

What's new in Dataverse & Dynamics 365 app integration - Part 2



Agenda

- Missions
- Complementary App Interactions
- Key Improvements
- Power Pages Support via Virtual Tables
- Demos

Missions

Dataverse Integration – Mission

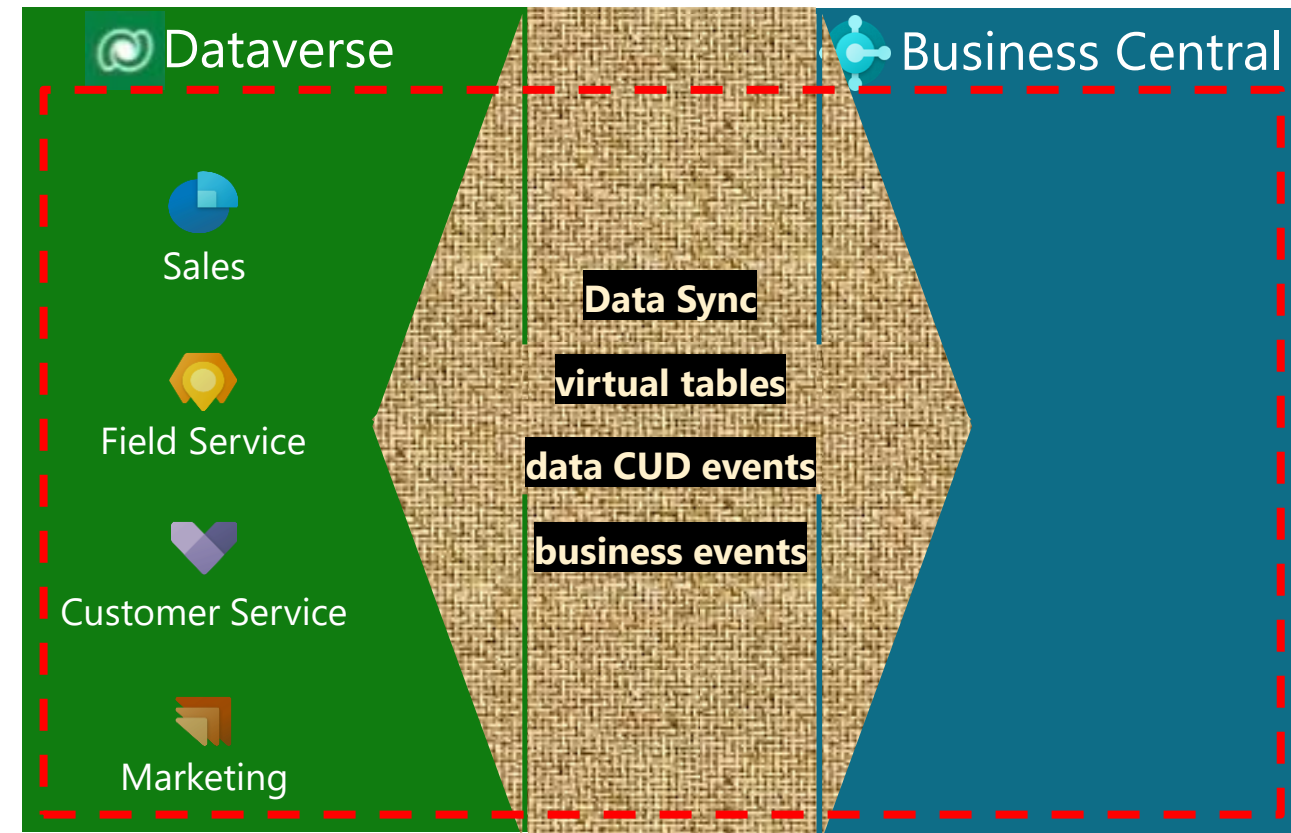
To offer **extensive** fabric/tools to integrate Dynamics 365 Business Central online w/ other 1st & 3rd party business apps running on Dataverse, promoting **better together** scenarios through **wider & deeper** interactions between Business Central and those apps

- **Extensive** means we cover all types of app/system interactions, such as

- Replication (Data Sync)
- Virtualization (virtual tables)
- Change notification (data CUD events)
- Action notification (business events)

- **Better together** means Business Central and those apps should be integrated in such a way that they enhance each other ("1 + 1 = 3") when used together in complex business processes, such as Lead/Opportunity/Quote/Order-to-Cash

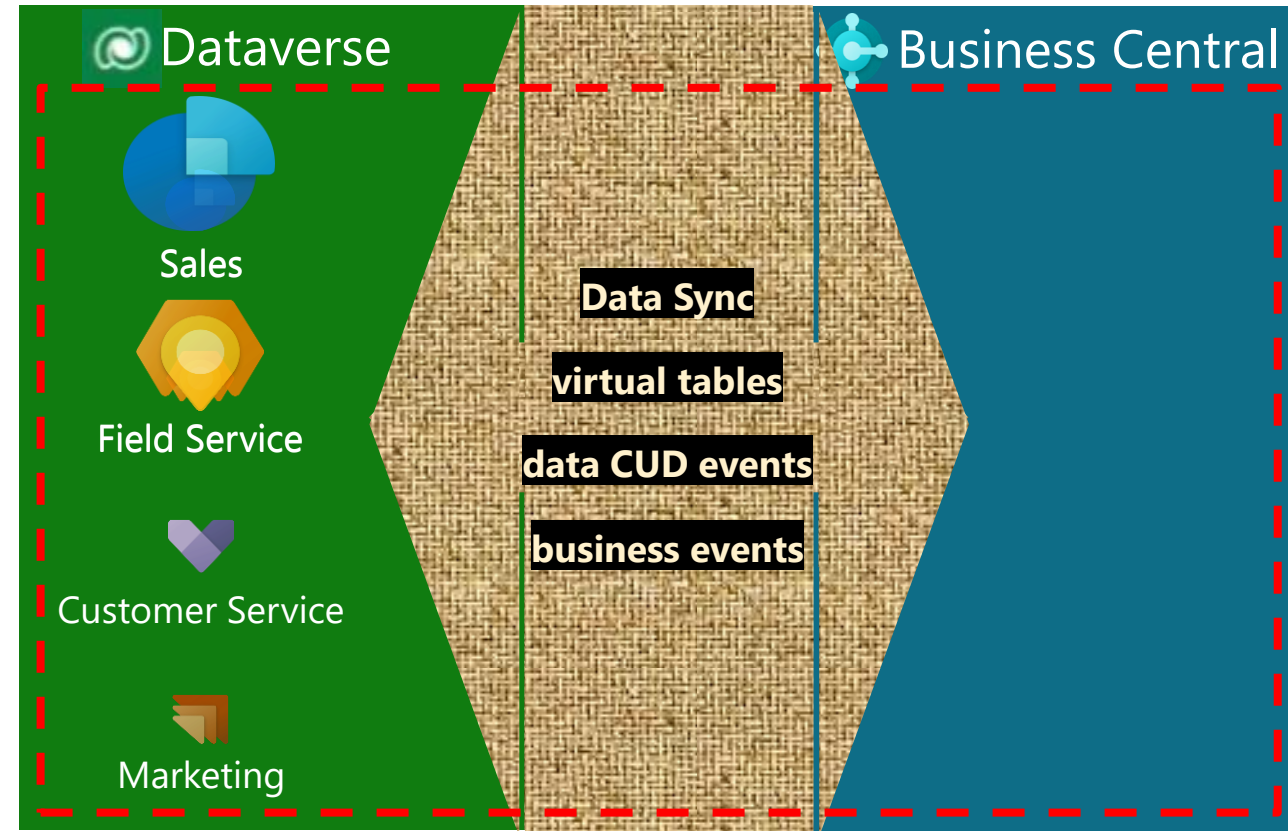
- **Wider & deeper** means the integration should increase the breadth & depth, respectively leveraging more types & degrees, of interactions between Business Central and those apps, which in turn will increase their stickiness



Dynamics 365 App Integration – Mission

To implement the **optimal** approach to integrate Business Central online w/ other Dynamics 365 apps using the fabric/tools of Dataverse integration

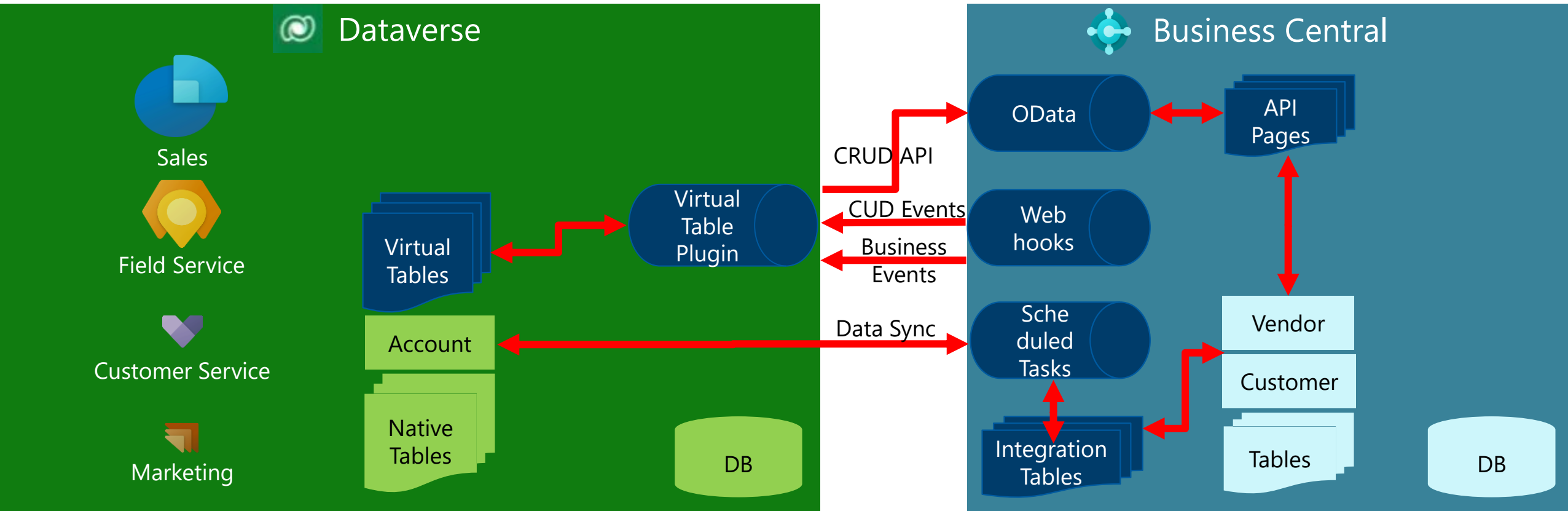
- **Optimal** means we aim for maximum business impact w/ minimal integration efforts, prioritizing in-demand apps complementary to Business Central, such as Dynamics 365 Sales and Field Service, and enabling natural business process handovers between Business Central and those apps that avoid functionality overlaps whenever possible



Complementary Interactions

Dataverse Integration – Complementary App Interactions

1. **Data Sync** that **replicates data changes (CUD)** between **overlapping tables** in Business Central and Dataverse
2. **Virtual Tables** that enable **inbound interactions** from Dataverse into Business Central via CRUD API **w/o duplicating data**
3. **Data (CUD) Events** that enable **outbound interactions** from Business Central into Dataverse, where they can start **Power Automate flows** using the **"When a row is added, modified, or deleted"** trigger
4. **Business Events** that enable **outbound interactions** from Business Central into Dataverse, where they can start **Power Automate flows** using the **"When an action is performed"** trigger



Key Improvements

Dataverse Integration – Key Improvements

1. Data Sync

- See “*What's new in Dataverse & Dynamics 365 app integration - Part 1*” session

2. Virtual Tables

- General Availability (GA) (ETA: **Nov’23**)
- Preview of **Power Pages** support (ETA: **Nov’23**)

3. Data CUD Events

- Up to **1000** (was 100) data changes can now be made within 30 secs delay time and sent as separate notifications
- These are default configurations on *ApiSubscriptionMaxNumberOfNotifications* & *ApiSubscriptionDelayTime* server settings
- These settings can be modified in Business Central online using an extension that subscribes to *OnGetMaxNumberOfNotifications* & *OnGetDelayTime* integration events

2. Business Events

- Versioning support w/ v1.0 release
- Troubleshooting support w/ *External Event Subscription* & *External Event Activity Log* system tables, as well as UI page (ETA: **Nov’23**)
- Partner telemetry support w/ *Application Insights* (ETA: **Nov’23**)

Power Pages Support via Virtual Tables

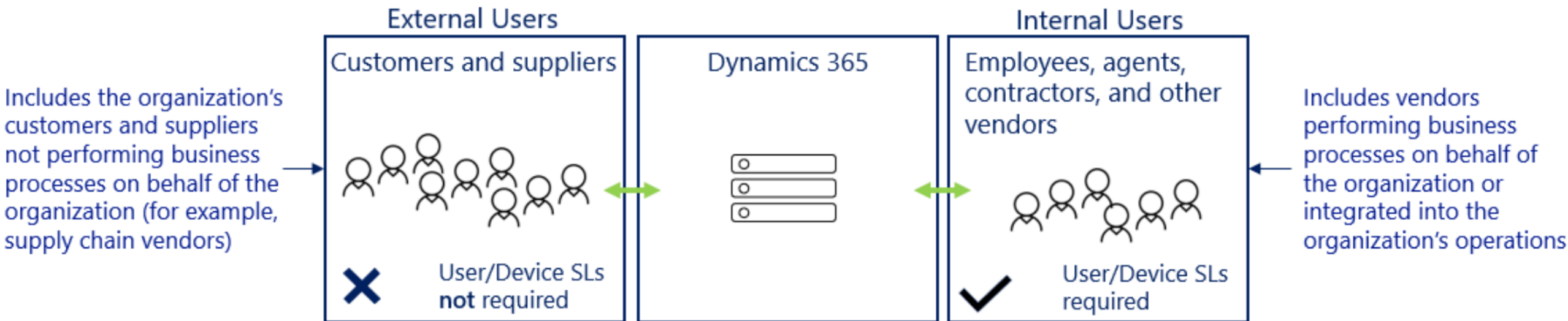
Power Pages Support via Virtual Tables

Power Pages support via virtual tables enables access to Business Central data in these scenarios:

1. **Anonymous** access for **external**/unlicensed users w/o signing in
2. **Authenticated** access for **external**/unlicensed users after registration & signing in
3. **Authenticated** access for **internal**/licensed users after signing in

External vs. internal users, from Dynamics 365 Licensing Guide:

*External user access is available in limited situations to customers and third parties who interact with your organization or its affiliates (that is, separate companies or contractors). Off-site vendors who are **not in employee-like relationships** (such as IT help desk vendors who serve multiple organizations) also qualify as **external users**. These external users **do not require user licenses** to access Dynamics 365. Limited external user access is included with your internal user licenses. However, the graphical interfaces for Business Central, Sales, Customer Service, and Field Service may not be accessed by external users. You also have the option to license **Power Pages** to provide external access to your business processes or data. External user access does not extend to your employees, onsite or independent contractors, vendors, agents, or those of your affiliates who are **providing business processes on behalf of you or your affiliate**. Those users are considered **internal users**.*



Demos

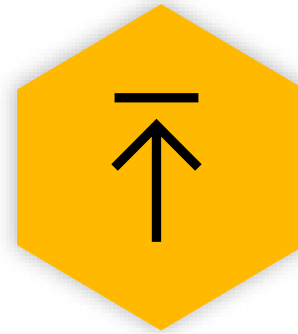
Resources

General Business Central resources, **learn more!**

**Join the
conversation**
[twitter.com/
MSDyn365BC](https://twitter.com/MSDyn365BC)



**Submit
your ideas**
aka.ms/BCIdeas



**Looking for
resources?**
aka.ms/BCAll



**Join the office
hours**
aka.ms/BCOfficeHours



**Have a
question?**
aka.ms/BCYammer

Thank you