

## Whitepaper

Product	agilesTemplate
Topic	Example: Send filtered data from Template Company via Job Queue
Created at	June, 23 <sup>rd</sup> 2017
Created by	Eymer, Marco

### Preface

Often a group of records filtered on defined field values should be send to one or more dependend companies. To do this you normally filter the records, mark them all and choose the "Send <TableName>"-Action. In the opening page, you select the receiving companies. By clicking the Ok-Button, the transfer starts.

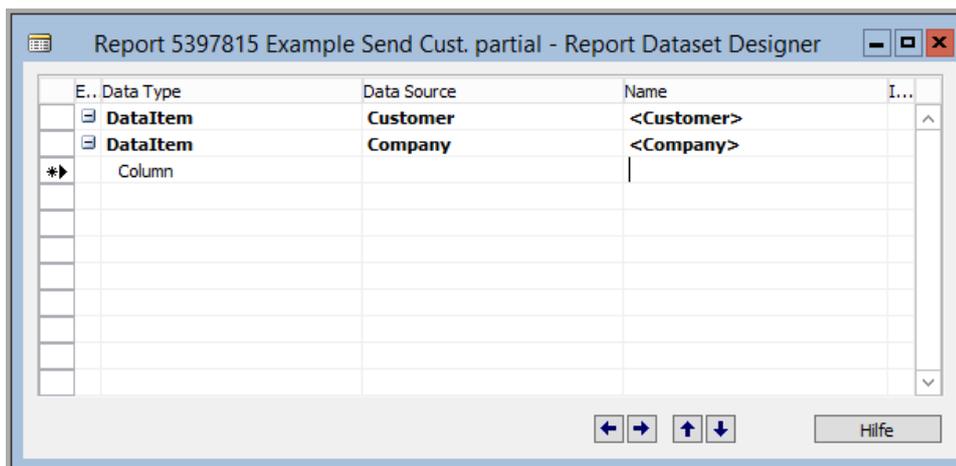
Because this is a manual process, you may have forgotten to start it. Relevant data is missing in the operative companies. Therefore, if this should be done automatically when someone adds new records that match the filter criteria, you can use our example here. It shows you how to create a job queue entry handling the automatic sending of filtered records from a certain table into a list of dependend companies.

### Precondition

To automate the sending of records with the techniques of our example your version of agilesTemplate should be 4.10.03 or higher.

### Presentation of the example

As a part of the agilesTemplate 4.10.03 Objects we deliver the example batch report 5397815 "Example Send Cust. partial". Copy this report and customize it for your individual requirements. To give you some hints on how this works open the report in the development environment.



You always need two Dataltems in the report. First the Dataltem for the table where you want to send a filtered group of records from. Last the Dataltem for table Company. Here you set the filter for the receiving companies.

Property	Value
ID	5397815
Name	Example Send Cust. partial
Caption	Beispiel Debitoren partiell senden
CaptionML	DEU=Beispiel Debitoren partiell senden;ENU=Example Send Cust. partial
Description	<>
UseRequestPage	<Yes>
UseSystemPrinter	<No>
EnableExternalImages	<No>
EnableHyperlinks	<No>
EnableExternalAssemblies	<No>
ProcessingOnly	Yes
ShowPrintStatus	<Yes>
TransactionType	<UpdateNoLocks>
Permissions	<Undefined>
PaperSourceFirstPage	<Undefined>
PaperSourceDefaultPage	<Undefined>
PaperSourceLastPage	<Undefined>
PreviewMode	<Normal>
DefaultLayout	<RDLC>
WordMergeDataItem	<>
PDFFontEmbedding	<Default>

In the report properties, make sure that **ProcessingOnly** is set to **Yes** to make this report running as a batch job only.

Now open the C/AL Code Editor, to see what has to be done on the programming side.

```

Report 5397815 Example Send Cust. partial - C/AL Editor
1 Documentation()...
9 OnInitReport()
10
11 OnPreReport()
12
13 OnPostReport()
14
15 Customer - OnPreDataItem()
16 CurrReport.BREAK;
17
18 Customer - OnAfterGetRecord()
19
20 Customer - OnPostDataItem()
21
22 Company - OnPreDataItem()
23 CurrReport.BREAK;
24
25 Company - OnAfterGetRecord()
26
27 Company - OnPostDataItem()
28
29 IF Customer.GETFILTERS = '' THEN
30 CurrReport.QUIT
31 ELSE
32 RecRef.GETTABLE(Customer);
33
34 ReplMgmt.SendPoolDataUnattended(RecRef,COMPANYNAME,Company);
35

```

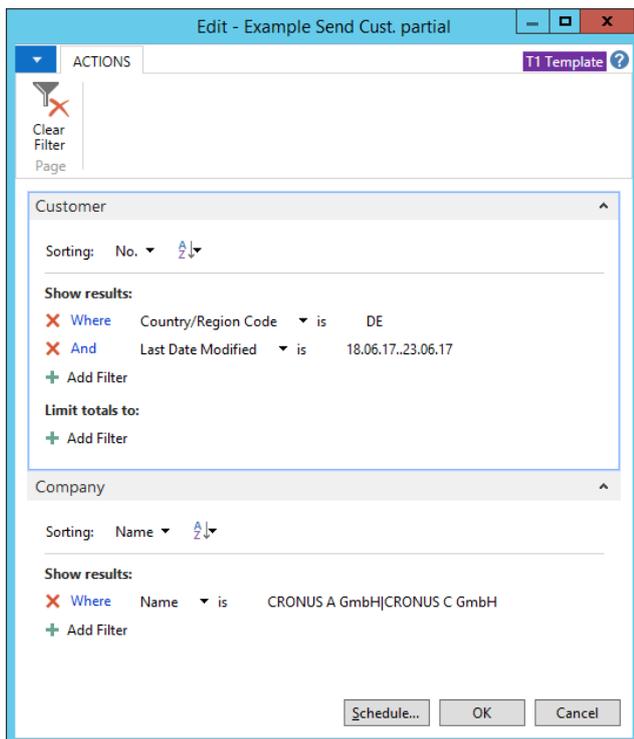
Both DataItems are only needed to set filters on the data and on the companies where it should be send to. Bind the DataItem for the data records to a RecordRef variable, as our functions are always generic and independent from the type of table.

Last not least call the function

```
SendPoolDataUnattended(RecRef, FromCompanyName, TargetCompanies)
```

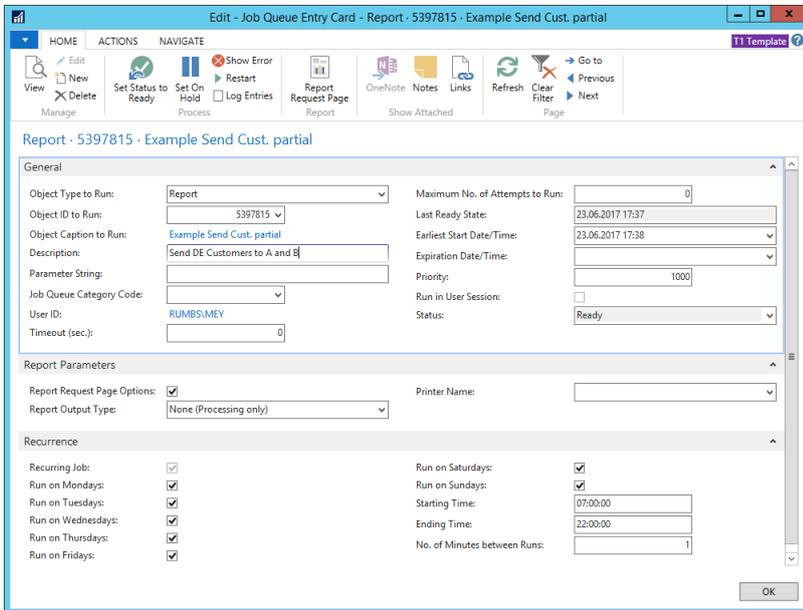
This will do the sending process for all records in the RecordRef variable.

If a table is set up as a template table with get/send option activated you can now test the report by running it manually from your template company.



Enter the desired filters to your data and set the filter for the companies where you want to send the records to. These companies should all be depending companies for the data. After pressing the OK-Button, the data will be transferred. Companies, which are not depending companies for this data, will be skipped.

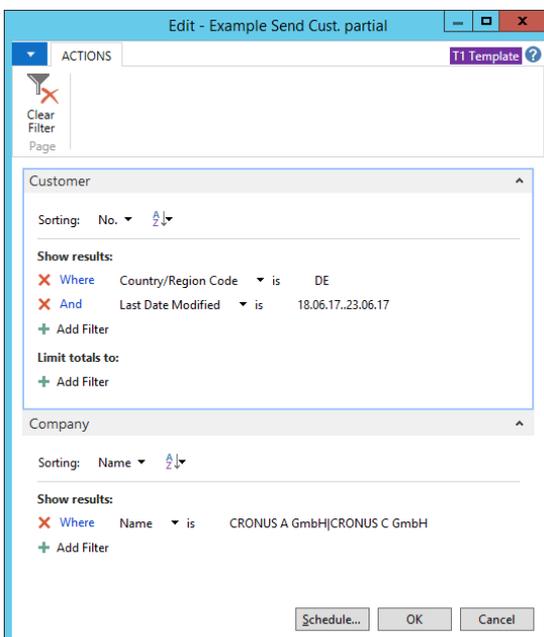
Now if your template setup is ok and the report runs successfully, you will set up the job queue entry to automate this task.



The screenshot shows the 'Edit - Job Queue Entry Card' window for report '5397815 - Example Send Cust. partial'. The window is divided into several sections:

- General:** Object Type to Run: Report; Object ID to Run: 5397815; Object Caption to Run: Example Send Cust. partial; Description: Send DE Customers to A and B; Parameter String: ; Job Queue Category Code: ; User ID: RUMBS\MEY; Timeout (sec.): 0; Maximum No. of Attempts to Run: 0; Last Ready State: 23.06.2017 17:37; Earliest Start Date/Time: 23.06.2017 17:38; Expiration Date/Time: ; Priority: 1000; Run in User Session: ; Status: Ready.
- Report Parameters:** Report Request Page Options: ; Report Output Type: None (Processing only); Printer Name: ;
- Recurrence:** Recurring Job: ; Run on Mondays: ; Run on Tuesdays: ; Run on Wednesdays: ; Run on Thursdays: ; Run on Fridays: ; Run on Saturdays: ; Run on Sundays: ; Starting Time: 07:00:00; Ending Time: 22:00:00; No. of Minutes between Runs: 1.

Create a new job queue entry on your newly developed report and set up its time schedule depending on the expected frequency of data changes.



The screenshot shows the 'Edit - Example Send Cust. partial' window with the 'Report Request Page' action selected. The 'Customer' section has the following filters:

- Sorting: No.
- Show results:
  - Where: Country/Region Code is DE
  - And: Last Date Modified is 18.06.17..23.06.17
- Limit totals to: (Add Filter)

The 'Company' section has the following filters:

- Sorting: Name
- Show results:
  - Where: Name is CRONUS A GmbH|CRONUS C GmbH
- Limit totals to: (Add Filter)

Buttons at the bottom include 'Schedule...', 'OK', and 'Cancel'.

With the Report Request Page - Action in the menu pane of your job queue entry you can set up filters on the Dataltems of your batch report. If you have completed the setup of this job queue entry, you can set the status to *Ready*. Depending on the schedule, the automated sending process should start immediately.