

# Object achiever

## General info

This development is created to help manage objects from the NAV 2013 windows client. You can do almost everything what you can do in the developer environment (actually most of the functions just calls the finsql). So basically you can archive and restore versions (with limitations), export and import objects – store them with the archived versions.

Hopefully the whole solution is self explaining.

Other functions use sql queries so you have to have access to the server – the connection string is using windows authentications so everything will run under your windows account.

Please feel free to ask in the mibuso forum or by E-mail: [gyszabolcs@gmail.com](mailto:gyszabolcs@gmail.com).

If you improve it please don't keep it just only to yourself☺...

Thank you for downloading and checking this out (also for your comments).

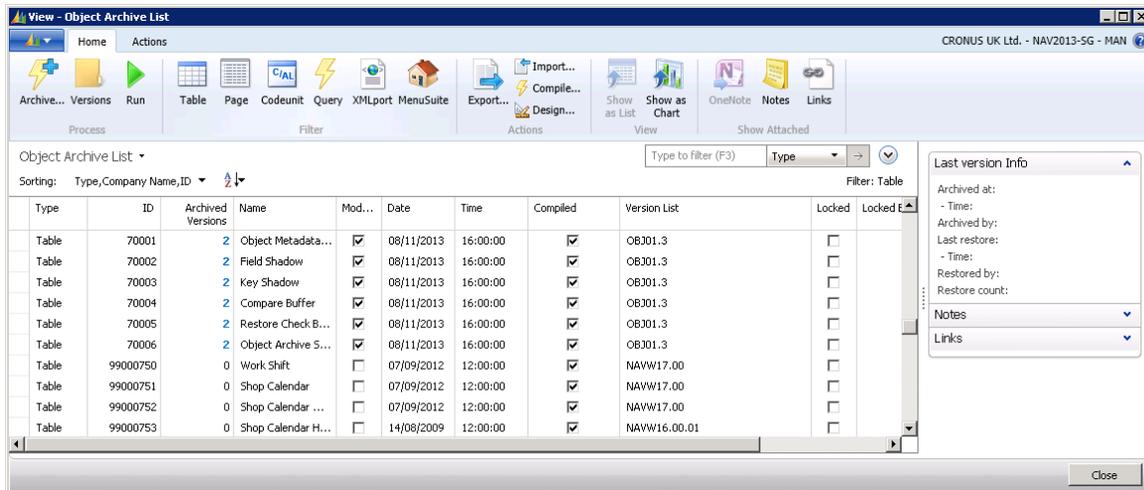
## Installation

1. Please import the Page70000\_N2013.fob for **NAV 2013** or the Page70000\_N2013\_R2.fob for **NAV 2013 R2**. Unfortunately the run command use the Microsoft.Dynamics.Nav.Types.ConfigSettings assembly and it has different version in R2 therefore if you try to compile you'll receive an error.
2. Import the Object\_Archive\_Objects\_Part2.fob to get the rest of the objects.

## Main window (Page 7000 - Object Archive List, 7000 - Object Shadow)

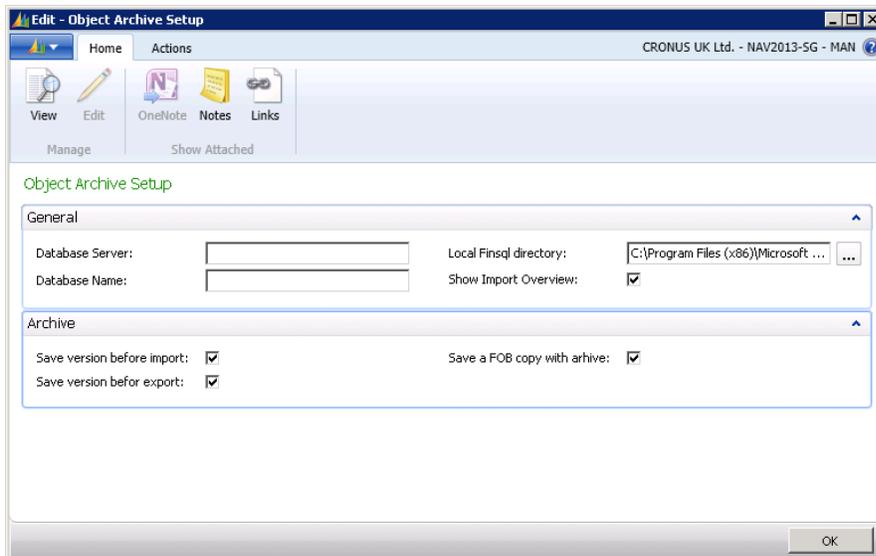
Here you can see the contents of the object table with the following functions:

- Archive – creates a copy from the current object version (Object table, Metadata, Fields, Keys, a saved FOB if needed)
- Versions – opens the archived version list
- Run – start the selected object
- Filters – helps to filter the list more easily (like in the real object designer)
- Export – Fob export for the selected objects (only one type and limited numbers – s don't try to export everything at once)
- Import – Imports a fob file
- Compile – compile the selected objects
- Design – opens the Developer Environment with the selected object (RTC will hang till you close the DevEnv)



## Setup window (Page 70006 - Object Archive Setup, Table 70006 - Object Archive Setup)

Most of the functions are using the **finsql.exe** on your **local computer** this means you have to setup the followings (the first run will open the setup page 70006 - Object Archive Setup):



- SQL Server, Database: necessary to for the restore process (Object table has limitations so we can't edit modify the records from code therefore we have to use some sql).
- Local finsql – necessary for fob import / export, design and compile

### Additional settings

- Show Import Overview – display the list of objects from the fob what you try to import, also you can instruct the system to archive a version from the objects before import.
- Save version before import – default setting only works with enabled *Show Import Overview*
- Save version before export – new archived version from the selected and exported objects.

- Save a FOB copy with archive – not just object and metadata save but a fob version as well (later you can save it as an individual fob file or restore it directly)

## Version list (Page 70001 - Object Shadows, Table 7000 - Object Shadow)

In this window you can see the saved versions – the fact box provides extra information.

Version No.	Date	Time	Version List	Locked	Locked By	BLOB Reference
1	08/11/2013	11:19:01....	OB301.3	<input type="checkbox"/>		
2	08/11/2013	11:19:01....	OB301	<input type="checkbox"/>		

**Version Details**

**General Information**

Archived at: 08/11/2013  
 - Time: 11:28  
 Archived by: ANGLIA\SZABOLCSG  
 Last restore:  
 - Time:  
 Restored by:  
 Restore count: 0

**Table Info.**

No. Of Fields: 28  
 No. Of Keys: 1  
 Curr. Fields: 28  
 Curr. Keys: 1

Notes  
 Links

OK

## Functions

- Restore – tries to restore the saved version by copying back the data from the Object Shadow and the Object Metadata Shadow table to the Object and to the Object Metadata. This works perfectly well with most of the objects but the tables. With tables the system supports: adding new fields and extend existing fields. New keys or any other field modification will stop the restore.
- Save FOB – if the version information contains a saved fob as well than you can export it (finsql needed locally).
- Restore from FOB – alternatively you can restore the saved fob version – this can be useful with the tables (finsql needed locally).
- Table tools – you can compare the saved version with the **current** object – will show the field and key differences.