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Canvas Apps vs. Model Driven Apps



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Specializes in manufacturing, supply chain management, and digital transformation

Experienced with ERP, WMS, Power Platform, and D365 CE applications

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Agenda

- Overview of Power Platform
- Canvas app
- Model-driven app
- Canvas vs. Model-Driven App
- Comparison of Power Apps Dev Experience
- Guidance on selecting your Power Apps approach
- Demo
- Q&A



Session Objectives



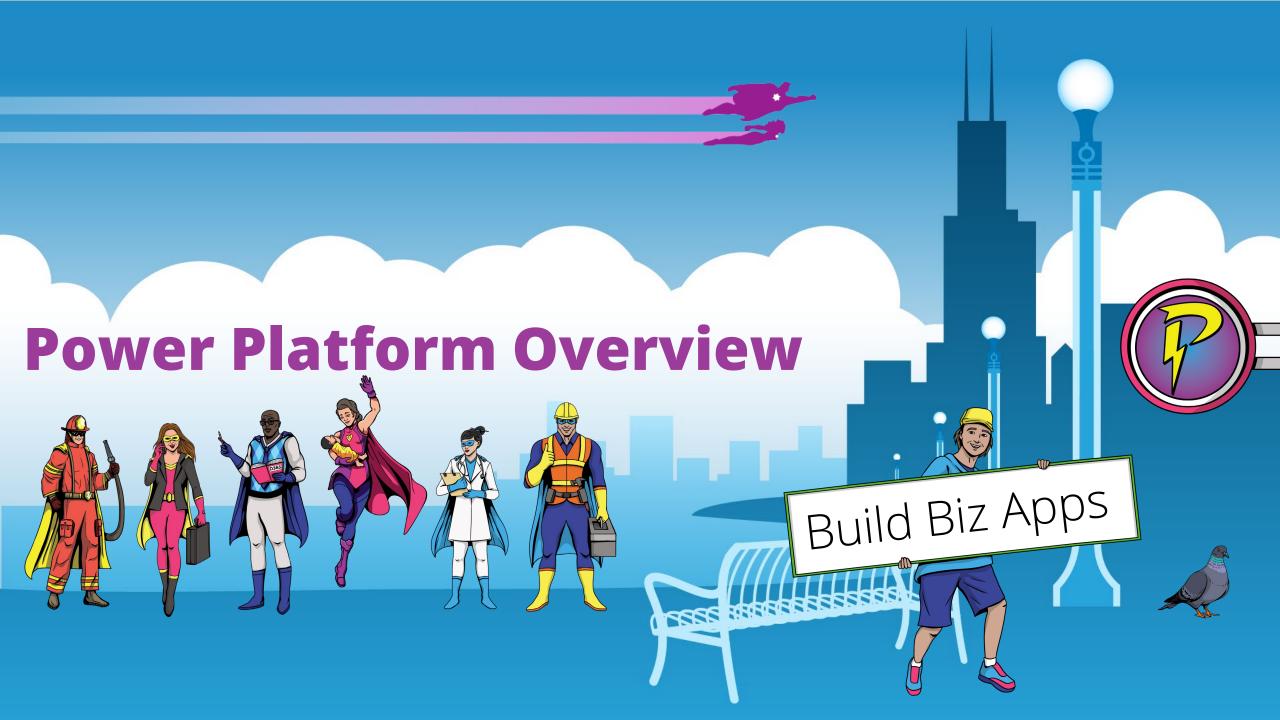
Describe the conceptual differences between Canvas Apps and Model-Driven Apps

Identify key business requirements that differentiate between Canvas Apps and Model-Driven Apps in PowerApps

Highlight the advantages and disadvantage of both Canvas Apps or Model-Driven

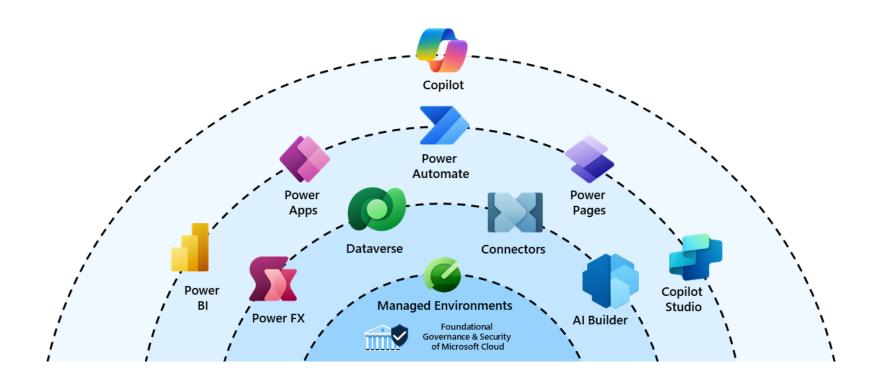
Apps





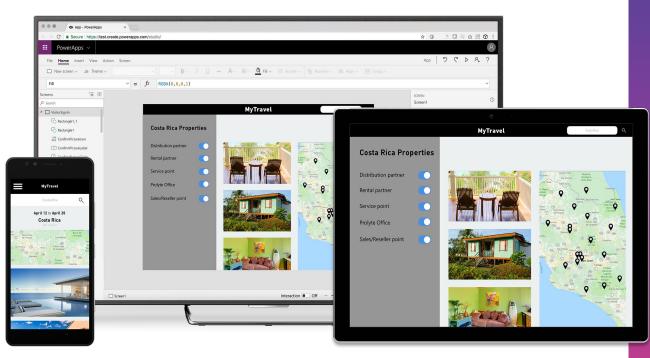
Microsoft Power Platform

The world's most complete platform for developer productivity, spanning no-code to pro code



Power Apps

- Easily build web & mobile apps with a full featured low-code/no-code development experience
- Empower business users to solve their own problems and easily share apps while maintaining security & governance at scale
- Pro developer extensibility enables a "no limits" platform that spans business users to professional developers





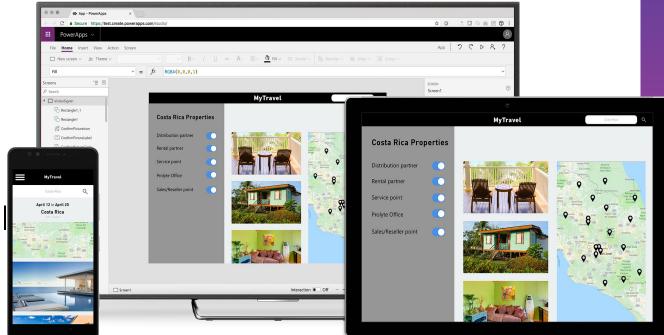
Power Apps

 Reduce time & cost building business applications

• Extend your system of record to simplify processes and remove silos

Reduce errors by automating manual processes

 Consolidate siloed LoB application and improve business processes





Low code approach to building biz apps



Easily build apps with a full featured low-code / no-code platform



Connect to all your data with prebuilt and custom connectors



Enrich and extend your data with Dataverse, Al Builder, and Portals

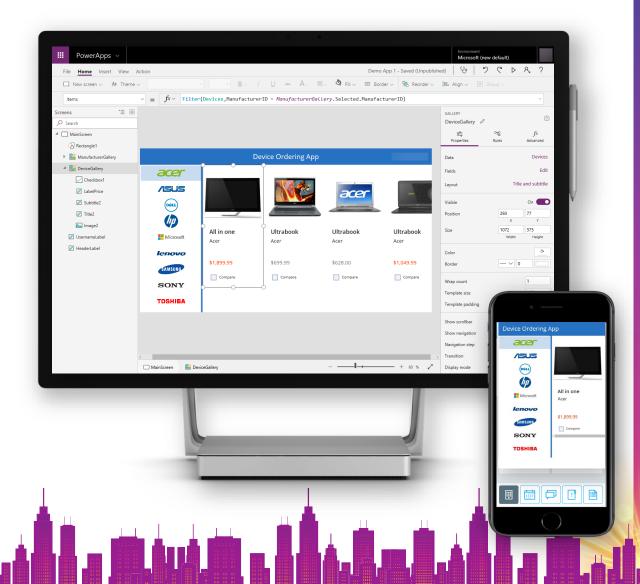


Dynamics 365, Azure, Power BI, Power Automate, and Office 365 integration



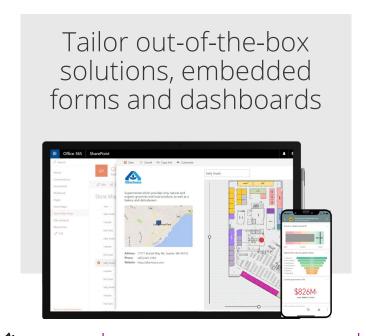
Strong enterprise governance and security

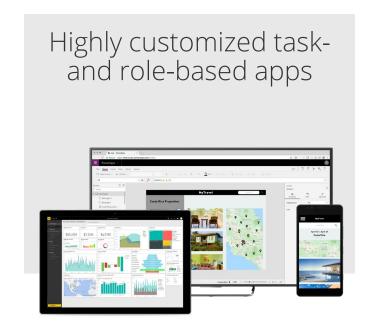
Pro developer extensibility and ALM

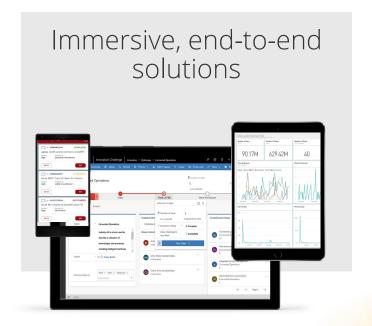


Customize, Extend, and Build

Seamless Dynamics 365, Office 365, and Azure integration plus connectors to 2000+ data sources









Canvas Apps

Pros

- High flexibility and custom design:
- User-friendly, drag-and-drop development:
- Wide integration capability:
- Fast prototyping and development:
- Templates available Mobile-friendly:
- Quick innovation and iteration:

Cons

- Limited scalability:
- Maintenance can become challenging:
- Performance concerns:
- No out-of-the-box standardization:
- Limited reusable components:



Model Driven Apps

Pros

- Highly scalable and enterprise-friendly:
- Automatic UI generation:
- Built-in data validation and security:
- Integration with Dynamics 365:
- Powerful out-of-the-box capabilities:
- Easier to maintain:

Cons

- Limited UI customization:
- Heavily data-driven:
- Steeper initial learning curve:
- Less ideal for rapid prototyping:
- Limited external integration (without Dataverse):

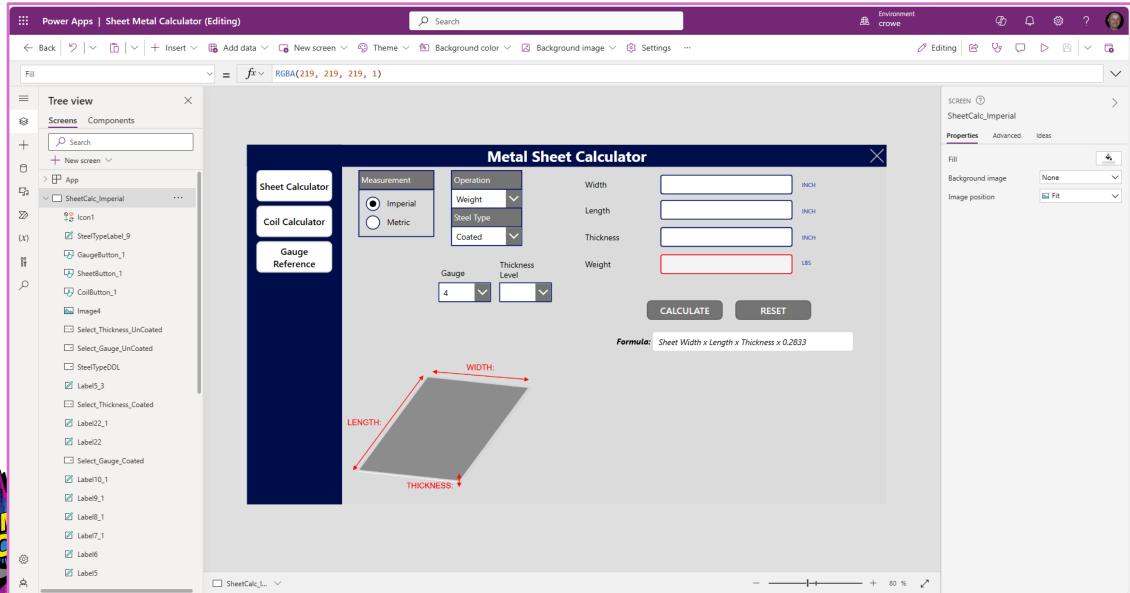


Model-Driven vs. Canvas App

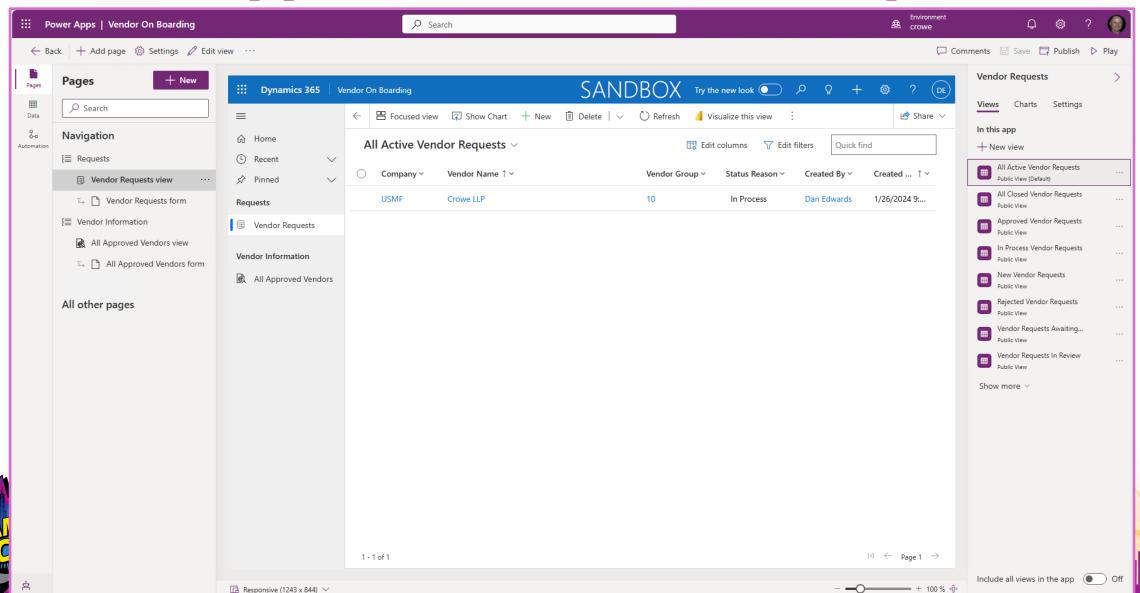
| Category | Model-driven apps | Canvas apps |
|----------------------------------|---|--|
| Data platform | Dataverse only + virtual tables (limitations) | Dataverse + many others using connections |
| Design experience | No-code component focused design | Manipulation of control properties using Power Fx expressions |
| UI control | Limited, predominantly customization | Full control |
| App consistency | High-differs predominantly based on the tables & views chosen | Often low, given the significant control the designers have of the user experience |
| Migration between environments | Simple | Potentially complex given that the data sources may need to be updated |
| Speed of creation | Rapid | Relative to the complexity of the design |
| Responsive | Automatically responsive | Only responsive if designed in this way |
| Navigation through relationships | Automatic, provided relationships exist | Only where designed and applied using Power Fx formulas |
| Accessibility features | Built in | Designed into the app |



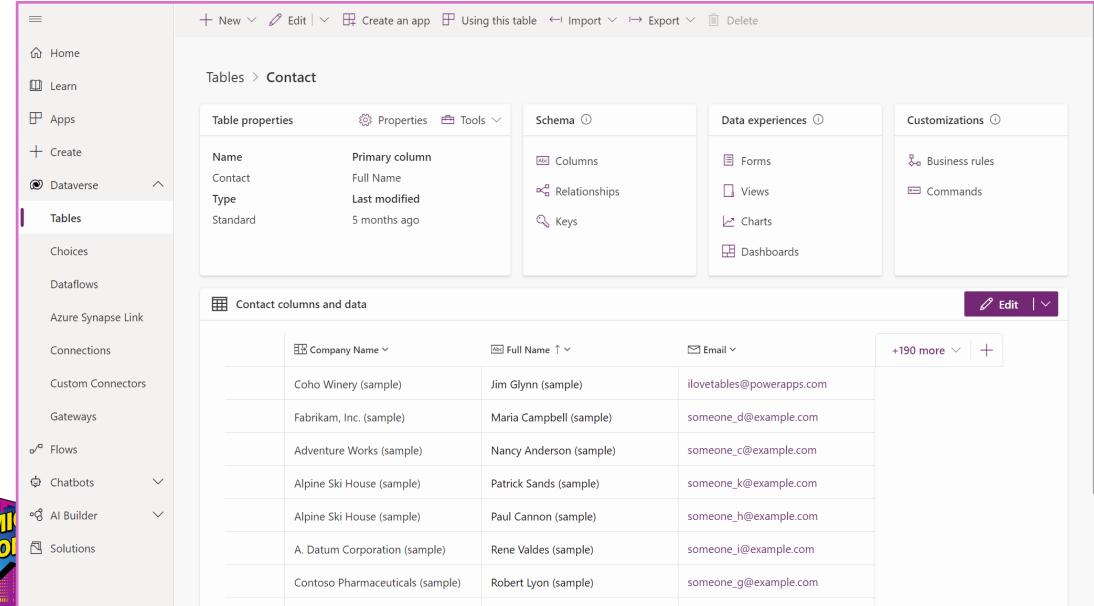
Canvas App Developer Experience

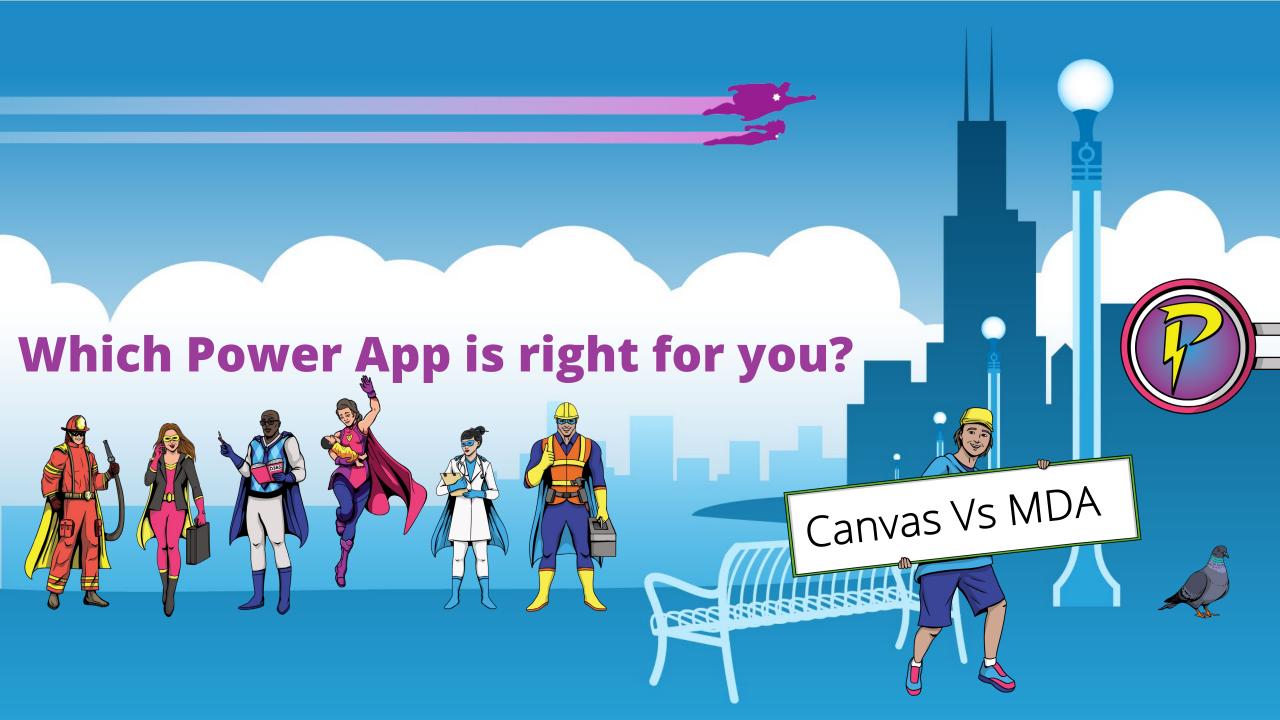


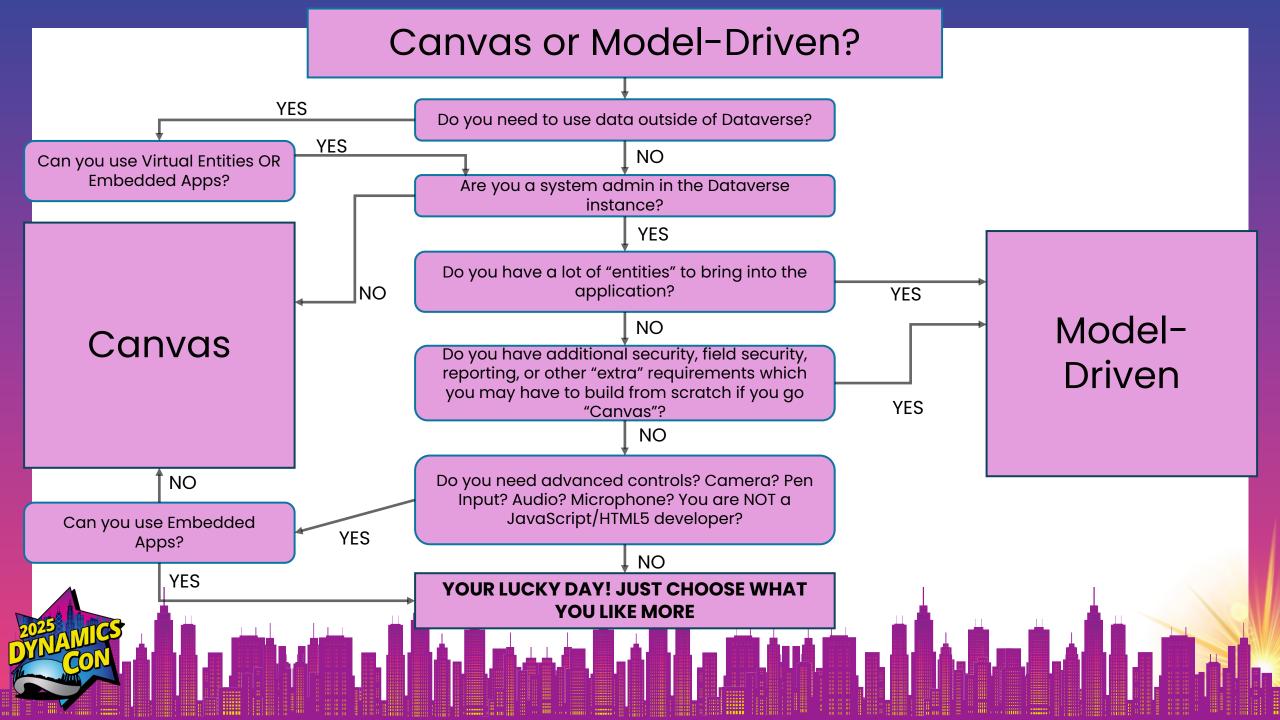
Power App Maker Portal Dev Experience



Power App Maker Portal Dev Experience









THANK YOU

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