

## XrmToolBox







- Who are we?
- What is XTB?
- When and Why should you use XTB?
- Top 10 tools and when to use them
- Honorable mentions
- Summary & Questions



#### Who are we?





**Brian Stokes Senior developer & Solution architect** @SopraSteria



Verksamhet och Applikationsarkitekt @CRMK



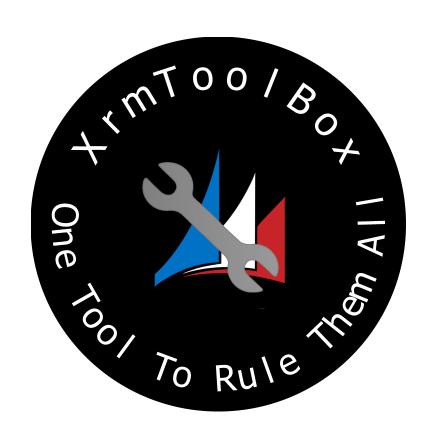
🏏 @lagerquistsara



https://saralagerquist.com









**Tanguy TOUZARD** 

#### What is XTB?

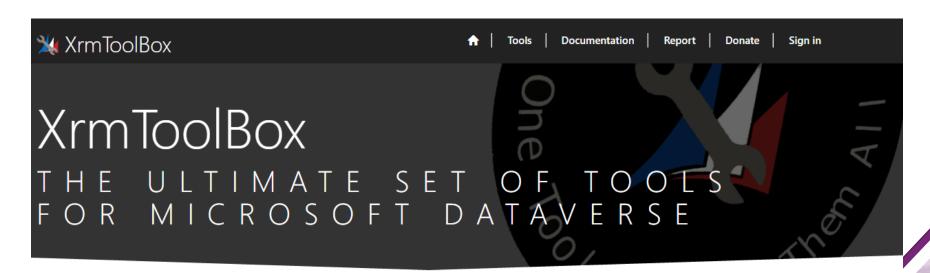


- Created in 2012
- -+670 000 downloads
- Free to use!
- Open source
  - Quality may vary
  - When you don't pay for it, you can't expect support
- For Dataverse "only"
- 300+ tools (and counting!)





- How to download
- How to connect to an environment
- How to manage connections
- Settings
- Donations







#### Community tools for Microsoft Dataverse (Dataverse) - Power Apps | MicrosoftLearn

#### **XrmToolBox**

Many of the most popular ones are distributed in the XrmToolBox & . XrmToolBox is a Windows application that connects to Dataverse, providing tools to ease customization, configuration and operation tasks. It is shipped with more than 30 phagins to make administration, customization or configuration tasks easier and less time consuming.

The following is a selected list of community tools distributed via the XrmToolBox that you can use with Dataverse.

Tool	Description
Attribute Manager ☑	Used to rename/delete/or change the type of the column.
Early Bound Generator ☑	Generates Early Bound Tables/Choices/Actions. Uses CrmSvcUtil from the SDK, and shows command line used to create the classes.
Export to Excel ☑	Easily export records from the selected view/fetchxml to Excel.
FetchXML Builder ☑	Create and test FetchXml Queries
Metadata Browser ☑	Browse metadata from your Dataverse environment
Plugin Trace Viewer ☑	Investigate the Plug-in Trace Log with easy filtering and display possibilities
User Settings Utility ☑	Manage users personal settings in bulk
PCF Builder ☑	Easily create, build and test your custom control using Power Apps Component Framework
SQL 4 CDS ௴	SQL 4 CDS allows you to use standard SQL syntax to query and manipulate your data and metadata in Dataverse
Dataverse Custom API Manager ☑	Create, update and get 360° View of Dataverse Custom APIs





### Why and When?

If you are not working with XrmToolBox...

...you are just working too hard.

- Jonas Rapp, MVP





- To make repetitive tasks easier and less time consuming
- Allow to perform actions not available in the UI
- Providing tools that Microsoft do not
- Can't be used with Dataverse4Teams



OBS: Use at your own risk



## THE LIST





### 5 – View Layout Replicator







### Name, Created On

 Inactive Events ∨
 Tedit columns
 Tedit filters
 Filter by keyword

 Name ↑ ∨
 Created On ∨



#### 5 – Bulk Data Updater

Author: Jonas Rapp

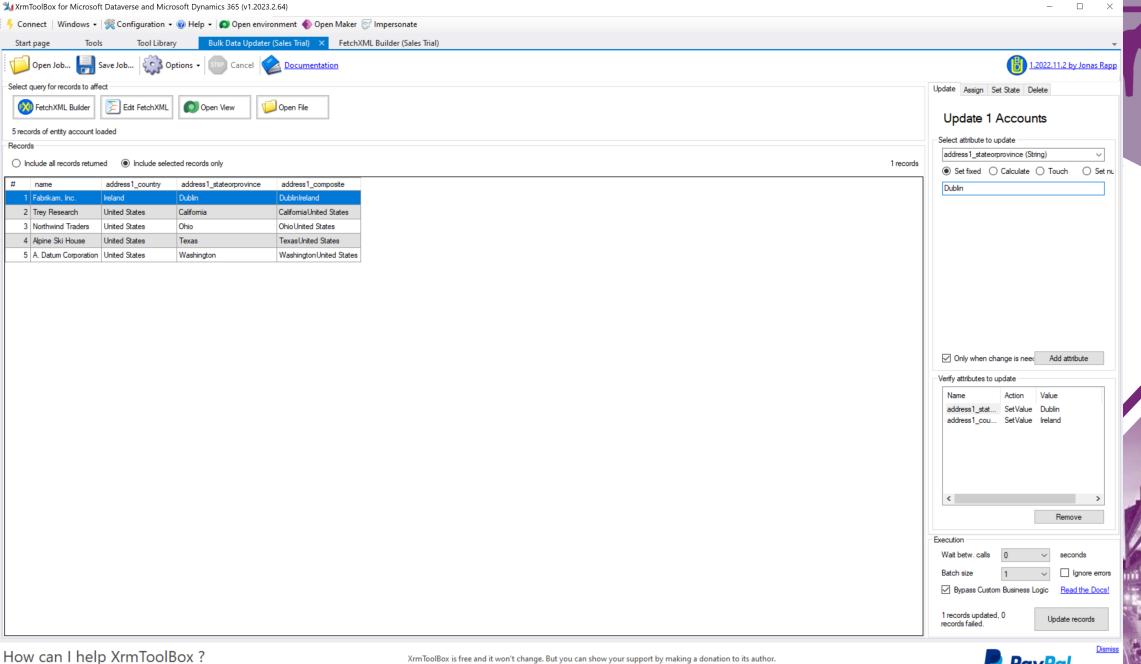








- Easy way Bulk-edit data
- Get your data and;
  - Update (Set fixed, Calculate, Touch, Set null)
  - Assign
  - Set State
  - Delete
  - Trigger Workflow/Plugin
  - Bypass custom business logic
- Integrated with FetchXml Builder
- Without XTB: PowerPlatform Export/Change/Import data



PayPal

### 4 – Solution Layer Explorer





#### 4 – Shuffle

Author: Jonas Rapp, Imran Akram & Community





#### 4 – Shuffle



- 3 tools Builder & Runner / Deployer
- Easy way to move reference/config data between environments
  - Example: Subjects, Categories, Sub-categories, Configuration
- A Package Deployer to make deployments easier
- CI DevOps Pipeline Extension
- Integration with FetchXml Builder
- Handles Many-to-Many relationships
- Without XTB: Dynamics "Configuration Migration Tool"

#### 4 – Shuffle



- GitHub project
- Now officially a Tool in XTB
- Docs: <a href="https://jonasr.app/shuffle">https://jonasr.app/shuffle</a>
- Blog: <a href="https://saralagerquist.com/">https://saralagerquist.com/</a>







Shuffle Builder

Shuffle Runner

Shuffle Deployer

#### Shuffle Builder, Shuffle Runner, and Shuffle Deployer

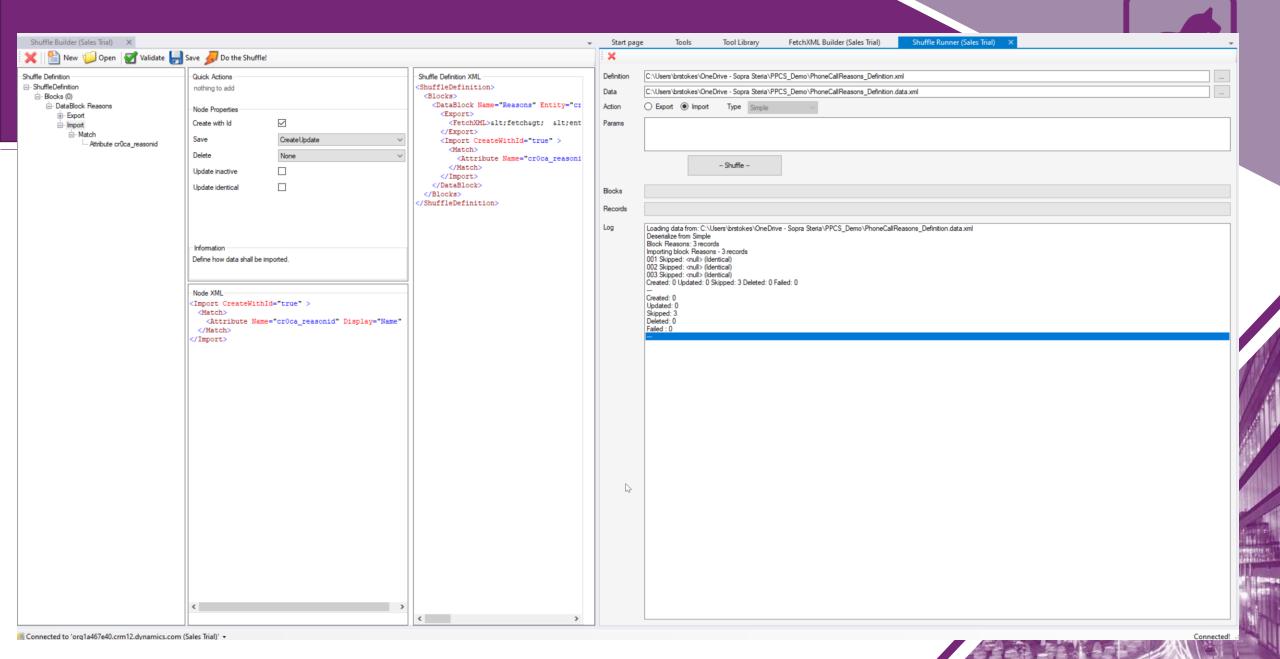
These were first created by **Jonas Rapp**, at my company **Cinteros AB** in Stockholm, Sweden.

**Shuffle** is a concept of a bunch of tools – console apps, plugin extensions, Azure DevOps extensions for pipelines, WinForm tools, and finally as XrmToolBox tools.

They were evolved into more and more features when we as the developers (mainly **Jonas** and **Imran Akram**) while we were at Innofactor, but now we have moved on, and we are the only ones who really understand *the codes*.

So **Shuffle tools** are now released by us, as individuals, and **we will keep updating, fixing, and improving them!** 





## Plats 3 – Easy Translator





### 3 – SQL 4 CDS

Author: Mark Carrington



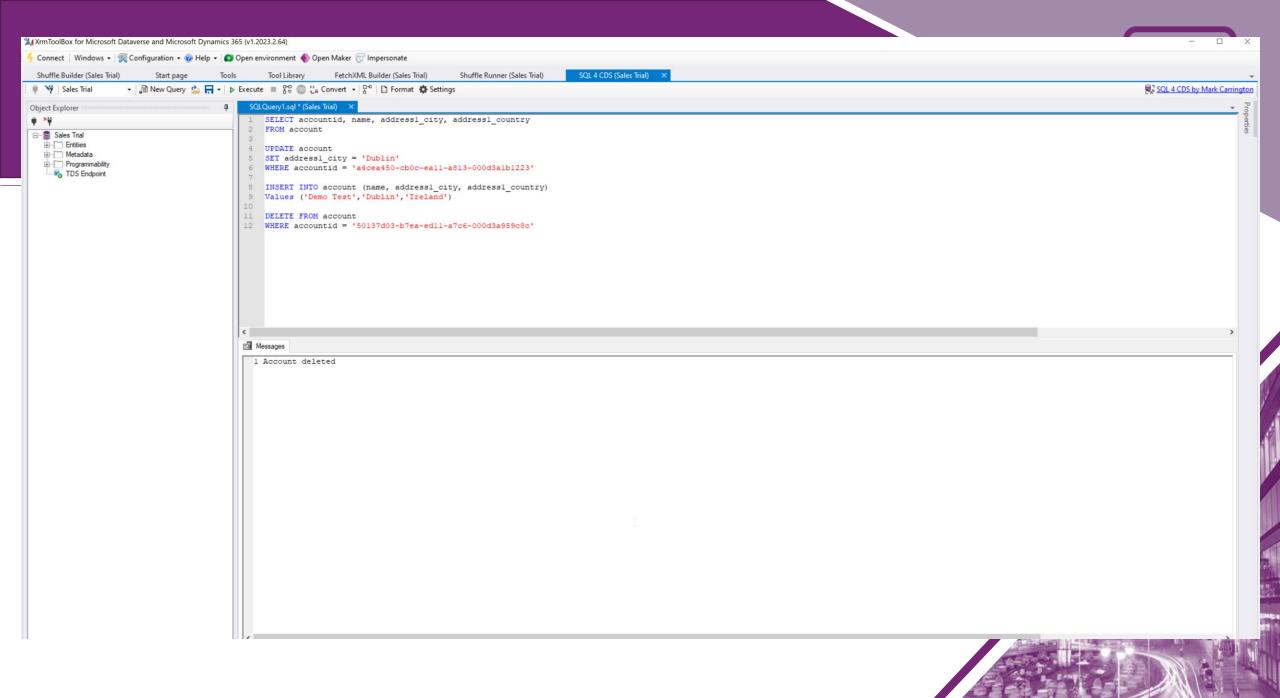






- Prefer SQL over FetchXml?
- CRUD Operations Supported
- SSMS interface in XTB
- Intellisense
- Impersonation
- Without XTB: Advanced Find





#### 2 – Documentation (2 for 1)

ERD to Visio by Carl Cookson Flow to Visio by Carl Cookson





#### 2- User Security Manager

Author: Nishant Rana, Prashant Maurya

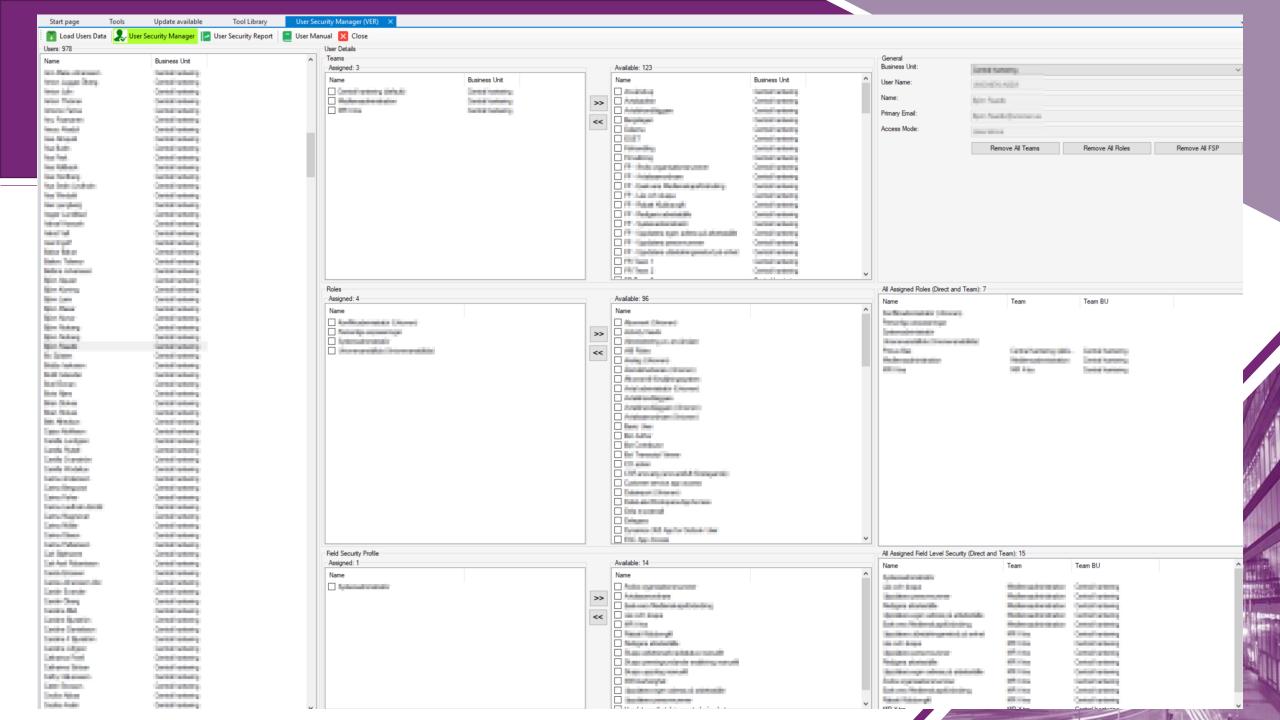




### 2 - User Security Manager



- Easily administrate user Secuity Roles and FLS
- View a list of user assigned roles, inherited roles or FLS
- Add/Remove a user(s);
  - Security Roles
  - Teams
  - FLS
- Change the Business Unit of the user
- Generate Reports
- Without XTB: SystemUser/Team/FieldLevelSecurity in GUI



### 1 – FetchXML Builder





#### FetchXML Builder



Creator: Jonas Rapp 🥰

~6000 uses/day

Integrated with ~50 other tools in XTB



#### 1 - FetchXML Builder features



- Power Automate Parameters
- Integration from other XrmToolBox tools
- Update Dynamics 365 Views
- Dataverse/CRM/D365 metadata intellisense
- Aggregate query support
- Query to FetchXML
- Query to code (C#/js/SQL/OData)
- Query to Power Automate List Records parameters
- Results in view
- Results serialized (XML/JSON)
- Query Repository
- Abort query execution over multiple pages
- Multiple options and settings
- Fully configurable window layout







- 5 Bulk Data Updater
- 4 Shuffle
- 3 SQL 4 CDS
- 2 User Security Manager
- 1 FetchXML Builder







- 5 View Layout Replicator
- 4 Solution Layer Explorer
- 3 Easy Translator
- 2 Documentation Tools
- 1 FetchXML Builder







- Data Transporter
- Visual Studio Solution Accelerator (Pro dev)
- UML Diagram Generator
- Recycle Bin
- Security Debugger
- Plugin Trace Viewer (Pro dev)
- Audit Center
- Iconator
- Webresource Manager (Pro dev)



### Summary

- Open Source = kanske ej uppdateras, kanske har buggar
- Documentation of some tools; <u>https://linnzawwin.blogspot.com/p</u> <u>/tools.html</u>
- Podcast: <a href="https://xrmtoolcast.libsyn.com">https://xrmtoolcast.libsyn.com</a>



# Tack & Frågor!



