

University Workshop Series

Power Platform and AI Builder



Glendon Thaiw,
Technology Specialist (Azure & Bizapps)



Agenda

TRANSFORMATION ENABLERS

Introduction to Microsoft Power Platform and AI Builder (10 mins)

Building Models with AI Builder (10 mins)

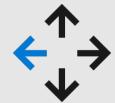
- Object Detection Model
- Form Processing Model

Building Canvas Apps (40 mins)

- Online Shopping Assistant Application
- Form Processing Automation Application

Workshop Resources (5 mins)

Power Platform: Everyone's platform for transformation



No Code

Drag and drop experiences that are like
PowerPoint



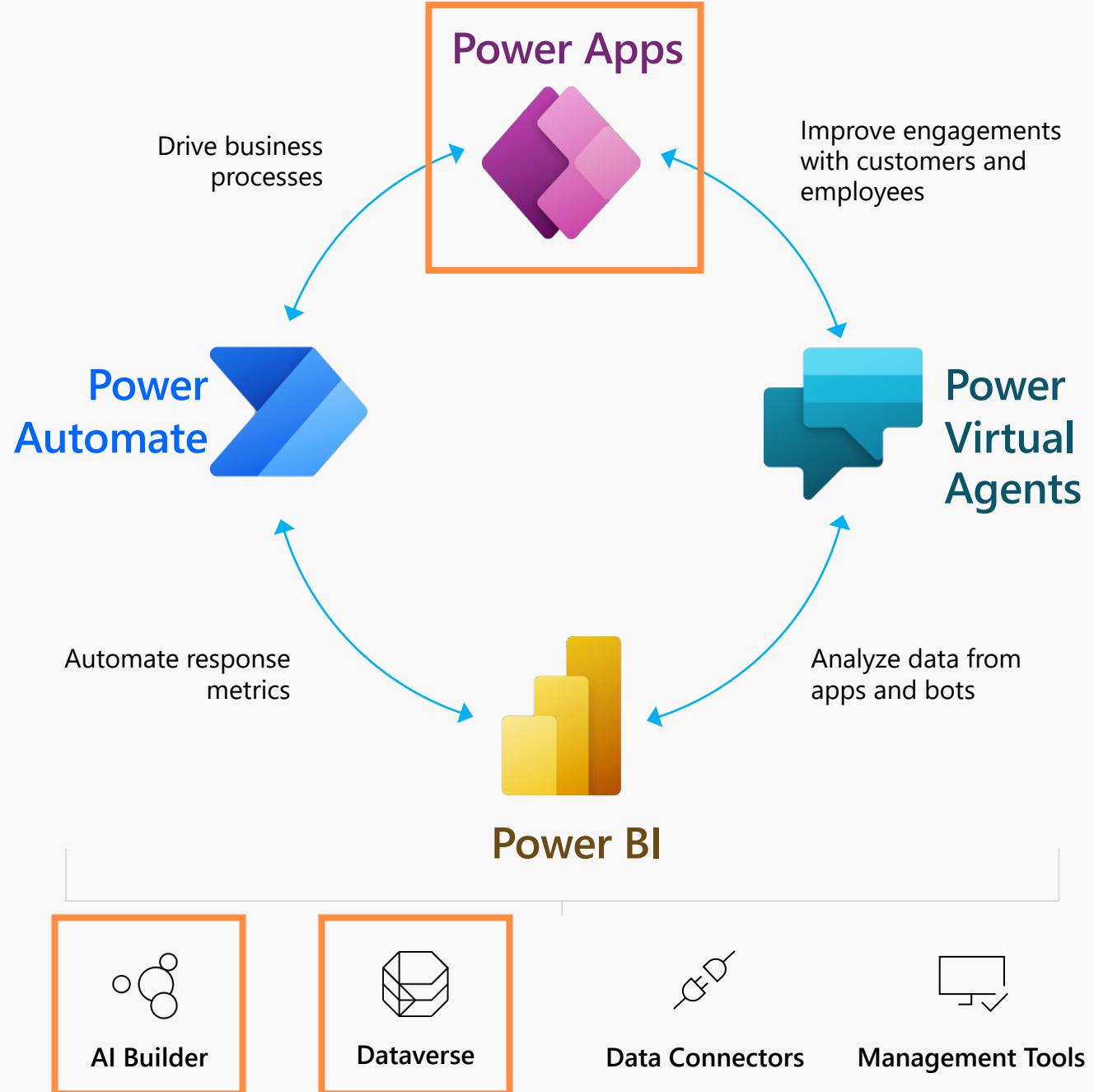
Low Code

Drag and drop plus Excel-like formulas for
functionality

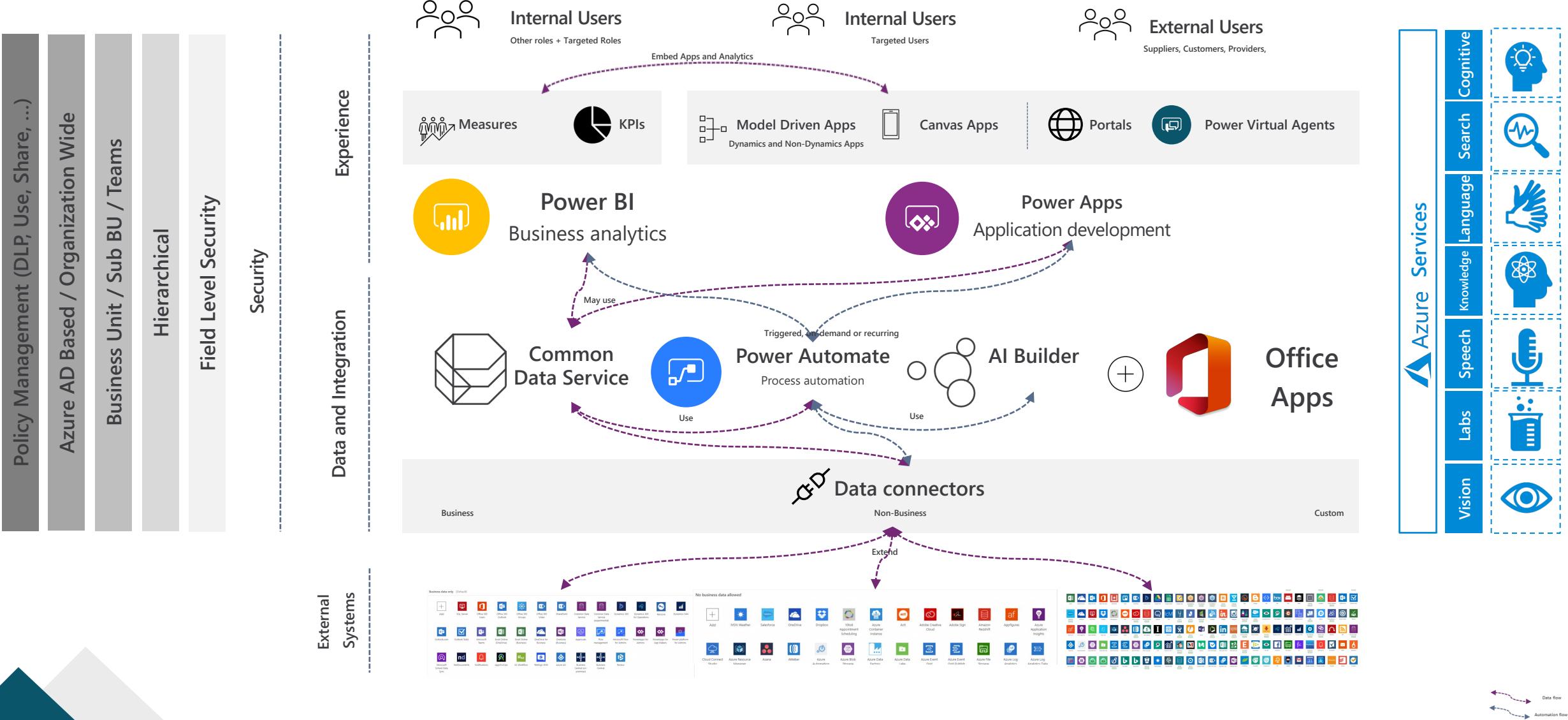


Code First

Professional development and extensibility
across Microsoft



Anatomy of a Power Platform





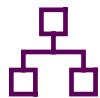
Power Apps: a low-code approach to build mobile apps, desktop apps and web portals

Easily build web & mobile apps with a full featured low-code / no-code platform.



Combine PowerPoint with Excel = Power Apps!

Add **mixed reality experiences** to your apps

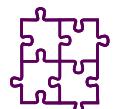


Connect to your existing data with 450+ pre-built connectors and custom connectors



Leverage device features such as camera, GPS, microphone and pen & ink with no code!

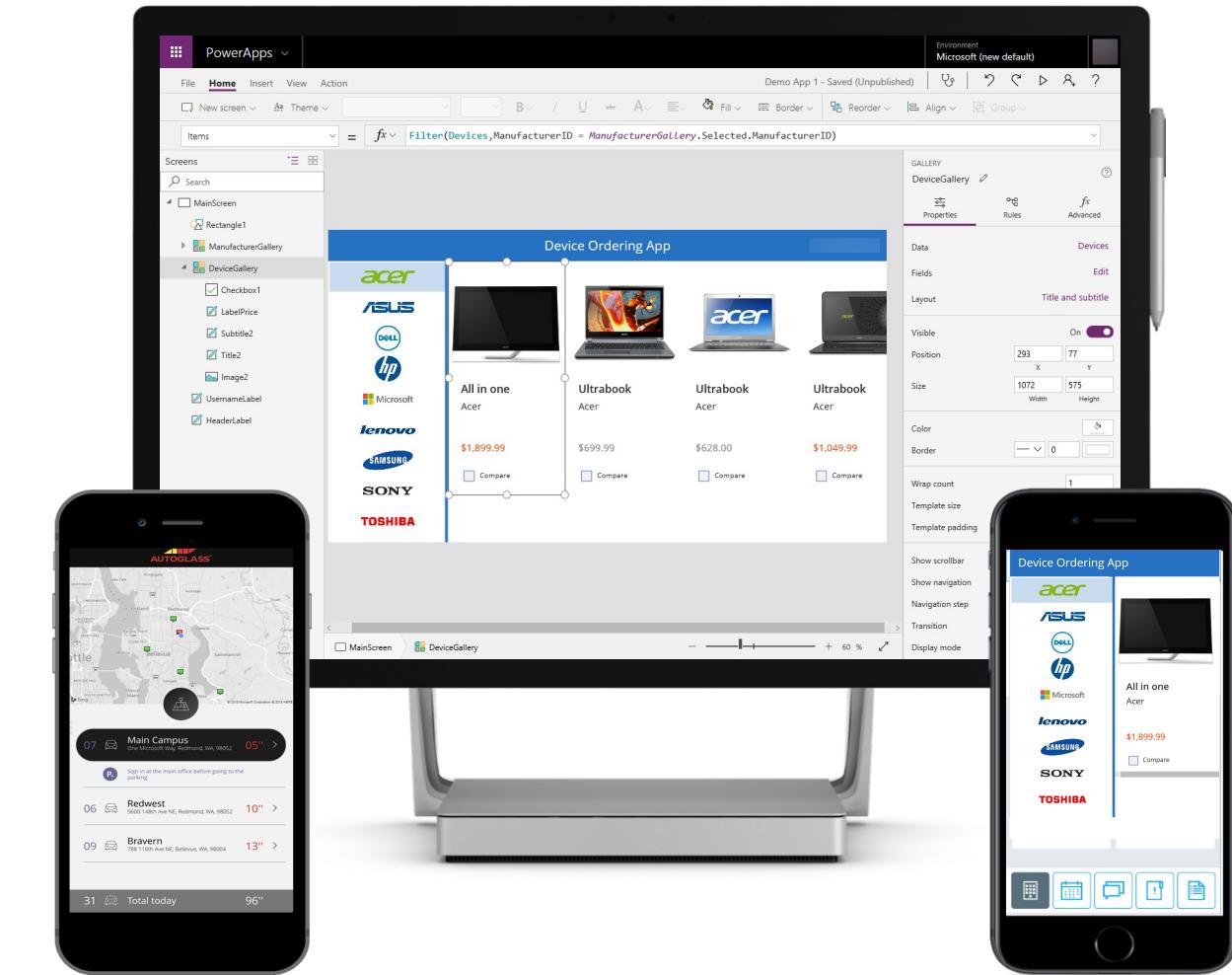
Business users solve business problems. Partnering with Pro-dev's to extend and integrate. No limits.



Integrates with Microsoft Teams, Office 365, Azure, Dynamics, Power Automate & Power BI

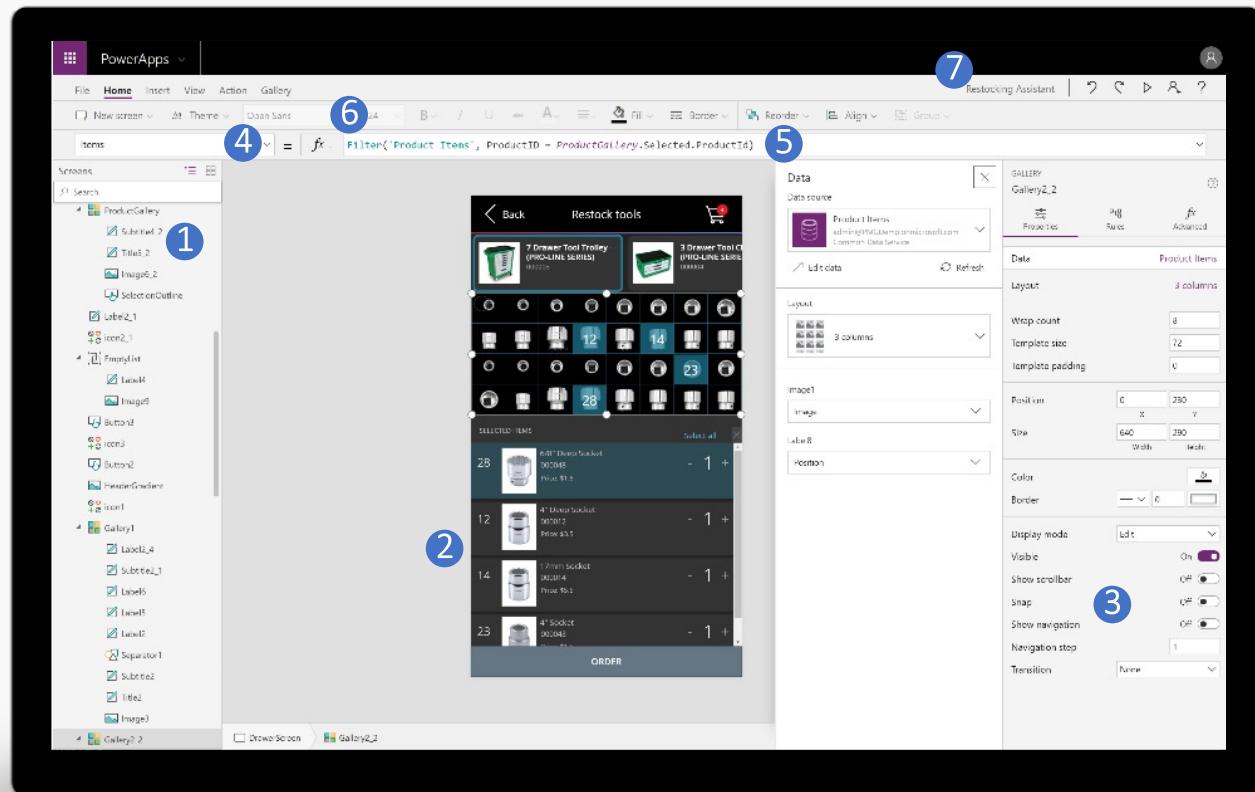


Strong enterprise governance & security



Power Apps Studio

Authoring experience for creating Power Apps



Always updated with the latest builds
and allows you to work in your
browser

1. Left navigation bar
2. Middle pane
3. Right-hand pane
4. Properties
5. Formular bar
6. Ribbon
7. Additional items

AI Builder

Low-code AI for apps and processes



Low-code AI solutions for Power Platform leveraging the power of Azure AI.



Native integration with Common Data Service enables data from CDS, Azure Data Lakes.



Leverage predictions directly from Common Data Service across your Power Platform solutions, Dynamics 365, or Microsoft 365.

Prediction

Binary classification

Predict and classify fields in CDS.

Vision

Forms processing

Extract structured data from digital paper, PDFs, and forms.

Vision

Object detection

Detect any object (via custom training) through camera or image control.

Language

Text classification

Classify, group and categorize any text in CDS.

Dataverse

Put all your data to work

- Jumpstart apps using an extensible data model with business logic, security and integration built in.
- Extend data and processes to external and anonymous users with Power Apps portals.
- Support all your data: relational data, file and blob storage, logs and search indexing.
- Effortless Dynamics 365, Office 365 and Azure integration as well as powerful integration capabilities.

The screenshot shows the Microsoft PowerApps Data Model interface. The left sidebar has a 'Data' section expanded, showing 'Entities'. The main area displays the 'Account' entity with its fields listed. The fields include:

Field	Type	Description
accountid	Unique Identifier	Primary Field
name	Text	Account Name
accountnumber	Text	Account Number
accountratingcode	Option	Account Rating
msemr_accounttype	Option	Account Type
address1_composite	Multiline Text	Address 1
address1_addresspostalcode	Option	Address 1: Address Type
address1_city	Text	Address 1: City
address1_country	Text	Address 1: Country/Region
address1_county	Text	Address 1: County
address1_fax	Text	Address 1: Fax
address1_freighttermscode	Option	Address 1: Freight Terms
address1_id	Unique Identifier	Address 1: ID
address1_latitude	Floating	Address 1: Latitude
address1_longitude	Floating	Address 1: Longitude
address1_name	Text	Address 1: Name
address1_postofficebox	Text	Address 1: Post Office Box
address1_primarycontactname	Text	Address 1: Primary Contact Name
address1_shippingmethodcode	Option	Address 1: Shipping Method
address1_stateorprovince	Text	Address 1: State/Province

The top right corner shows the environment as 'Health Accelerator (healthdb)'.

Hands-on Workshop Overview

End Product Showcase

Online Shopping Assistant

Green Tea Mint
224ec578-3b0d-ec11-b6e6-
>

Search on Amazon

Online Shopping Assistant
Object Detection AI model

Form Processing Automation Application | Power Apps

Invoice Number: 1785498
Due Date: Due Date: May 23, 2021
Total: Total: \$238.61

1 1785498
Due Date: May 23, 2021
Total: \$238.61

2 1785498
Due Date: May 23, 2021
Total: \$238.61

3 1785498
Due Date: May 23, 2021
Total: \$238.61

Add to Database

View Database

Form Processing Automation Application
Form Processor Model / Optical Character Recognition (OCR)



Workshop Resources

Hands-on Training Lab Overview

The screenshot shows a GitHub repository page for 'glendont / MSLearnPowerPlatform'. The repository is public and contains one branch ('master') and no tags. The code tab is selected, showing a list of files: 'readme.md', 'Workshop Data and Packages', 'Power Platform and AI Builder - Step by step Tutorial', 'Presentation Deck.pptx', and another 'readme.md'. The main content area displays preparatory materials for the Microsoft University Workshop Series, specifically for Workshop #2 - Power Platform and AI Builder. It includes sections for 'Essential Tools to Prepare for the Modern Workplace', 'Power Platform and AI Builder', 'Repository Materials' (with a table), 'Presenter' (listing Glendon Thaiw), and 'Resources' (links to Microsoft Power Platform Learning Resources, AI Builder in a Day, and Session Recording). The right sidebar shows sections for 'About', 'Releases', and 'Packages'.

<https://github.com/glendont/MSLearnPowerPlatform>



Workshop Resources

Hands-on Training Lab Overview



University Workshop Series

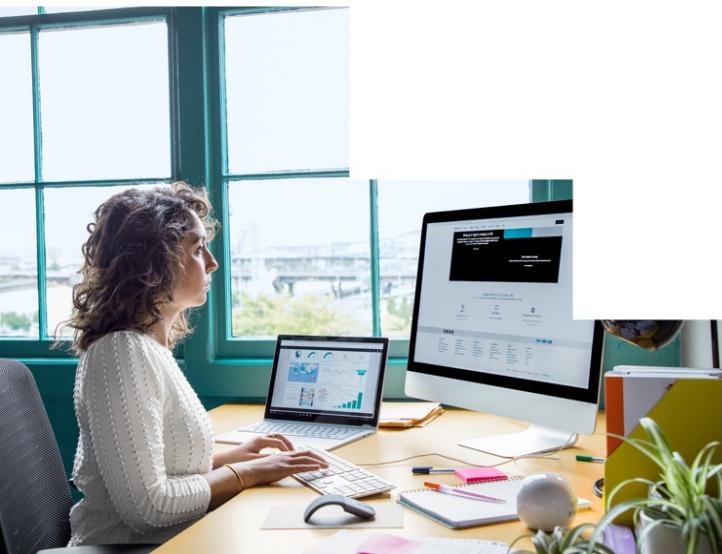
Power Platform and AI Builder

Hands-on Training Lab

Glendon Thaiw

Technology Specialist,

Azure and Business Applications



Locate the table **Object Detection Product** and click on it

On the top bar, click on **Data > Get data > Get data from Excel**

Click on **Upload** and locate the sample data file [Lab Data/ObjectDetection/aib_objectdetectionproducts.csv](#).

After a couple of minutes, click **Import** at the top right



Questions and Answers



Thank You

