

Business Central & CRM - your options for making the Dynamics 365 integration seamless

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What we'll cover

1 What, Where, When & Why?

2 How?

3 Standard Microsoft Integration

4 Power Automate

4 Virtual Tables

5 3rd Party 'Middle Ware'

6 Q&A

Hands up, who is using BC<>CRM Integration?



Methods of BC<>CRM Integration

- Standard
- Power Automate
- Virtual Tables
- Third-Party

Definition of Data Integration

'Data integration refers to the process of bringing together data from multiple sources across an organization to provide a complete, accurate, and up-to-date dataset for BI, data analysis and other applications and business processes. It includes data replication, ingestion and transformation to combine different types of data into standardized formats to be stored in a target repository such as a data warehouse, data lake or data lakehouse.'



Considerations of Integration

What?

- What data do you need to integrate?
 - Which tables do you need?
 - Which fields do you need?
 - It doesn't have to be all or nothing can you filter it down?

Where?

- Where does the data live?
 - Is there a master data source?
 - Where are you moving data to?
 - Relational data structures are designed to be presented as cohesive, but that doesn't mean they are





Considerations of Integration

When?

- When do you need data to transfer?
 - Event based?
 - Scheduled?
 - Sensible timeframes

Why?

- Why do you need this data?
 - Reporting?
 - Informational?
 - Triggering further Business Processes





Choosing the Right Tool – Can I have multiple?

Driven by what needs to be integrated.

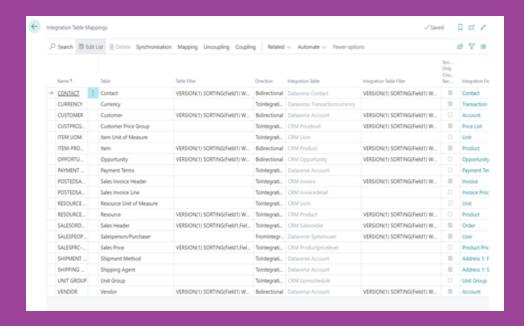
- Standard Microsoft Integration
 - Power Automate (SaaS & PaaS Custom Connector)
 - Virtual Tables
 - 3rd Party Middle Ware (E One Solutions, Kingswaysoft)
 - Power BI (Collaborate data between CRM & Business Central)
- Tailoring / Extending these for specific Business
 Needs
 - Tecman Integration Framework tools
 - Custom APIs





Standard Microsoft Integration

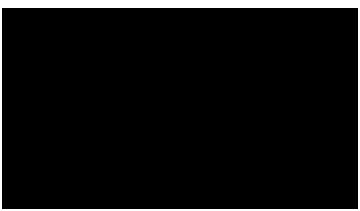
- Preferred Use Case
 - Master Data on a Schedule
 - Pros
 - Easy Set Up OOTB (SaaS to SaaS)
 - Updated every 6 months
 - Responsive to Business Events
 - No additional licencing
 - Can be used with either system as the source (Uni/Bi-directional sync)
 - Simplified navigation between BC and CRM
 - Runs on customisable job schedule (job queues)
 - Cons
 - Extending the standard integration can be cumbersome, but the Tecman framework makes this easier
 - Data exists in both systems, taking up storage space
 - Error handling interface can be daunting
 - Customer expected to take a level of ownership of integration.



Standard Integration DEMO

- Sending sales orders from CRM to BC
- Navigating between CRM & BC using the magic button -
- Account: Account Management Form: * Adatum Corporations -Dynamics 365

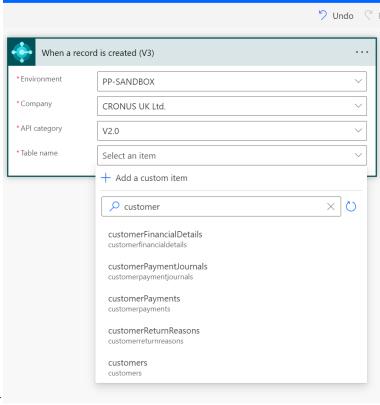






Power Automate

- Preferred Use Case:
 - Triggerable Events (from BC or CRM)
- Pros
 - Easier to define 'When'
 - Works using standard or customised API's so it easier to extend.
 - Doesn't consume [much] 'resource' from either platform
 - No additional third-party licence
 - Can be used with either system as the source
- Cons
 - Nothing templated as Standard, so longer set up time
 - Data exists in both systems, taking up storage space
 - Error handling is a Super User/System Admin task
 - Can be slower than the Standard Integration (Depending on the complexity of the flow)



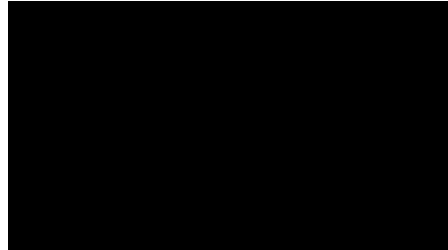




Power Automate Integration DEMO

 Business Events triggers – syncing credit on hold / blocked customers and JavaScript warning

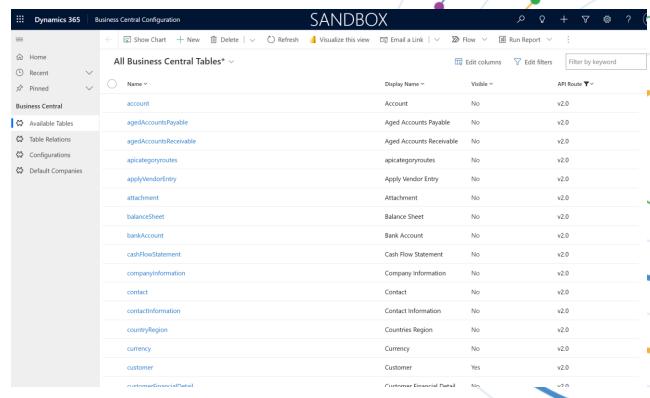






Virtual Tables

- Preferred Use Case:
 - Informational Data & Large Tables
- Pros
 - Data is Live
 - Doesn't require additional storage in target system
 - Can be used to perform advanced actions by combining with Power Automate
 - No data transfer, therefore, no error handling
- Cons
 - Can only be used from BC to Dataverse (CRM)
 - Additional setup required to take advantage of the data (needs exposing within CRM)
 - Requires both a Dataverse and BC Licence





Virtual Tables DEMO

- Lookup to warranties (service items) on a case.
- Add service items to sitemap.



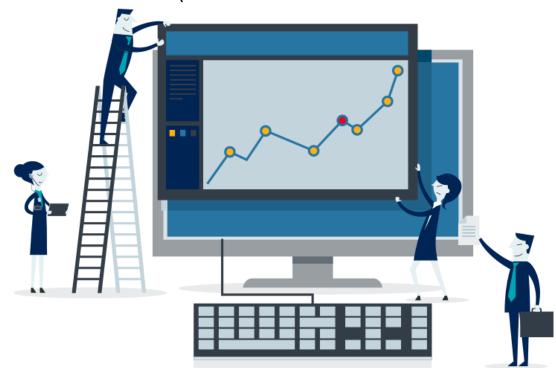




3rd Party Middle Ware

Preferred Use Case:

- Legacy / PaaS / on-premise platforms
 - When Standard Integration, Power Automate or Virtual Entities are not viable (
- Pros
 - Uses a similar set up to standard integration with defined table mappings
 - Works using Published API's
 - Doesn't consume [much] 'resource' from either platform
 - Can be used with either system as the source
- Cons
 - Depending on the platform, templates can be limited, so set up can be complex and time consuming
 - Requires additional software licencing
 - Data is duplicated across platforms taking up storage space
 - Error handling is a Super User/System Admin task





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QUESTIONS ?





THANK YOU



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