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The Ultimate Power Slam: Dynamics 365 **Power Pages Portals**

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Agenda

- Introduction
- Overview of Model-Driven Power Apps (Dynamics 365 CE)
- Overview of Microsoft Power Pages
- Power Apps vs Power Pages where and when to use each
- Extending Power Apps features to Power Pages
- Differences in functionality
- Licensing
- Using Power Pages as an internal application
- Questions



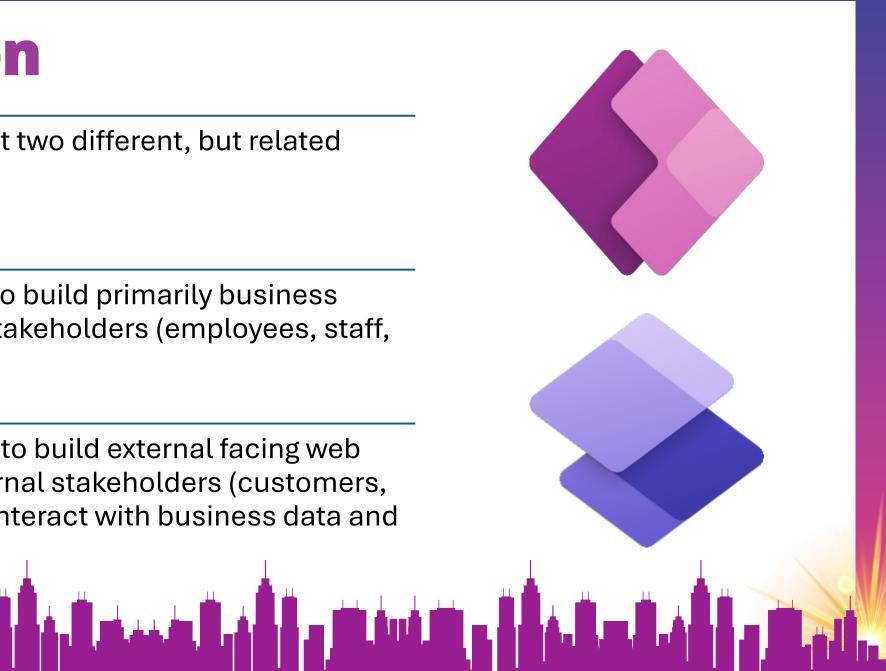


Introduction

This session will talk about two different, but related application platforms.

Power Apps is a platform to build primarily business applications for internal stakeholders (employees, staff, partners)

Power Pages is a platform to build external facing web applications to allow external stakeholders (customers, members, volunteers) to interact with business data and systems.

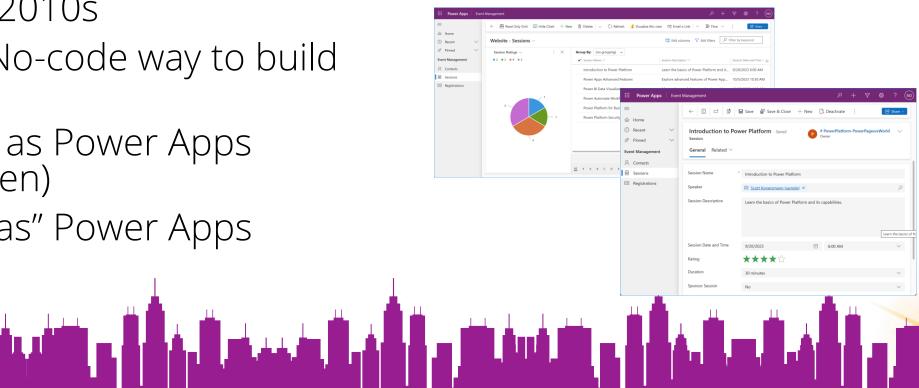


Overview: Model-Driven Power Apps

- Evolution of building unique line of business applications on top of Dynamics CRM
- What was called "xRM" in the late 2000s/2010s
- Low-code/No-code way to build apps
- Rebranded as Power Apps (model driven)
- Note "Canvas" Power Apps



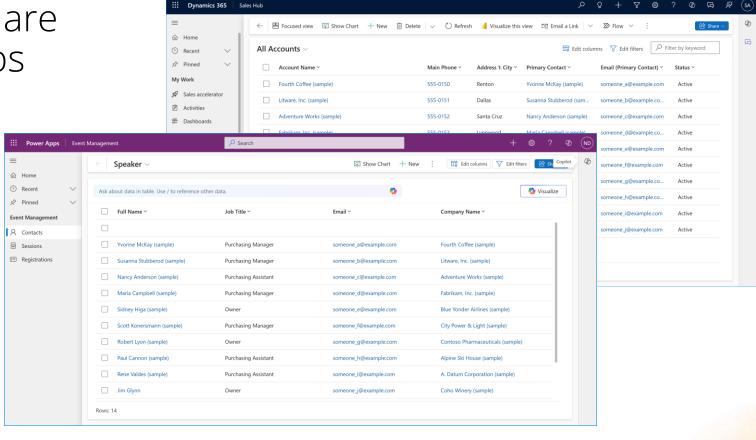






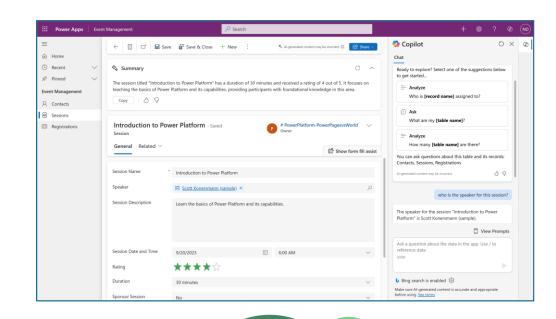
Dynamics 365 (CE) are Power Apps!

 Dynamics 365 (CE) apps are model-driven Power Apps



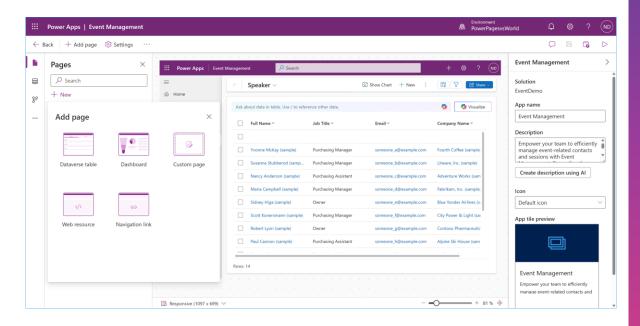
Data-driven business applications

- Configurable components (views, forms, charts, dashboards)
- All linked to Microsoft Dataverse (directly or via virtual tables)
- Can have embedded canvas apps (aka custom pages)
- New built-in Copilot and Al features



Building model-driven apps

- Model-driven Power Apps can be generated via the Plan Designer or manually
- Requirements > Data > Solution
- Configured by creating tables (Data model) and building forms, views, charts, dashboards and adding to a standard sitemap.



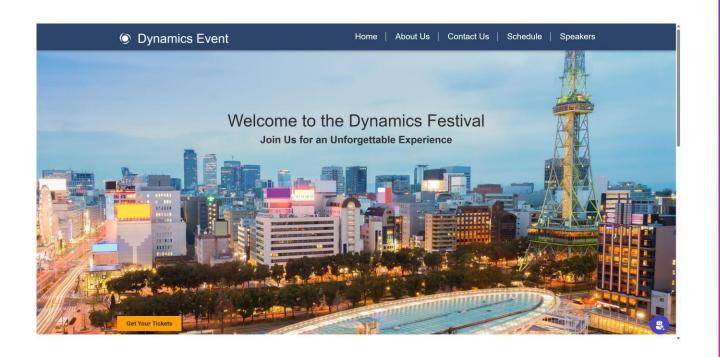


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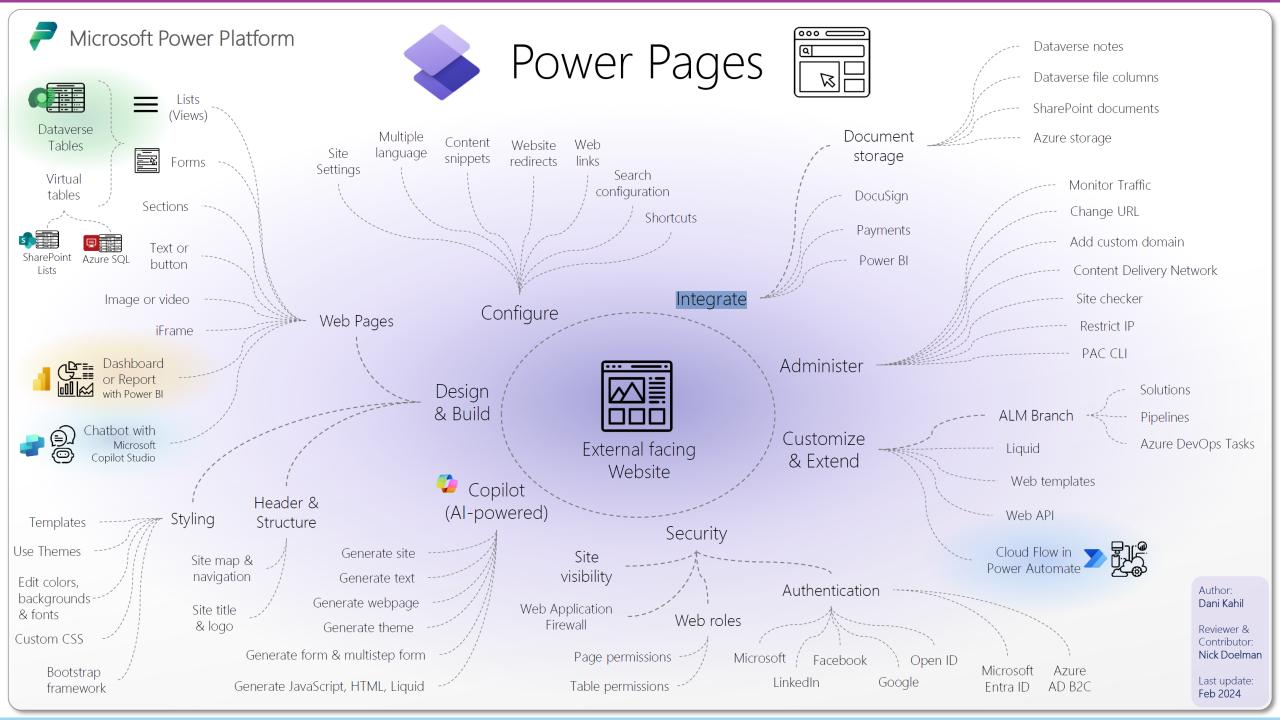
Whirlwind tour of a model-driven Power App

Overview: Power Pages

- Formally known as:
 - Power Apps portals
 - Dynamics 365 portals
 - Adxstudio portals
- Requires Dataverse!
- Built-in features like authentication, security
- No code way to build data driven websites

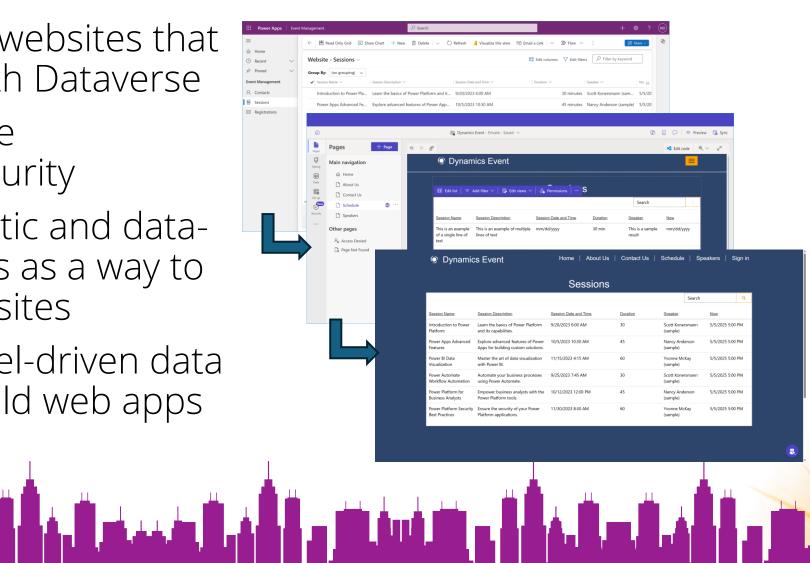






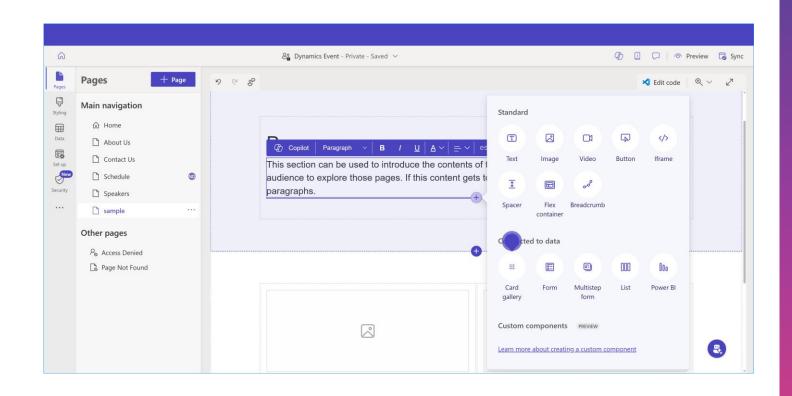
Overview: Power Pages

- Platform to create websites that interact directly with Dataverse
- Built-in features like authentication, security
- Has a variety of static and datadriven components as a way to no-code build websites
- Utilizes some model-driven data components to build web apps



Building Power Pages websites

- Drag and drop, edit components, or use Copilot in the Power Pages design studio
- Can also be extended via Visual Studio Code or modifying metadata





DEMO

Whirlwind tour of a Power Pages website

Power Apps and Power Pages: where and when to use each*

Power Apps

- Internal staff, contractors (people you know)
- Integrated to Entra ID users
- Complex data management and security requirements
- Complex data management needs
- Complex functionality and processing

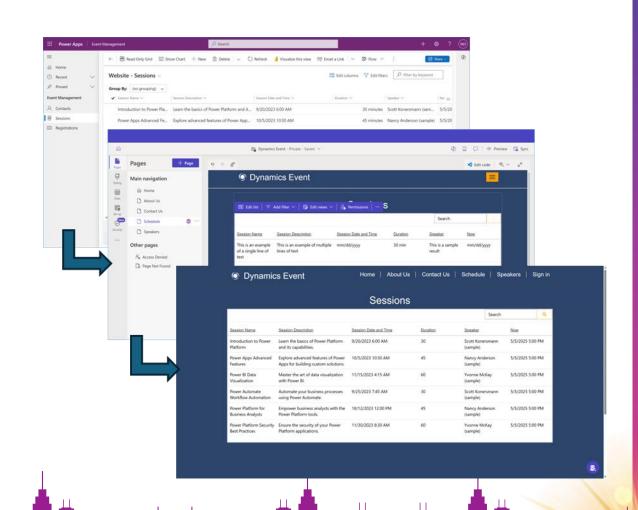
Power Pages

- External staff, partners, members, volunteers (people you might not know)
- Uses different authentication providers (Entra External ID, OKTA, LinkedIn, etc)
- Controlled access to Dataverse data
- Secure access to data



Extending Power Apps features to Power Pages

- Model-driven app views, forms are used as foundation for lists and web forms in Power Pages
- Can also extend SharePoint, and classic charts to Power Pages
- Can embed Power BI reports
- Power Pages has some limitations vs Power Apps
- DEMO building a list from a Power Apps view



Extending Power Apps features to Power Pages

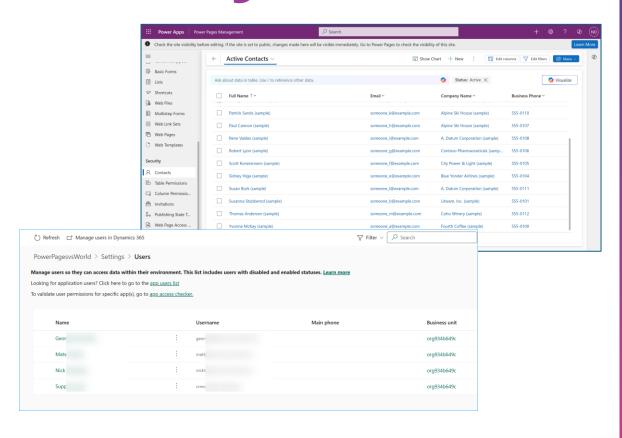
 Shared Dataverse; data updates from Power Pages can trigger plug-ins, Power FX functions, workflows, Power Automate flows, etc.





What is different? - Security

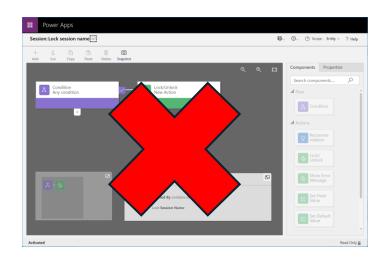
- Power Apps is based on system users and security roles
- Power Apps security roles determine privileges to Dataverse tables and app functionality
- Power Pages is based on Dataverse contacts and web roles
- Power Pages has table permissions and web page permissions

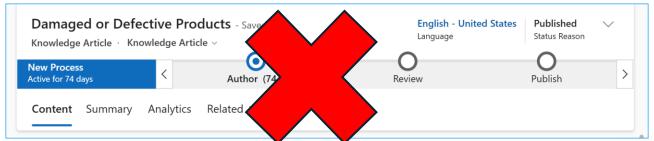




What is different? - App automation

- Power Apps (model-driven apps) client-side scripting does not work/match on Power Pages
- Business Rules (form) will not run on Power Pages
- Business Process Flows will not appear or run on Power Pages

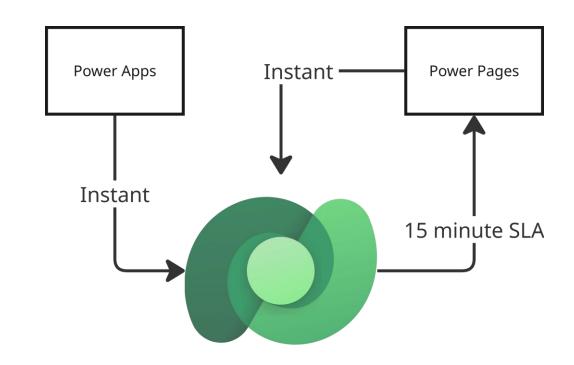






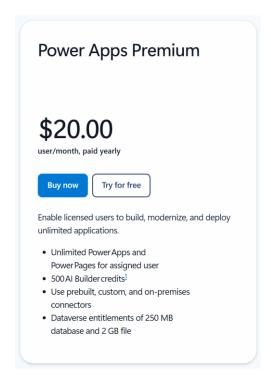
Caching

- Power Pages uses caching to improve responsiveness and efficiency
- Data updated from other sources may not appear in Power Pages for up to 15 minutes (~ 5 minutes)
- Data written from Power Pages is instantaneous





Licensing



Power Pages authenticated users

Give users access to low-code business portals with authenticated access, built-in content delivery network support, and Dataverse storage. $^{2.5}$

\$200.00

100 users/site/month, paid yearly

See terms³



Power Pages anonymous users

Allow users to browse Al-native business portals anonymously with built-in content delivery network support and Dataverse storage. 26

\$75.00

500 users/site/month, paid yearly

See terms4



Buy now



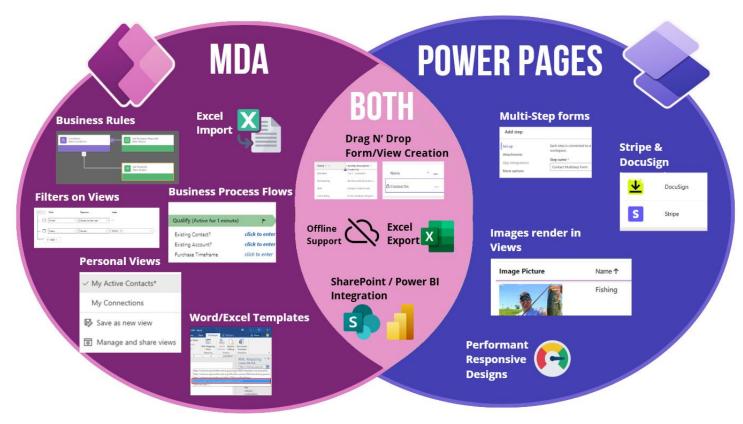
Using Power Pages internally

- From an application and financial sense, building an app on Power Pages may make sense
- Examples:
 - HR support
 - Expense tracking
 - Internal requests
- Great post by Sean Astrakhan and Franco Musso

https://www.untethered365.com/post/power-pages-for-internal-projects



Using Power Pages internally



Source:

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Conclusion

 Right tool for the right job but using both (and other parts of the Power Platform) make powerful business applications that satisfy many requirements.



Questions?



