Play' buttons. The main workspace is divided into three sections:

- Tree View (Left):** Shows a hierarchical view of the app structure. The 'Office365' data source is expanded, showing a 'body' container with several controls, including 'aboutMeInput' which is currently selected.
- Formula Bar (Center):** Displays the data source path for the selected control: `=office365Users.MyProfileV2((select:"aboutMe")).aboutMe`. Below the formula bar, a preview of the control is shown with the label 'New About Me:' and an 'Update' button.
- Properties Pane (Right):** Shows the configuration options for the 'Text input' control. The 'aboutMeInput' control is selected. The properties include: Default value, Placeholder, Label (set to 'New About Me:'), Multiline (disabled), Style (set to 'text'), Max length, Inline action (disabled), Visible (set to 'true'), Spacing (set to 'default'), Divider (disabled), and Height (set to 'auto').



Data sources for Cards – Dataverse

Power Apps Environment: ZePowerDiver (default)

View: Microsoft Teams - Light

Verb: `Set(EnteredAccountName, AccountName); Navigate(DetailsScreen);`

Tree View

- + New screen
- DataverseCard
 - main
 - body
 - textLabel1
 - AccountName
 - textLabel2
 - actions
 - button1
 - button5
- DetailsScreen
 - body
 - textLabel1
 - textLabel2
 - NewName
 - actions
 - button2

Button Properties (button1)

Property	Value
Type	Run PowerFx
On select	fx Power Fx
Title	View details
Icon url	
Mode	primary
Tooltip	
Associated inputs	Auto
Style	default
Repeat for every	

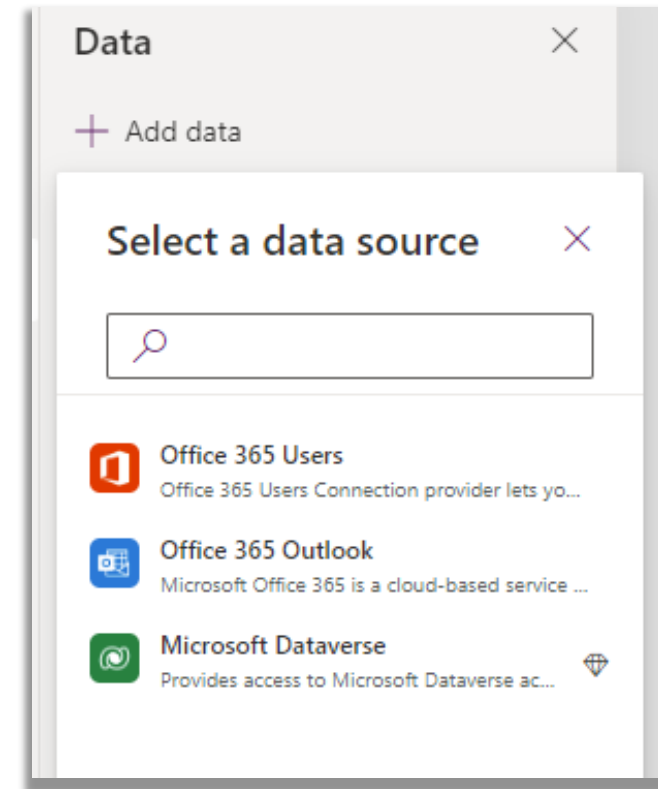
Data sources for Cards – Dataverse (Premium)

The screenshot displays a Microsoft Teams chat interface. On the left, a sidebar contains navigation icons for Activity, Chat, Teams, Calendar, Calls, OneDrive, and Apps. The main chat area shows a conversation with 'Henry Ross (You)' and a recent message from 'Power Apps' at 2:50 PM stating 'Sent a card'. The card itself is titled 'Enter account name' and includes a search input field, the text 'Search for the account', and two buttons: 'View details' and 'Create New Account'. The chat header shows 'Power Apps' with navigation options for Chat, Home, and About. At the bottom, there is a text input field labeled 'Type a message' and a row of icons for emojis, GIFs, video, voice, screen sharing, and attachments.



Data sources for Cards

- Office 365 Users:
 - Get/Update Profile information
- Office 365 Outlook
 - Send email messages
- Dataverse (Premium):
 - Create:
 - Defaults() not supported: use Collect
 - No support for:
 - Images
 - URL
 - Files



Cards for Power Apps - Considerations

- When to consider Cards?
 - Simple Scenarios
 - Minimal user input
 - Shared via Teams
 - Action required vs. Consumable App
 - LoCode (vs. Adaptive Cards JSON)
 - Dataverse = Premium

...

Poll Request

Power Apps Card Poll

Preferred Car Model

We are polling our employees in order to determine if we should provide personalized parking places that are sized for the most popular cars.

Please vote on your preferred car model from the choices listed here.

Tesla

Lexus


Honda


Submit

What's next? Q&A

Shaping next-gen development: the future of Copilot in Power Platform

Wednesday, May 22 | 4:00 PM - 4:45 PM Eastern Daylight Saving Time Duration 45 minutes

 BRK211

 Breakout

In Seattle + Online

Will be recorded

Speakers:



[Charles Lamanna](#) | Microsoft



[Miti Joshi](#) | Microsoft




[Ray Smith](#) | Microsoft



[Leon Welicki](#) | Microsoft

AI is transforming the way we work, and organizations need cutting-edge AI solutions to stay competitive and meet increasing demand. Copilot in Microsoft Power Platform and Microsoft Copilot Studio enable developers to build powerful and effective applications and custom copilots that improve user engagement and reduce development costs and risks. Join us to learn how these game-changing AI capabilities can help lead your organization into the future of development.

 Add to