

HRP Webinar

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Breaking news...



Dynamics 365 Business Central

Your updated Business Central is ready

Business Central has been successfully updated. Sign into the environment to verify the update and check out the new capabilities.

Your service identifier (Tenant):	fitshu-sandbox
Environment:	Sandbox
Version before update:	17.0
Version after update:	17.1
Completed date:	11/25/2020 12:12:55 PM (UTC)

Find out what's new in the latest minor update [here](#).

Find out what's coming in the next major update [here](#).

CSP EP Offer

- <https://strawpoll.com/gukjs7v5j>

Miről lesz ma szó?

- Common Data Service
 - Mi ez ?
 - Hol érdemes használni?
 - Kapcsolódások a BC-vel
 - Virtual Entities használata – mire jó
- Lokalizáció bővítés kérdése röviden
- MB 800 Vizsga Kérdések és Témák

Kérdőív – Ki használta már?

- <https://strawpoll.com/d29wo8bb6>

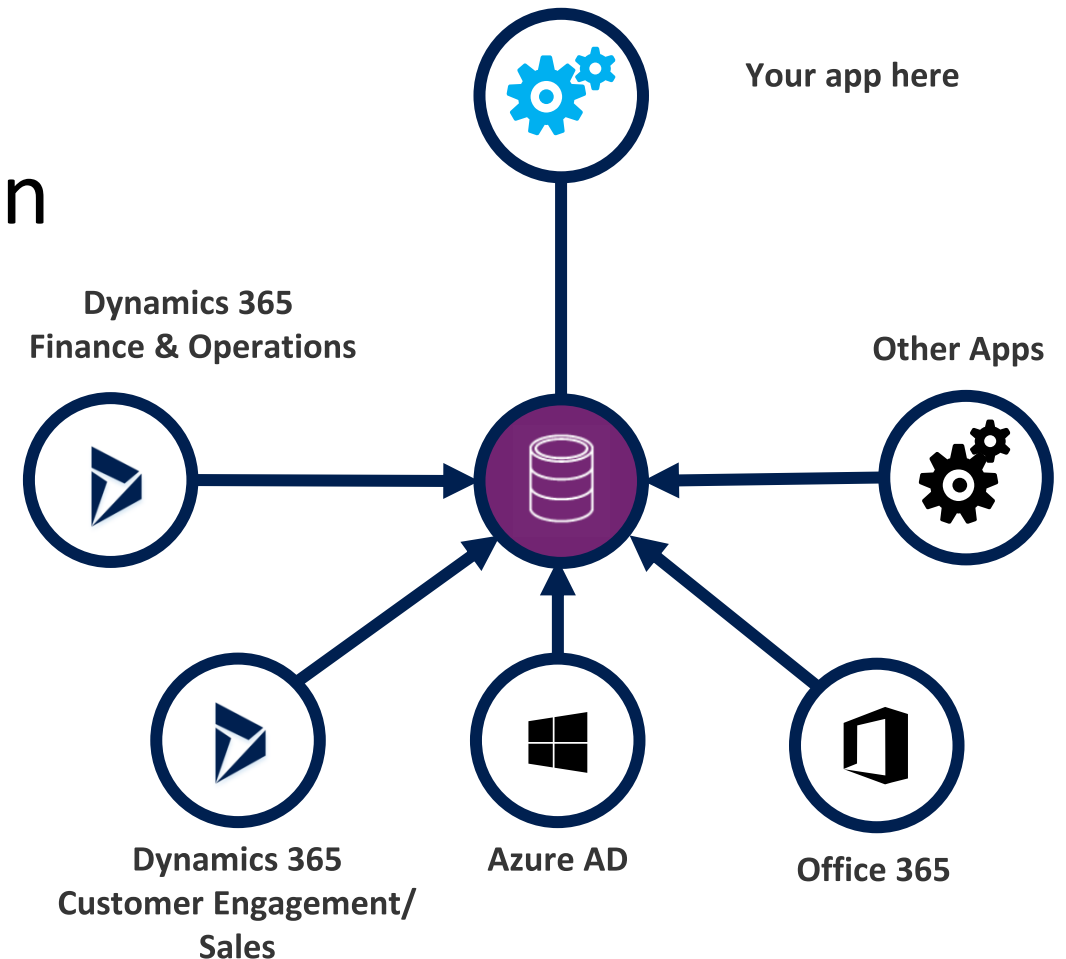
Ki az aki eladott már alkalmazást?

- <https://strawpoll.com/2zw15fge3>

- The CDS is where your Dynamics 365, Office 365, and Azure Active Directory data comes together.

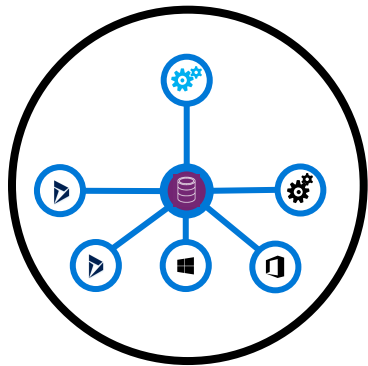
- We do the heavy lifting so you can focus on what matters:

- ✓ discovering insights
- ✓ driving action with apps
- ✓ automating processes



The Common Data Service

The Focal Point
for your data



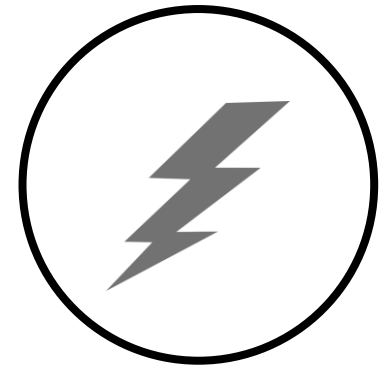
*CDS does the heavy
lifting to bring
together all your data*

A great place
to build and
manage apps



*We have the tools to let all
users build apps and
intelligence on their data*

Just works with the
rest of Microsoft



*Building or integrating
with CDS means your
apps automatically work
with other Microsoft apps
and services*

Build and Manage Apps

It's easy to build apps on data in the CDS.
Manage data security in one, central place.



Build **low-code apps** with PowerApps on CDS

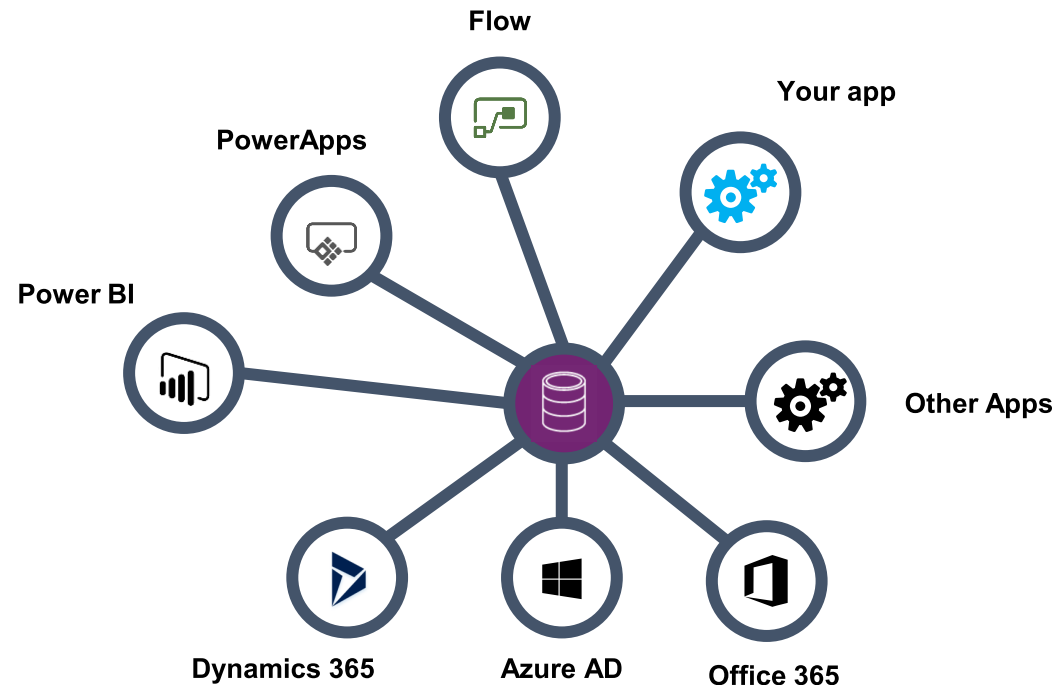


Build **complex/pro-dev apps** on with the CDS SDK



CDS provides a security substrate to manage apps and protect data

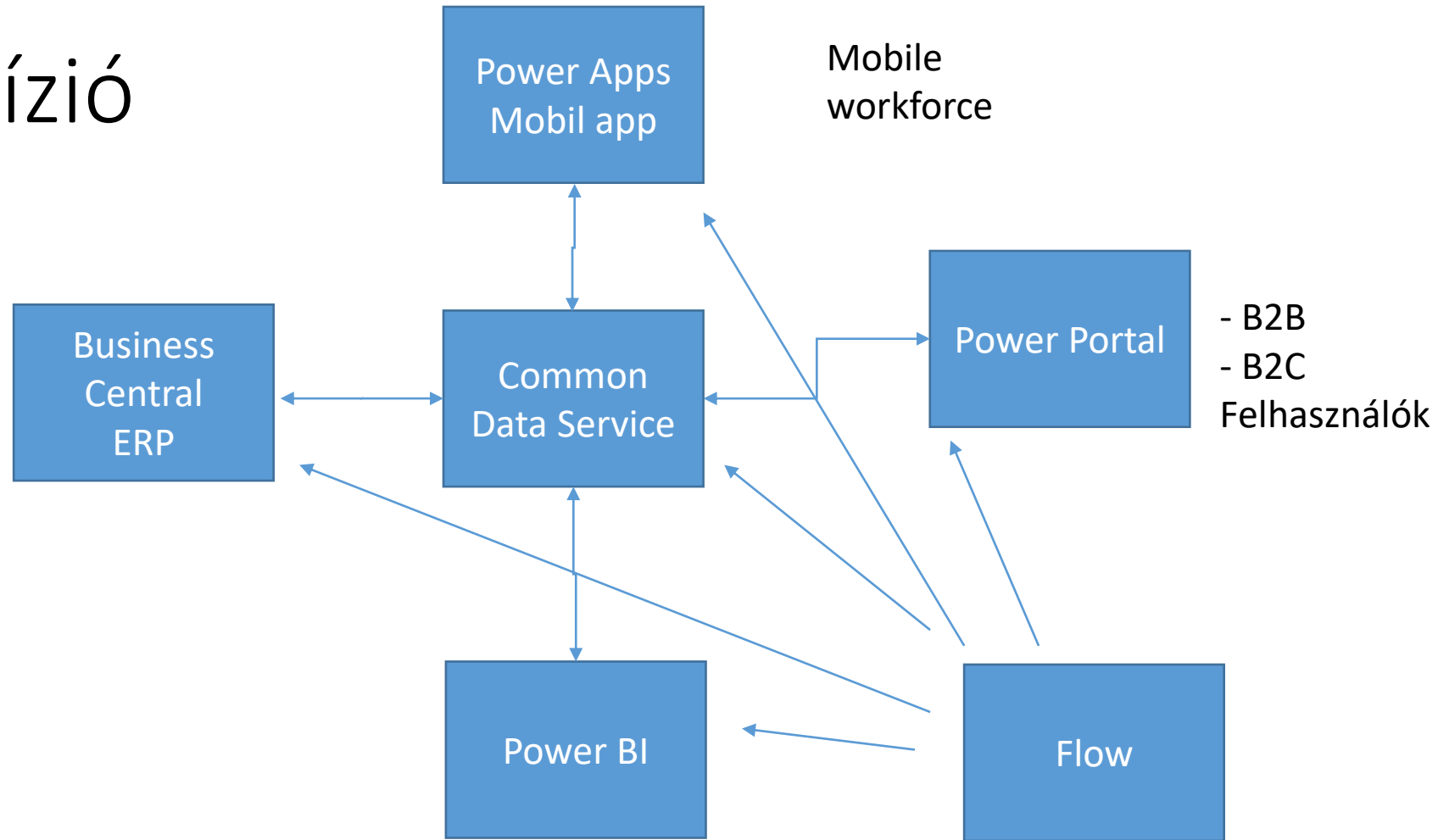
It just works
Power BI and Flow just work with CDS
Outlook and Excel can manage data in CDS



Hogy kapcsolódik a BC-hez?

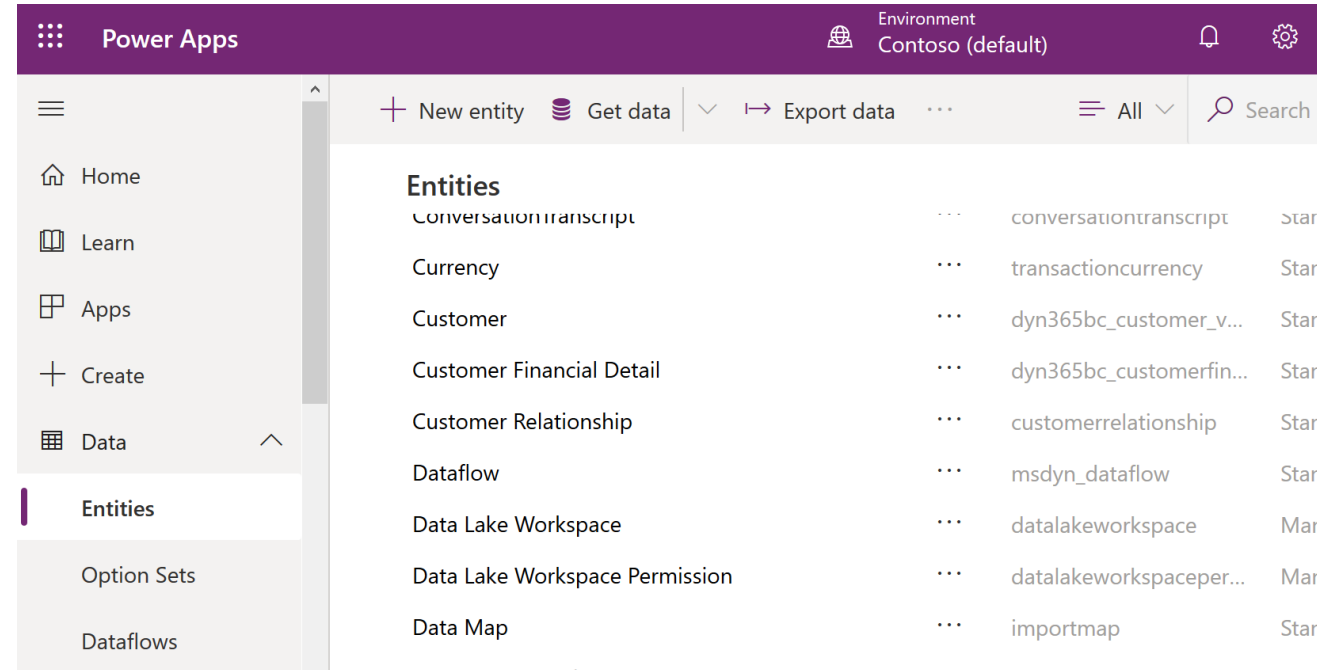
- AL Table Proxy Generator (<https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/developer/devenv-al-table-proxy-generator>)
- Flow
- Virtual Data Entities

Vízió



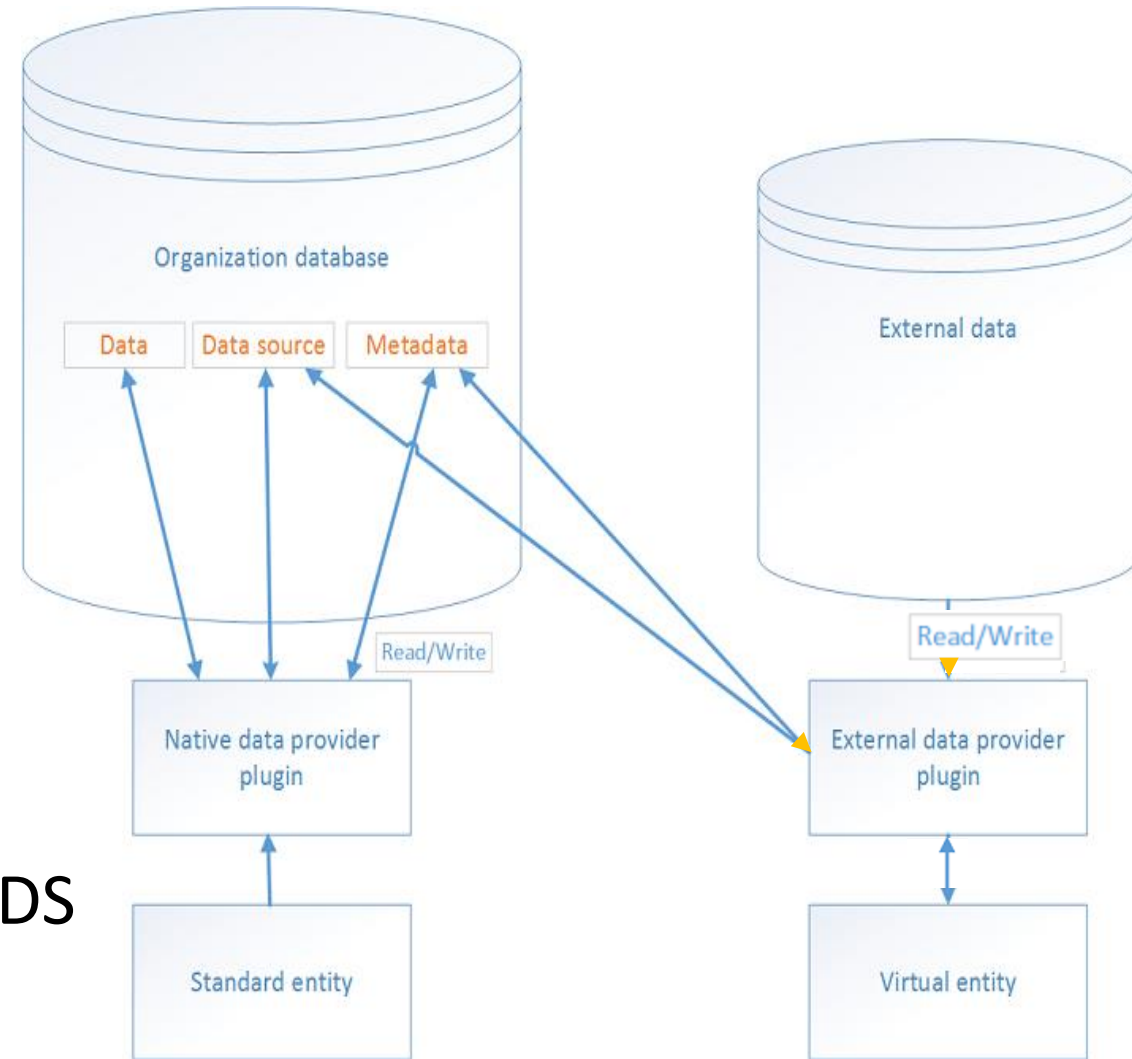
Introduction to Virtual Entities

- Business Central Virtual Entities (VE) is a virtual data provider on Common Data Service (CDS)
- No data will be synchronized to CDS
- Business Central API metadata are used to generate VEs
- Custom APIs can be used for VEs, enabling partners to create specialized virtual entities
- Virtual Entities are generated at runtime

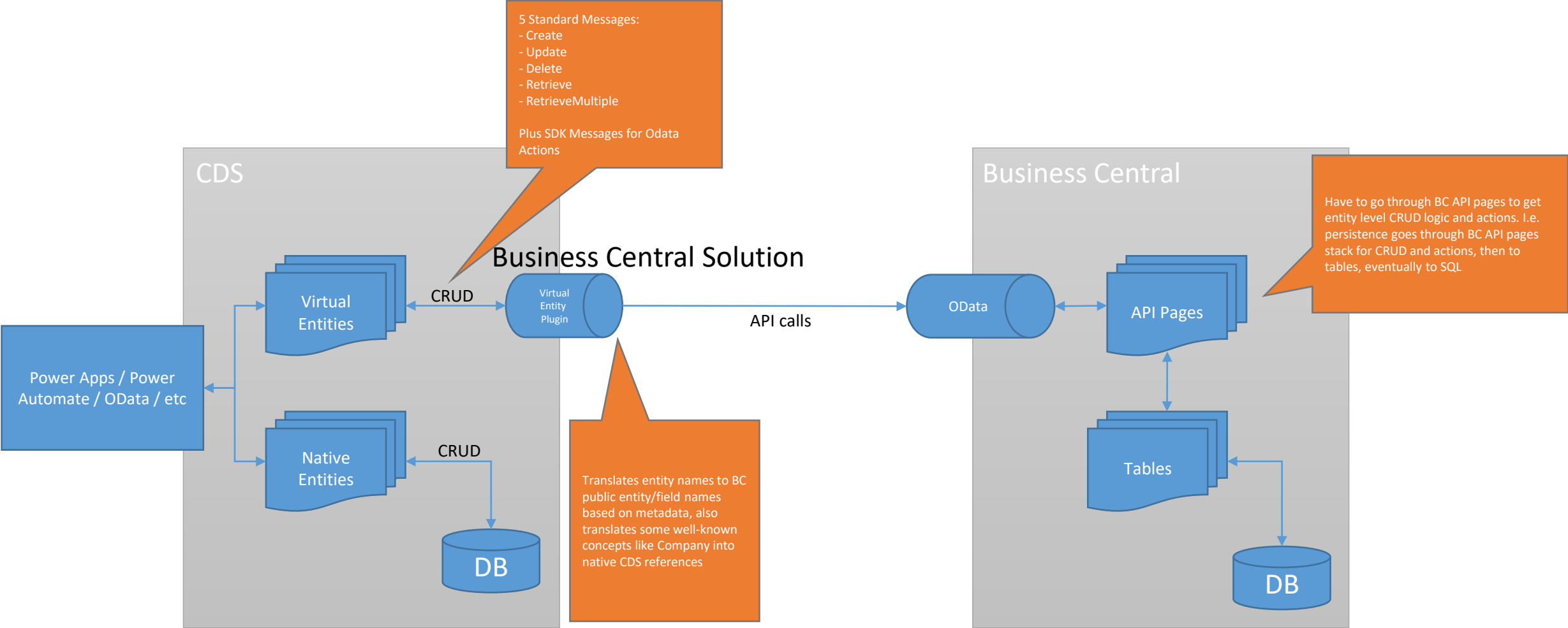


Virtual Entities

- Data for VEs is not stored on CDS
Data remains in Business Central
- Business Central Virtual Entity solution will enable
 - Runtime generation of VEs
 - CRUD operations
- Originally VE were read-only in CDS; CDS solution implements CRUD



Business Central high level design



Business Central solutions deployed

- Dynamics 365 Company – CDM company
- Dynamics Business Central Virtual Entities Support – connection & configuration
- Dynamics Business 365 Business Central ERP Catalog – generation
- Dynamics Business Central Virtual Entities – generated entities

+ New solution ← Import Open AppSource Publish all customizations Switch to classic See history					
Solutions					
Display name		Name	Created ↓	Version	Managed e
Dynamics 365 Business Central ERP Catalog	...	MicrosoftBusinessCe...	9/14/2020	1.0.20255.7	🔒
Dynamics 365 Business Central Virtual Entities	...	MicrosoftBusinessCe...	9/14/2020	1.0.20255.7	🔒
Dynamics 365 Business Central Virtual Entity S...	...	MicrosoftBusinessCe...	9/14/2020	1.0.20255.7	🔒
Dynamics 365 Company	...	Dynamics365Compa...	9/14/2020	2.0.777.412	🔒

Setting up connection to Business Central

- Allow access for CDS to connect to Business Central on “AAD Applications” page
- Setup connection in CDS on either
 - “Business Central Virtual Data Source Configuration” entity
 - “Virtual Entity Data Sources” settings
- A CDS environment can talk to only one Business Central environment

←

...Application Card | Work Date: 4/6/2020

✓ Saved

Dynamics 365 Business Central for Virtual Entities

Grant Consent

General

Client Id {af30e371-ad4a-4097-88c1-5555e}

Extension

Description Dynamics 365 Business Central for

App ID {00000000-0000-0000-0000-0000-0000-0000-0000-0000}

State

Contact Information

Business Central Virtual Data Source X

← → ↺ 🏠 🔒 https://orgcb52bef8.crm.dynamics 110% ⋮ 🛡️ ☆ 📖 🌐

💾 Save 📁 Save & Close ➕ New ↺ Refresh Companies 🗑 Delete ⋮

Business Central

Business Central Virtual Data Source Configuration

General

Related

Name	Business Central
Target Host	* https://api.businesscentral.dynamics.com/ 🌐
Environment Name	* production
Default Company	CRONUS USA, Inc.

Setting up connection

Company defaulting

- Business Central OData calls requires company information
- Company can be specified
 - On environment in configuration page
 - On user level on user entity

Business Central

Business Central Virtual Data Source Configuration

General Related

Name	Business Central
Target Host	* https://login.windows.net/
Environment Name	* Production
Default Company	---



First name Last name

User · User ▾

Summary Details Administration Related

Site	---
Manager	---
Position	---
Company to default on Forms	---

Company defaulting

- A relation to cdm_company is added for every VE
- Cross company queries are not supported – a user is interacting with one company

<

Generating Virtual Entities

- Virtual Entity generation happens through “Available Business Central Entity” entity

The screenshot displays the Power Apps interface for configuring a virtual entity. The left sidebar shows the navigation menu with options: Home, Learn, Apps, Create, Data, Entities, and Option Sets. The main area is titled 'Entities > Available Business Central Entity' and includes tabs for Fields, Relationships, and Business rules. A list of entities is shown, with 'account' selected and marked with a checkmark. Other entities listed are 'agedAccountsPayable', 'agedAccountsReceivable', and 'attachment'. The right pane shows the configuration for the 'account' entity, with tabs for General and Related. The General tab is active, displaying fields: Name (account), Display Name (Account), API Route (v2.0), Visible (checkbox), and Refresh (---). The top of the interface features a purple header with the 'Power Apps' logo and a toolbar with icons for Save, Save & Close, New, Delete, Refresh, and View.

Power Apps

Save Save & Close New Delete Refresh View

account
Available Business Central Entity

General Related

Entities > Available Business Central Entity

Fields Relationships Business rules

Name

- ✓ account
- agedAccountsPayable
- agedAccountsReceivable
- attachment

Name * account

Display Name Account

API Route + v2.0

Visible ☐

Refresh ---

Generating Virtual Entities

- Once generated VEs can be customized from any solution, adding views and forms.
 - Adding Fields and Relations not supported
- VE generation provides only basic forms/views

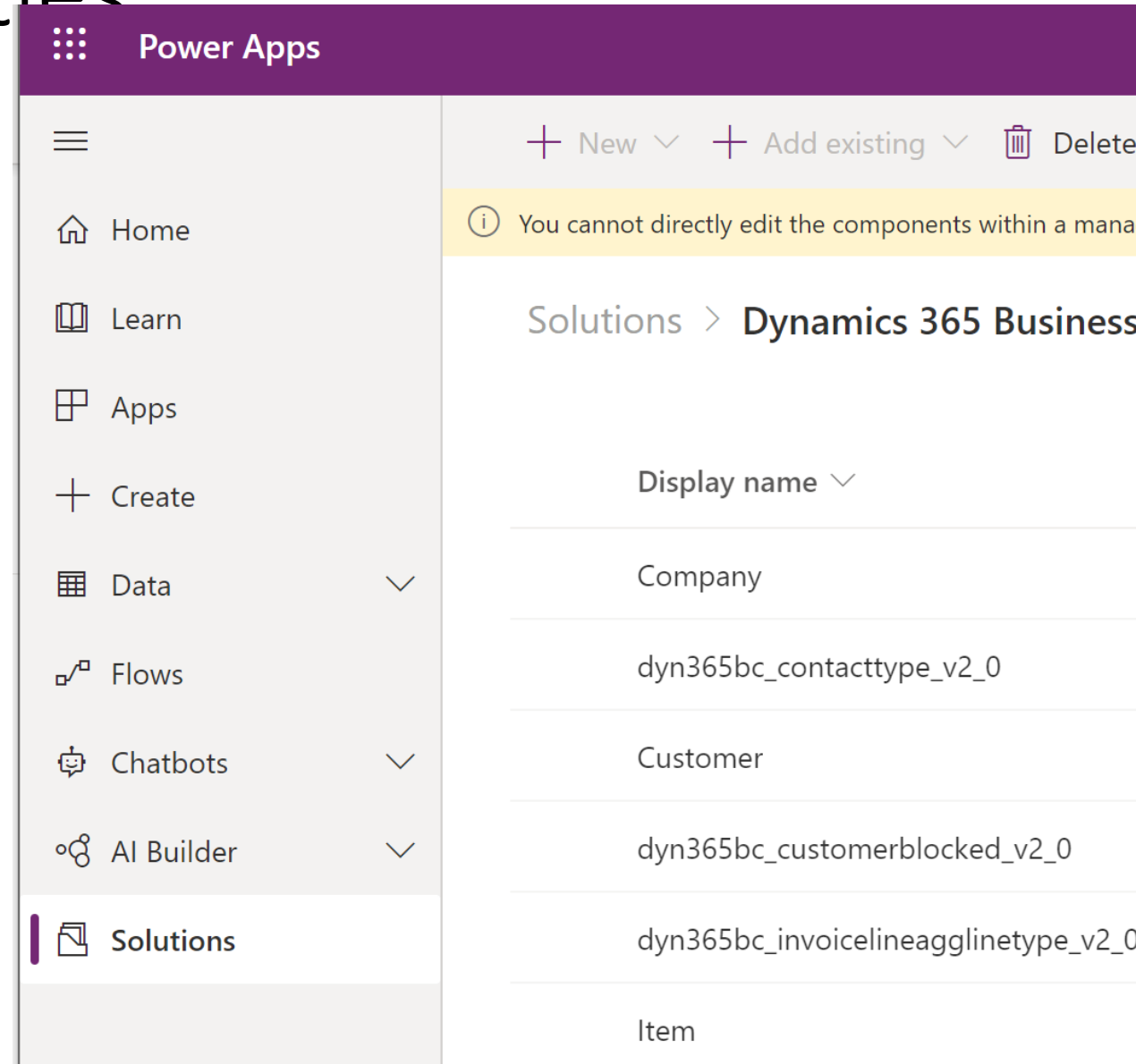
Solutions > Dynamics 365 Business Central Virtual Entities

Display name ▾		Name	Type ▾	Managed...
Company	⋮	cdm_company	Entity	🔒
✓ Account	⋮	dyn365bc_account_v	Entity	🔒
dyn365bc_contacttype_v2_0	⋮	dyn365bc_contacttyp	Option set	🔒
Customer	⋮	dyn365bc_customer_v	Entity	🔒
dyn365bc_customerblock	⋮	dyn365bc_customerb	Option set	🔒

Generating Virtual Entities

Generating Virtual Entities

- Entities are dynamically generated
- Stored in “Dynamics 365 Business Central Virtual Entities” solution
- Dependencies can be taken on entities and used in solutions



Demo

Lokalizációs javítások

- Lehet módosítani / javítani a lokalizáción
- Minden partner látja a forráskódot
- A Módosítások ún. Pull Requestek formájában érkezzenek be
- Cosmo/HRP mergeli
 - Ezután a Branch és a PR is eltűnik (technikai okok miatt)

Kérdőív

- <https://strawpoll.com/vdx6r2v5x>

Kérdőív

- <https://strawpoll.com/97wgh9k7o>

MB800 Vizsga

- Elvárás lesz a partnereknek
- Lehet már vizsgázni !
- Remélhetőleg lesz felkészítő is – ezen dolgozik a Microsoft

Kérdőív

- <https://strawpoll.com/612jak8ou>

Mire kell készülni

- Angolul , otthonról (vagy?)
- Bonyolult esszé kérdések
- ~50 kérdés
- Új feature-rel kapcsolatos kérdések várhatóak
 - Pl árazás , ismétlődő számlák, costing , discounts items
 - Over receipt codes , inventory , non inventory items
- 2 óra van rá

Kérdőív

- <https://strawpoll.com/wo6k94oak>



**Köszönöm a
figyelmet**