Microsoft Dynamics 365

What's new:
Business Central integration
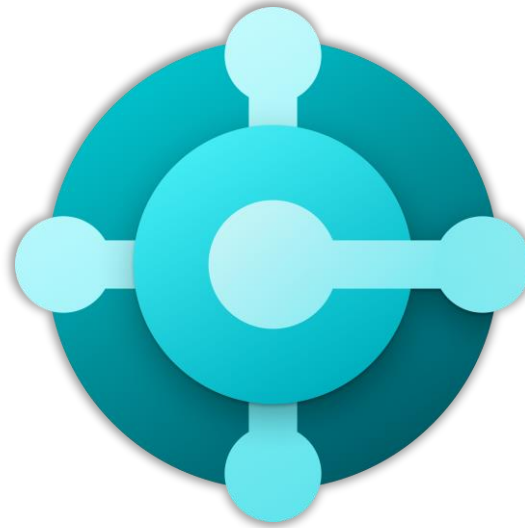**with Power Platform**

Agenda

- Intro
- Power Automate
- Power Apps
- Dataverse Virtual Tables
- Power Pages
- Power BI
- Summary

Business Central in Microsoft Cloud
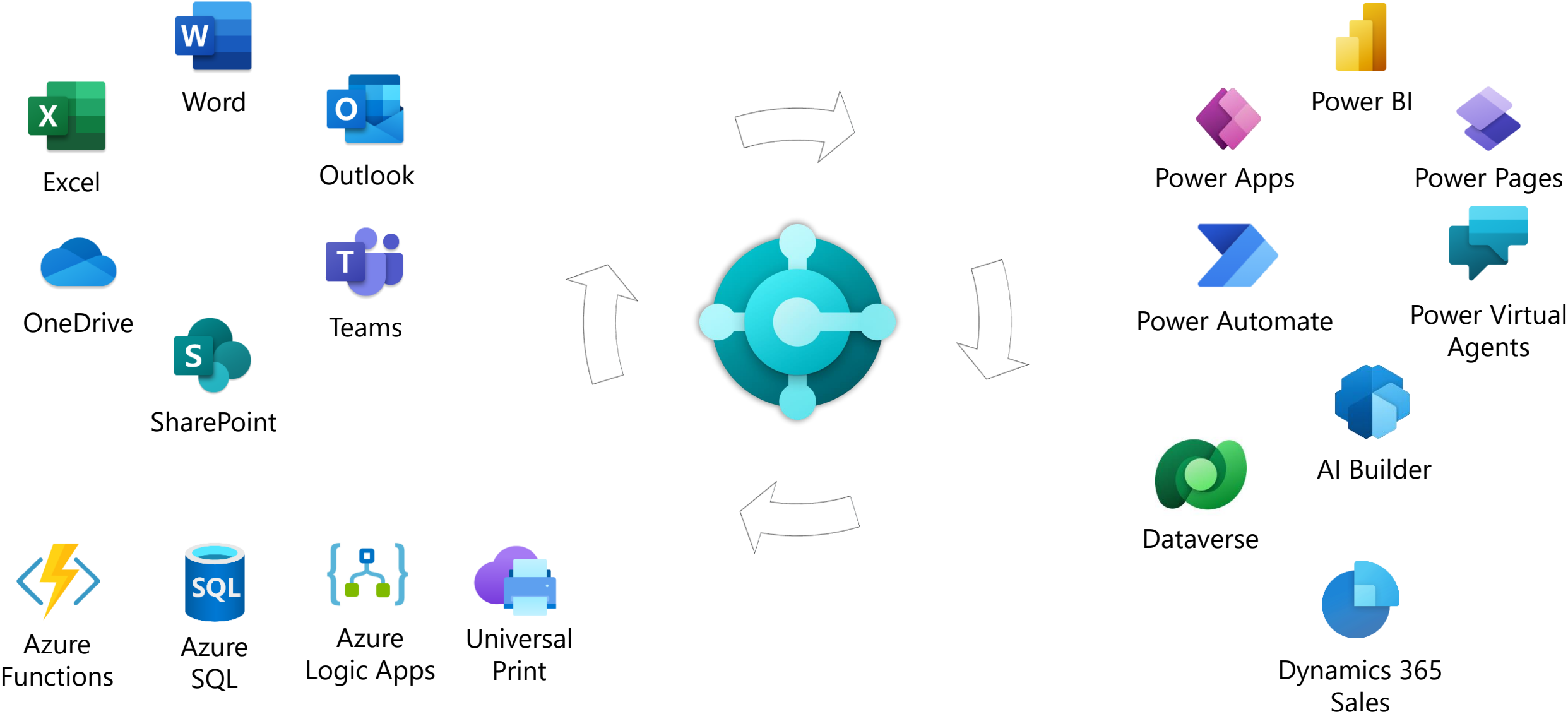

Microsoft 365

Power Platform

Azure

Dynamics 365

Business Central in Microsoft Cloud

Microsoft Power Platform

The world's most complete set of integrated, low-code development tools
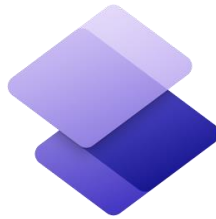
Power BI
Business analytics

Power Apps
Application development

Power Automate
Workflow automation

Power Virtual Agents
Intelligent virtual agents

Power Pages
Secure external business websites

Every developer (low-code)

Pro developer (code-first)

+ Additional capabilities

Connectors
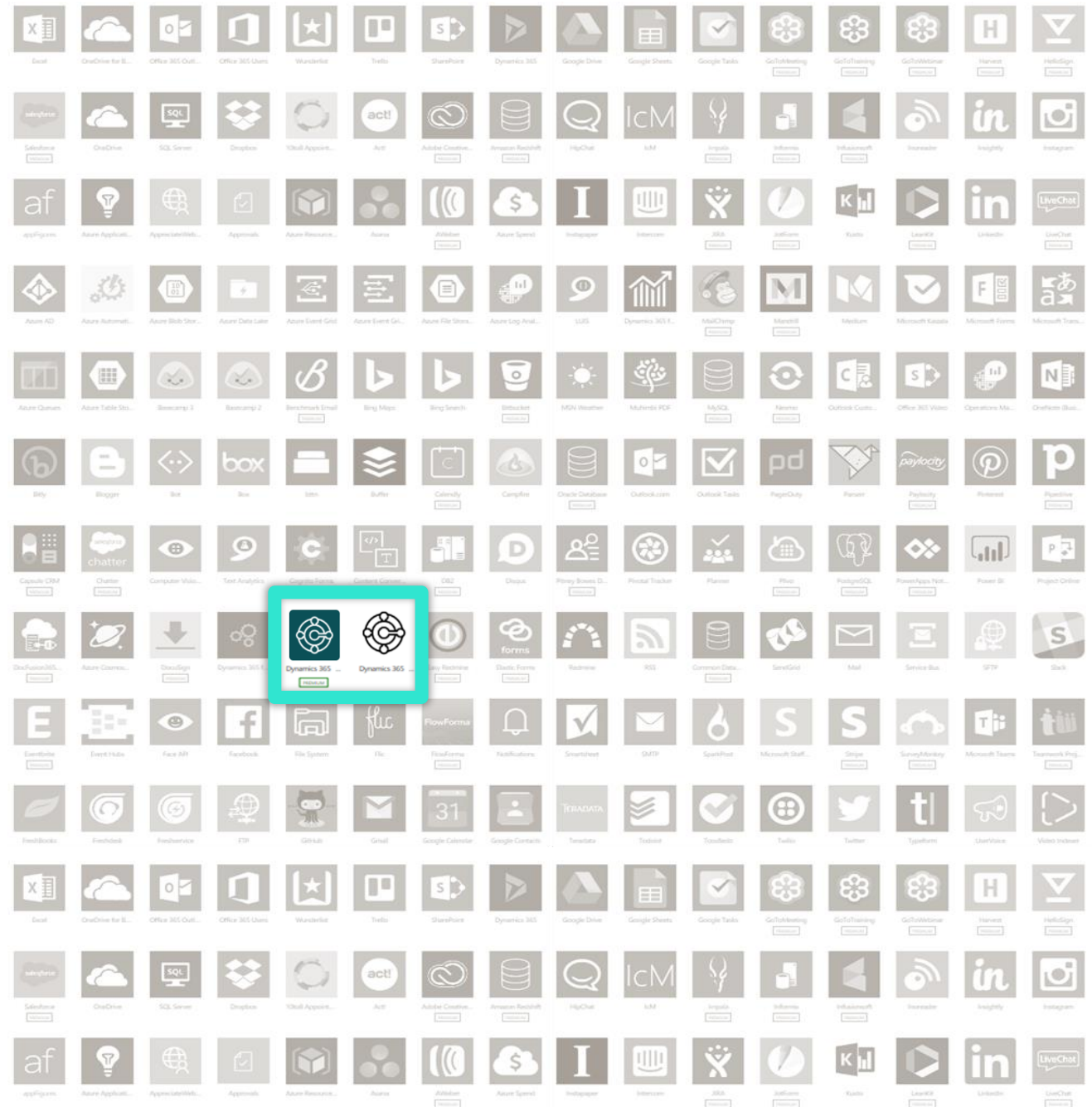
AI Builder

Microsoft Dataverse

Power Fx

Managed Environments

1000+ built-in connectors

Including:
Microsoft Dynamics 365 Business Central

Microsoft Teams, Outlook and many more...

New icon theme in Business Central connectors

Dynamics 365
Business Central

Dynamics 365
Business Central
(on-premises)

Power Automate

Consolidated flow creation from templates

A single-entry point to create flows based on templates:

- Defining an approval request workflow
  - Available if a given page defines it in AL code
  - More discoverable now

- Creating an automated background flow
  - Supports any automation trigger to start the flow
  - That supports also flows based on business events
  - New Business Central templates for these

- Creating an action based on a flow
  - This capability existed before (instant flows)
  - Several new templates have been added to expand its functionality
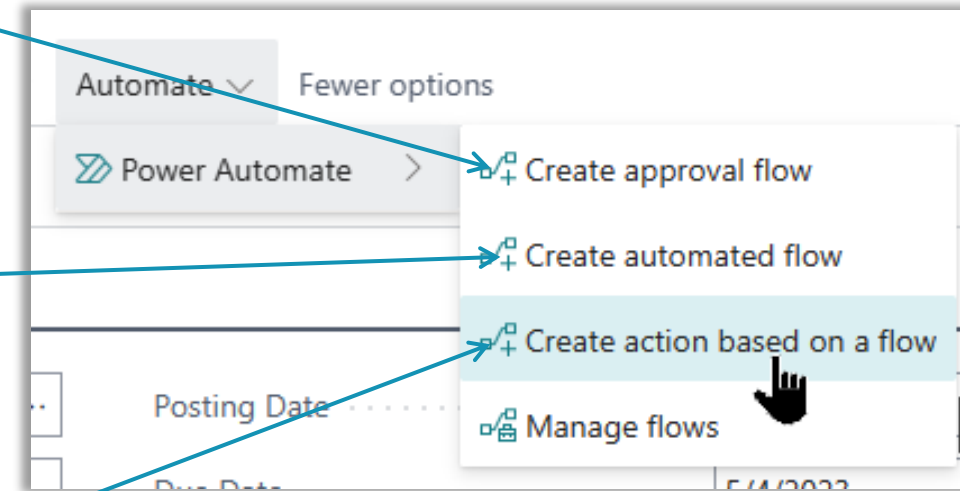
Remember to enable this all in "Feature Management" !

Business Central templates for Power Automate

Approvals

- Request approval (first response, require all, custom) for Business Central via email for:
  - Customer, Vendor, Item
  - Sales – quote/invoice/order/credit memo
  - Purchase - quote/invoice/order/credit memo
  - Journal batches, General journal lines
- Request approval (first response, require all, custom) for Business Central via email + adaptive card in Teams for:
  - Sales order

Automated

- Notify on Teams when external business events occur:
  - Customer is blocked, unblocked
  - Opportunity is activated, closed as lost
  - Purchase - invoice/credit memo/payment/ receipt is posted
  - Purchase order is released
  - Quote is created for opportunity
  - Sales - credit memo/invoice/payment/shipment is posted
  - Sales order is released
  - Sales credit limit is exceeded
  - Winning quote is converted into sales order

Instant / actions

- Block the selected customer
- Schedule a visit for this customer
- Create summary email about open invoices
- Summarize inventory for this item in all companies

—— New templates from 2023 wave 2

Simplified Power Automate approval flow experience

Several changes for Power Automate based approvals were implemented:

· Environment and company is **pre-set** in approval templates*

· The Approval step in Power Automate includes "**Requested by**" to indicate the proper requestor while approving

· **Requestor** is also added to all the approval request **emails** and the final **confirmation** email

· "**Cancel** approval request" action was added to Power Automate

· A new flow **template where** an adaptive card will be posted to Teams when it was approved*

* coming soon
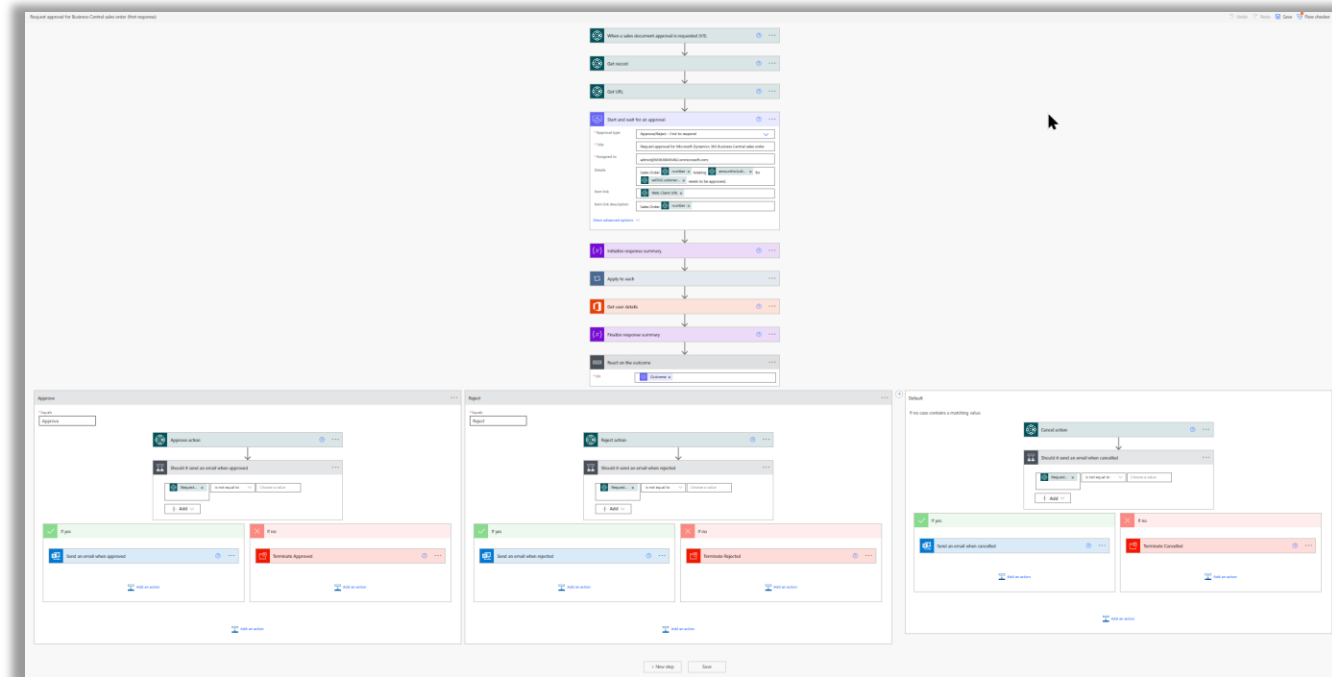
Demo for simplified approval flow experience

Power Automate dynamic support for companies

Provides dynamic capabilities to makers **as they create or edit** flows:

- List API categories and APIs/tables **without** specifying a company
- Edit flow steps with all metadata details even though no company was provided
- Use of standard variables for company ID and make flows that can run in the context of different companies
- Use of **Dataverse environment variables** for environments
- Support for application lifecycle management (ALM) with Dataverse environment variables in AL-Go for Github.
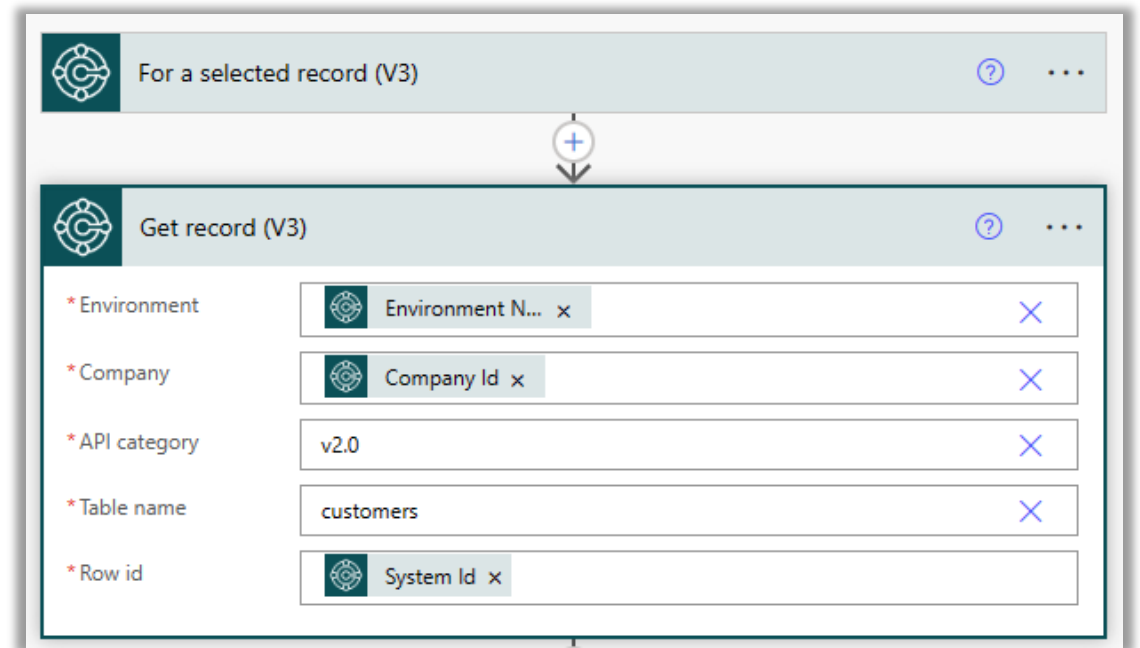
Get list of companies in Power Automate

New action in the connector:

· List companies (V3)

· Access to **Companies API**

· Gets all Business Central companies in each environment

· Easy to either iterate through them all … or find a specific one

· Enables flows that across companies
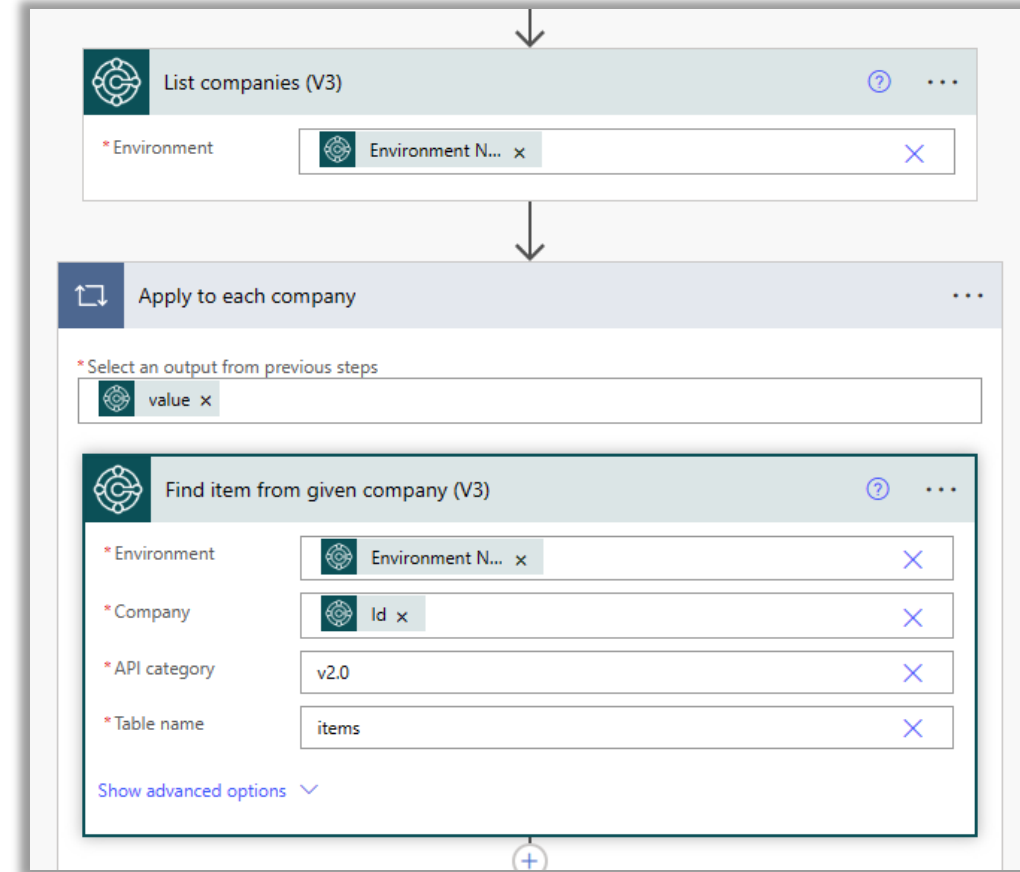
Demo for improved maker's experience

Business events in Power Automate connector

- Outbound interactions from Business Central
  - First party business events added by Microsoft
  - Partners able to raise new ones via new AL construct
- Such event triggers Power Automate flows via:
  - **"When a business event occurs (V3)" trigger in the Business Central connector**
  - "When an action is performed" trigger in Dataverse connector
- Includes context (ex. document ID)
- Can be triggered for a single or all companies in the specified environment
- Supports event versioning

Demo for flows with business events

# Modification in limits for triggering flows in bulk

- Until now, the limit was 100 rows for webhook notification collection change type

- Currently the limit is updated to 1000 rows

- Applies when multiple rows were changed during a short period of time

- This opens up for more advanced scenarios.

Docs: Working with Webhooks - Business Central | Microsoft Learn

# Hiding V2 action in Power Automate

- Power Automate still offers old V2 actions
- This will be fully deprecated in the future
  - Timing is TBD, but likely in 2025
- For now, those actions **will be hidden**
  - This is planned for December 2023
- This may affect your existing flows when they are being edited, **not when run**
- Change will be effective in the connector – independent of the version of Business Central online you're using.

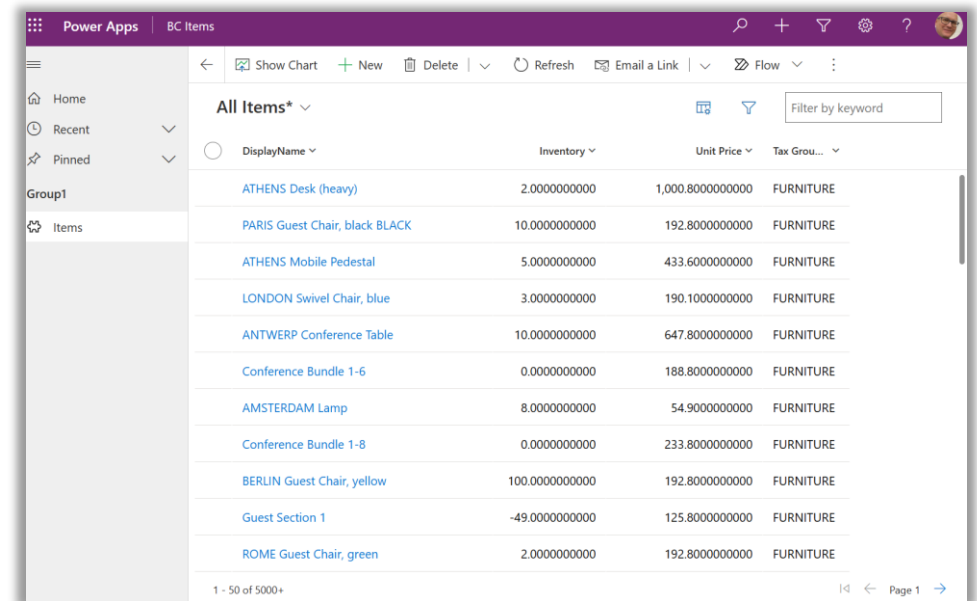**Effective in the BC online connector only - from December 2023.**
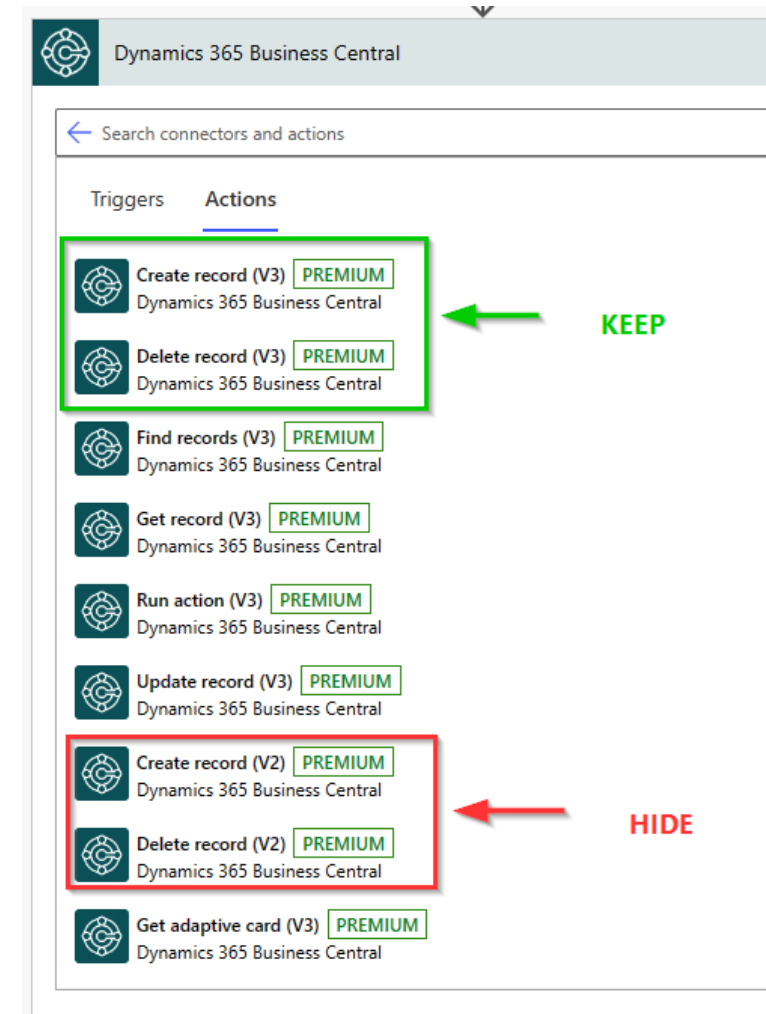
Power Apps

Two types of Power Apps for Business Central
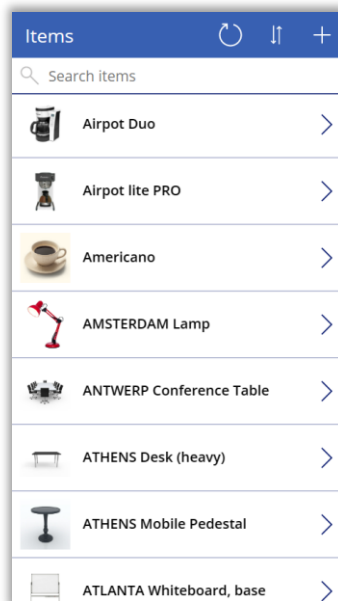
Canvas app
- Full control over UI, but needs to be built
- Works via connector or Dataverse Virtual Tables

Model-driven app
- "Generated" / pre-built based on a data model
- Works only via of Dataverse Virtual Tables

Partner Power Apps ALM with AL-Go for Github

Business Central and Power Apps docs
https://aka.ms/bcpapps

- Updated documentation
- **(New)** Sample Apps
- Getting started guidance how:
  - make the app look good
  - make it easy to maintain
 - properly engineer the connectivity
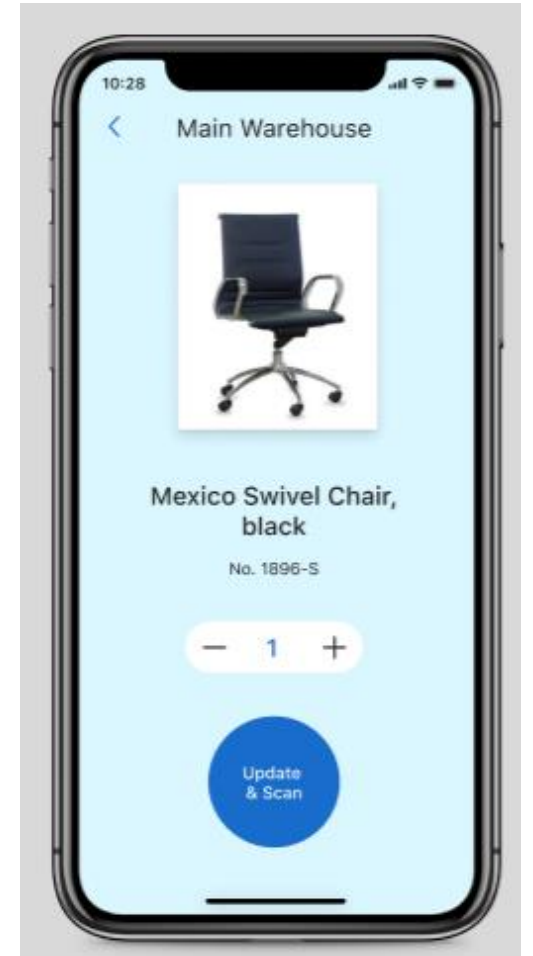
Dataverse Virtual Tables

Enable and choose Dataverse Virtual Tables at set up

Enabling Dataverse Virtual Tables:

- makes data available between Business Central and Dataverse

- enriches integrations without additional customizations

Added in this version:
- Choose virtual tables directly in Business Central
- Visit them in Dataverse

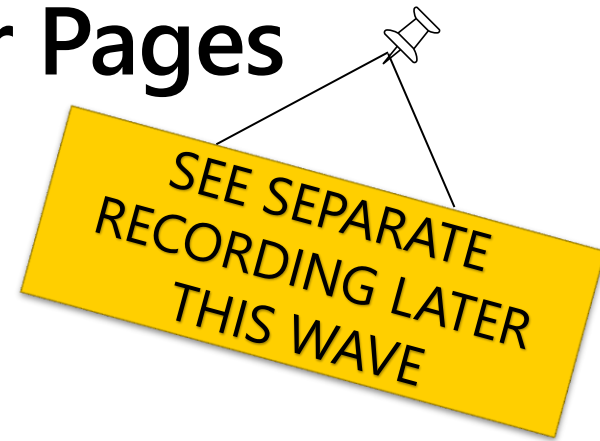- Virtual Tables becoming **Generally Available** later in 2023*
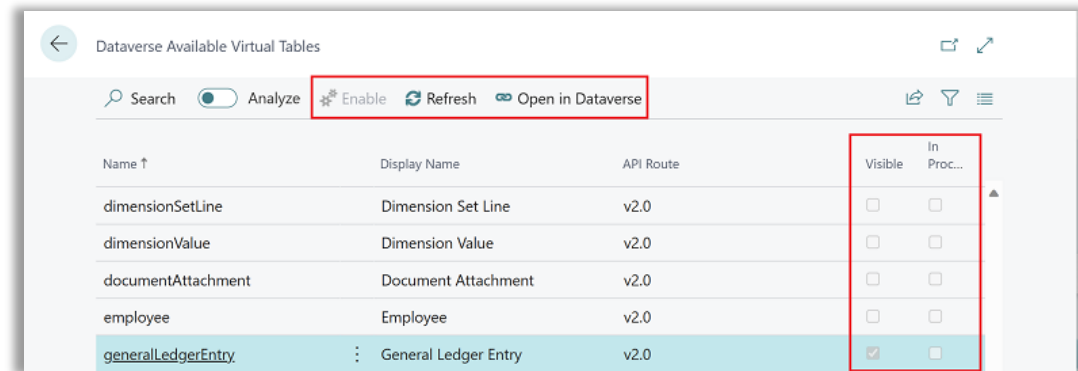
Power Pages

Support for Business Central data in Power Pages

In preview from later in 2023

· This will be available via Dataverse Virtual Tables

· Will enable B2B portal scenarios with access to selected data

· More details – November Directions EMEA timeframe

· Opt-in required

· Preview only
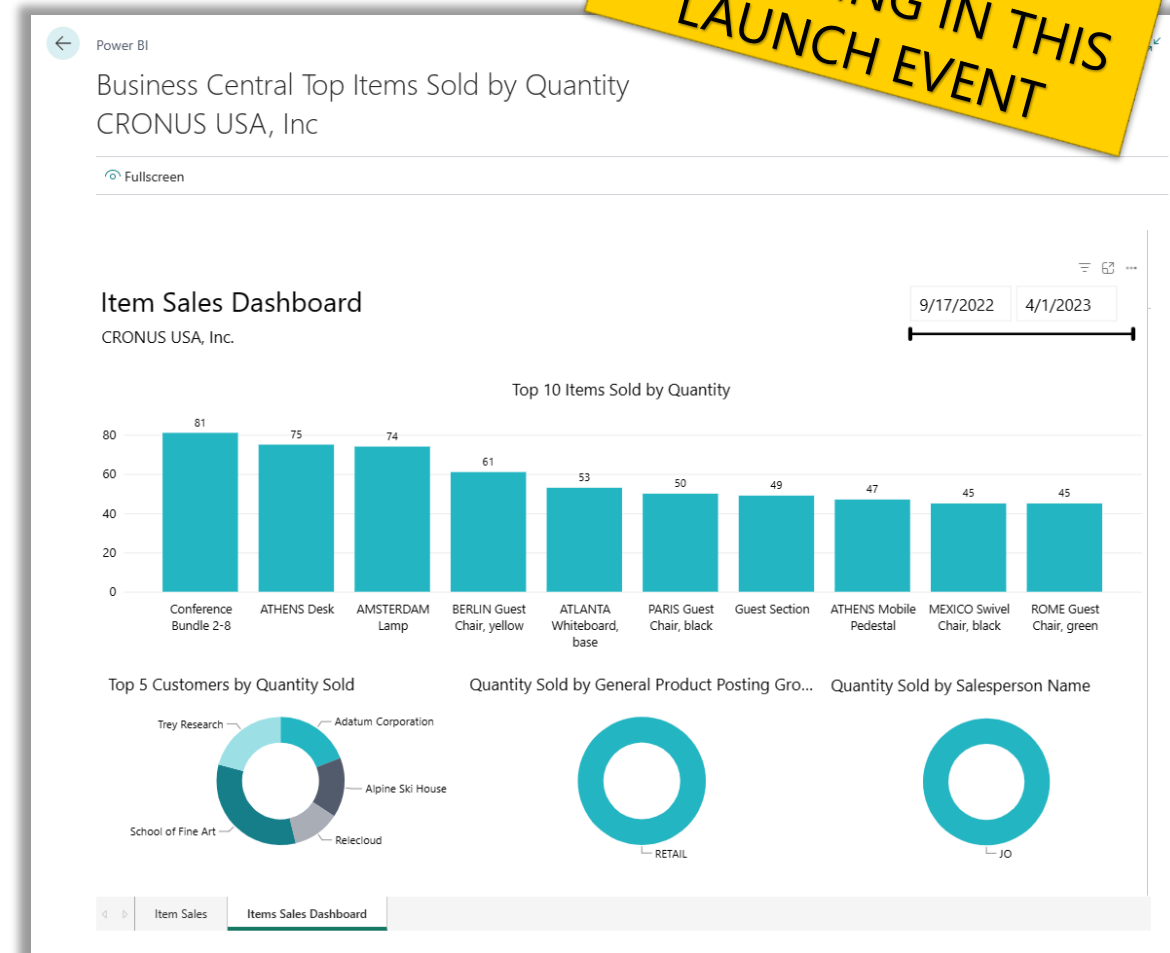
· Feedback – via Yammer
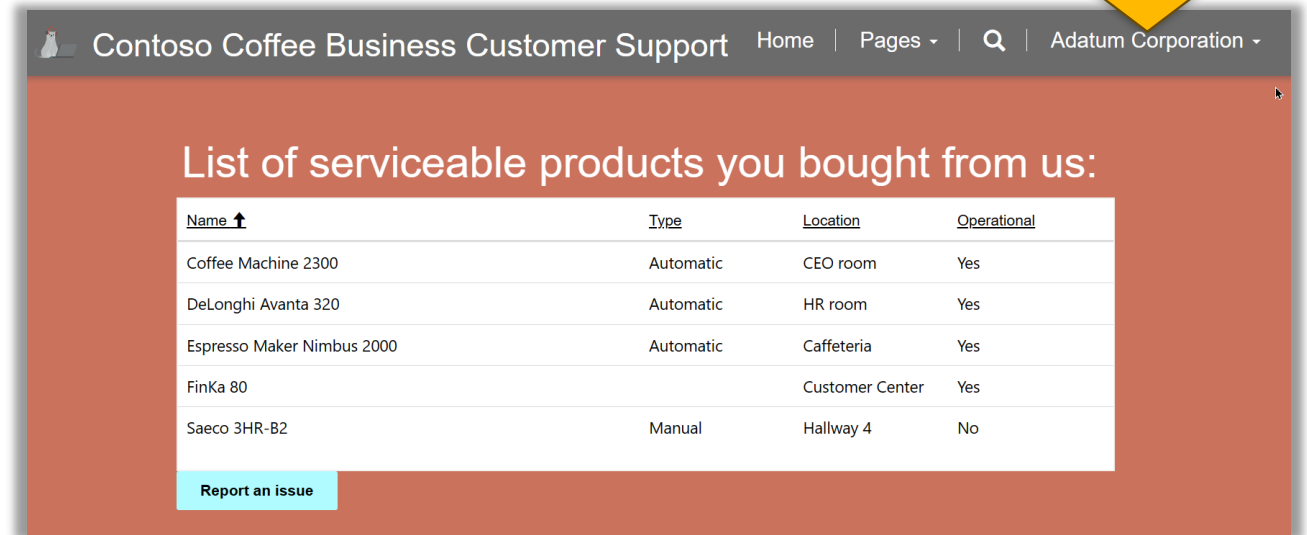
Power BI

Control how to view Power BI embedded content

- Updated Power BI embed viewer
- Control over individual pages in reports (incl. remembering them)
- Stretch the view to full screen
- Control zoom level of reports
- Enable showing the new **Power BI scorecards**

- Enable partners to force a given report and view mode via AL code

Summary

Refresher – Power Platform with Business Central

1 **Power BI**:

Built-in sample reports

Embedded Power BI

Power BI template apps

2 **Core Power Platform**:
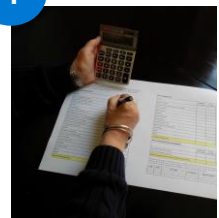
Access all APIs incl. custom APIs

Power Automate: approval flows, trigger-based flows, flow based actions

Mobile Power Apps (canvas)

Power Virtual Agents, Power Pages*
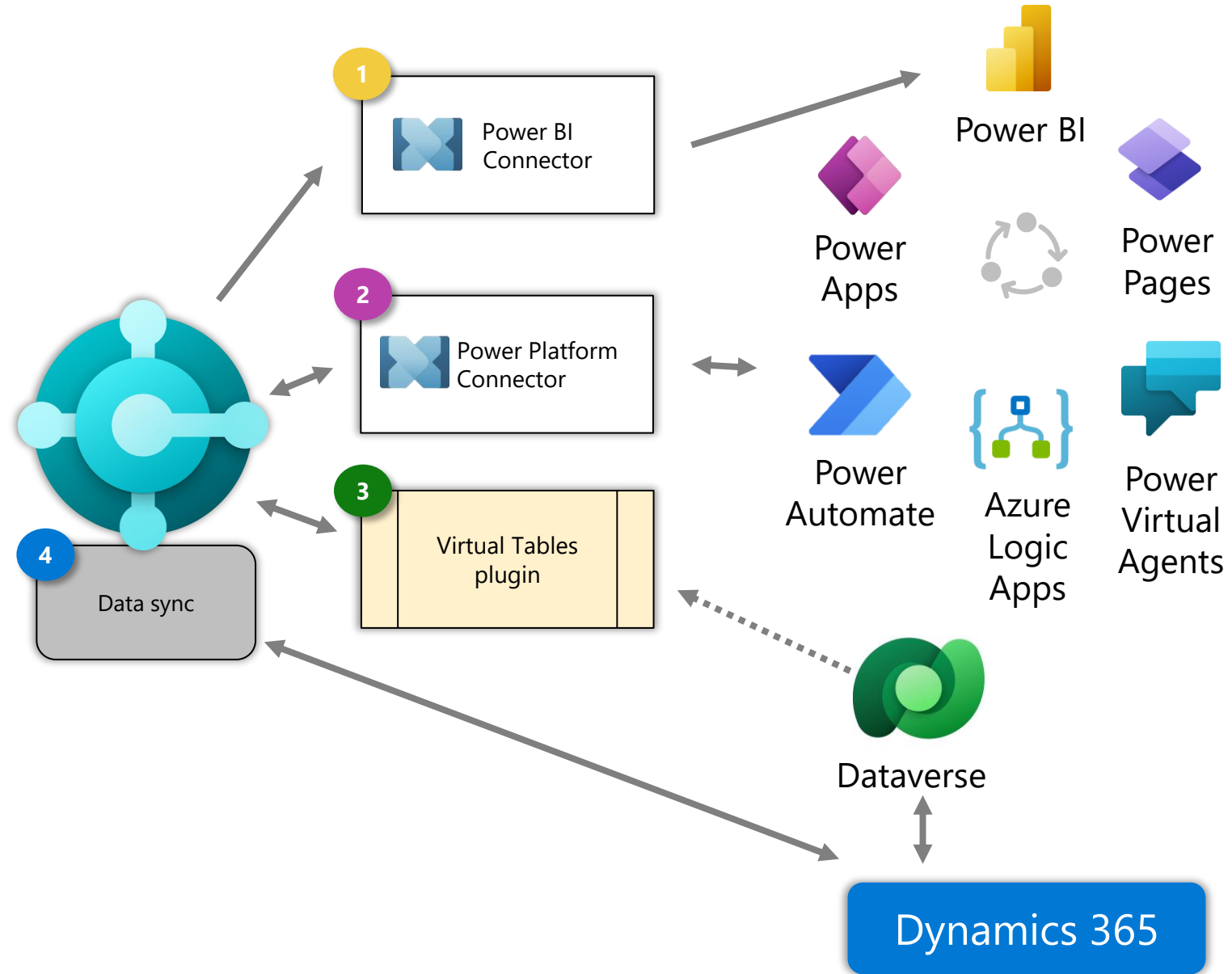
* via Power Automate

3 **Dataverse Virtual Tables**

Our (meta)data in Dataverse

Any Power Apps (model driven)

Power Pages** `PREVIEW`

** direct support coming in preview end of 2023

4 **Data sync for Dataverse**

Classic/native data sync for Dynamics 365 Sales

1 Power BI Connector

2 Power Platform Connector

3 Virtual Tables plugin

4 Data sync

Power BI

Power Apps

Power Pages

Power Automate

Azure Logic Apps

Power Virtual Agents

Dataverse

Dynamics 365

General Business Central resources, learn more!

Join the conversation
twitter.com/
MSDyn365BC

Submit your ideas
aka.ms/BCIdeas

Have a question?
aka.ms/BCYammer

Looking for resources?
aka.ms/BCAll
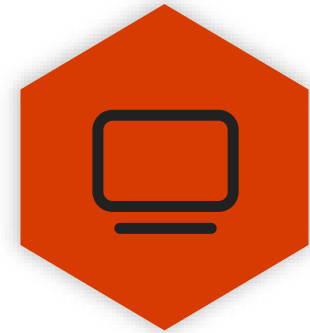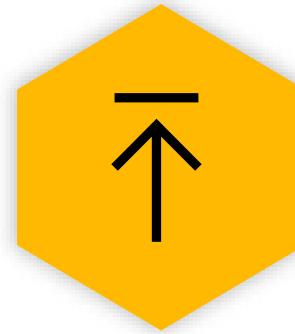
Join the office hours
aka.ms/BCOfficeHours

Thank you !

Microsoft Dynamics 365