UNIT4
In business for people.



Manual

collector

Microsoft Dynamics AX 2012

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CONTENTS

1.	**Microsoft Dynamics AX 2012**	**1**
1.1.	Specify the connection and login data	1
1.2.	Select the company	2
1.3.	Select the entities to be exported	3
1.4.	Select the financial year, the period and the date	3
1.5.	Dimensions	4
2.	**Potential issues**	**6**
3.	**Minimal table SELECT rights**	**7**

1. MICROSOFT DYNAMICS AX 2012

Unit4 DataCollector is supplied with all the components required to establish a connection with the Microsoft Dynamics AX system. The installation of Microsoft Dynamics AX GUI software at the workstation is not required.

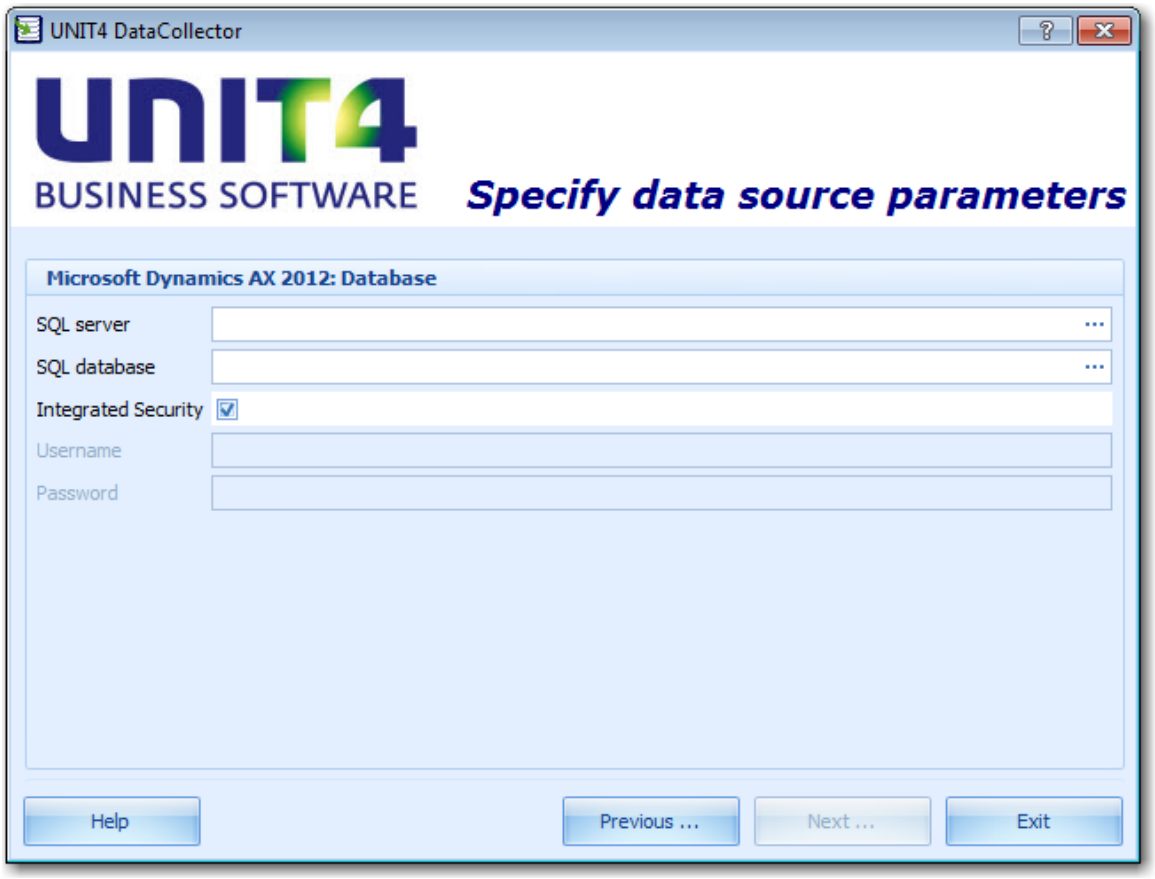
Before specifying the file location (refer to the "Specify the file location" section of the Unit4 DataCollector manual), perform the following steps to export data from Microsoft Dynamics AX:

- Specify the connection and login data.
- Select the company.
- Select the entities to be exported.
- Select the financial year, the periods and the dates.

This version has successfully completed the internal testing, but is still insufficiently tested in the field. Of course you can use this collector. If the extracted figures are incorrect, then we will support you to determine the cause.

1.1. Specify the connection and login data

In this step you enter the required data to establish a connection with the Microsoft Dynamics AX system.



The following data must be available for the connection and to log in:

- Name of the Microsoft Dynamics AX SQL database server.
- SQL database.
- User name.
- Password.

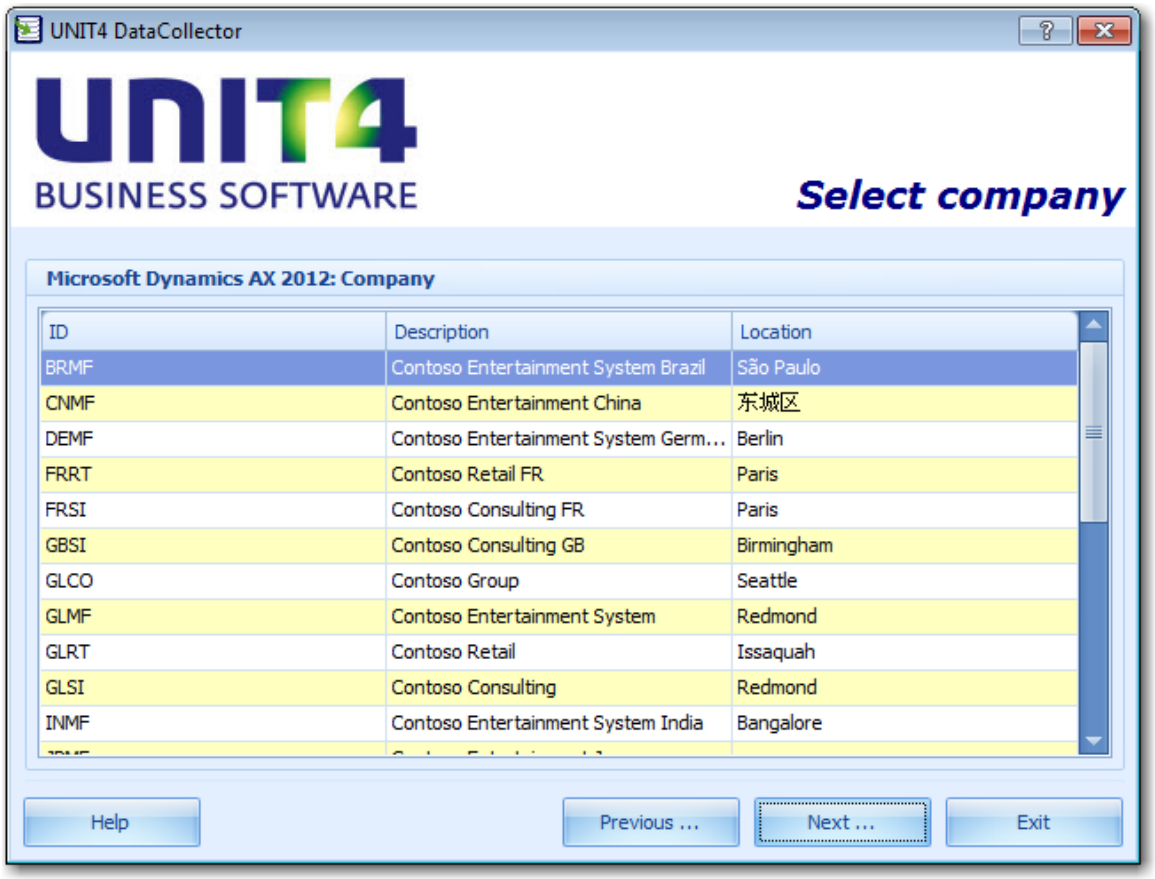
When the **Integrated Security** option is selected in the above window, Unit4 DataCollector uses the user name and password entered when the user logged into the workstation. When the **Integrated Security** option has been disabled, you must enter a user name and password to access the SQL server.

For a number of tables, the user must have at least SELECT rights to run a successful extraction (see "Minimal table SELECT rights" on page 7).

Click the Next ... button when you have entered the data.

1.2. Select the company

In this step you select the company from which the data is to be exported.



Next, click the Next ... button.

1.3. Select the entities to be exported

In this step you specify the entities to be exported.



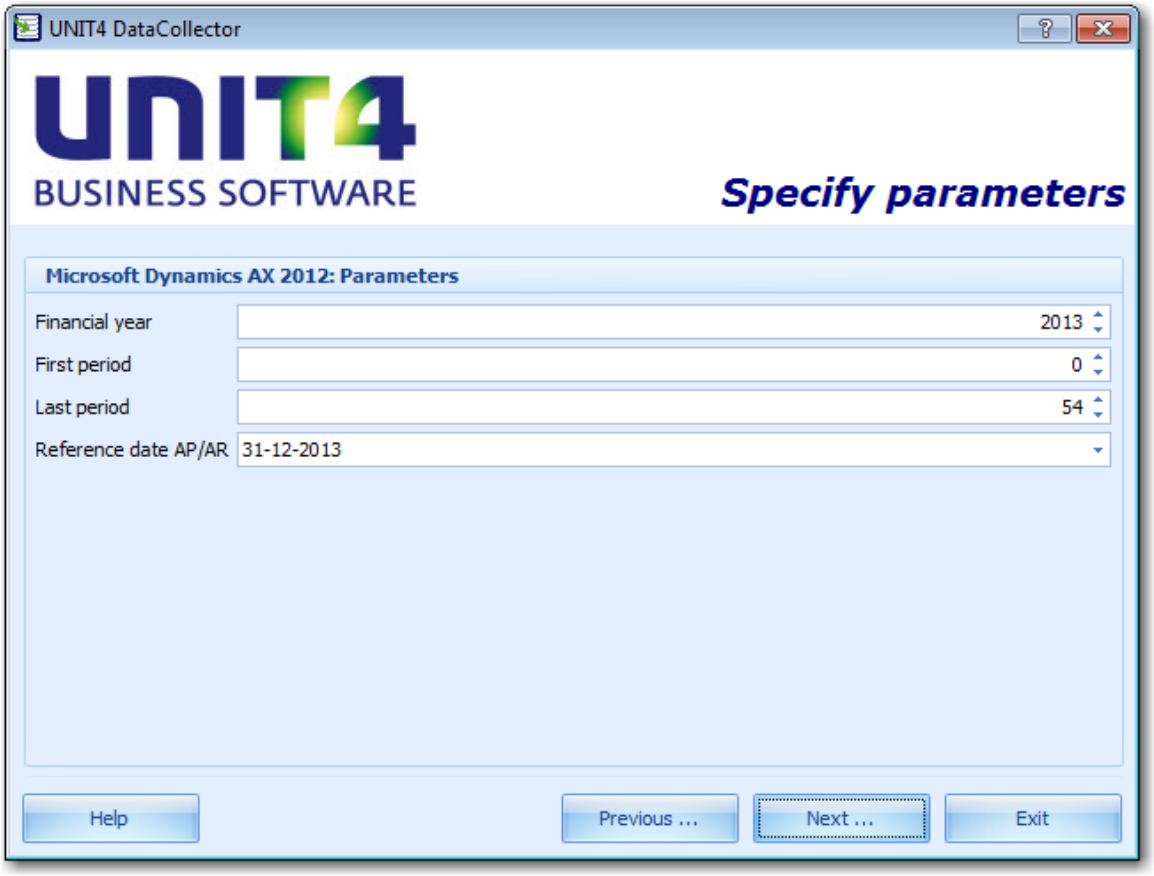
When a specific entity cannot be exported from Microsoft Dynamics AX, this entity cannot be selected in this window (in the above image this is the "Tax codes" entity).

Click the Disable all entities button, to deselect the selection. You can only continue after having selected at least one entity. The Enable all entities button is now shown instead of the Disable all entities button. Click this button to select all the entities that can be exported.

Once you have completed the selection, click the Next ... button.

1.4. Select the financial year, the period and the date

In this step you specify the financial year and periods from which the financial data is to be exported.



Select the following fields:

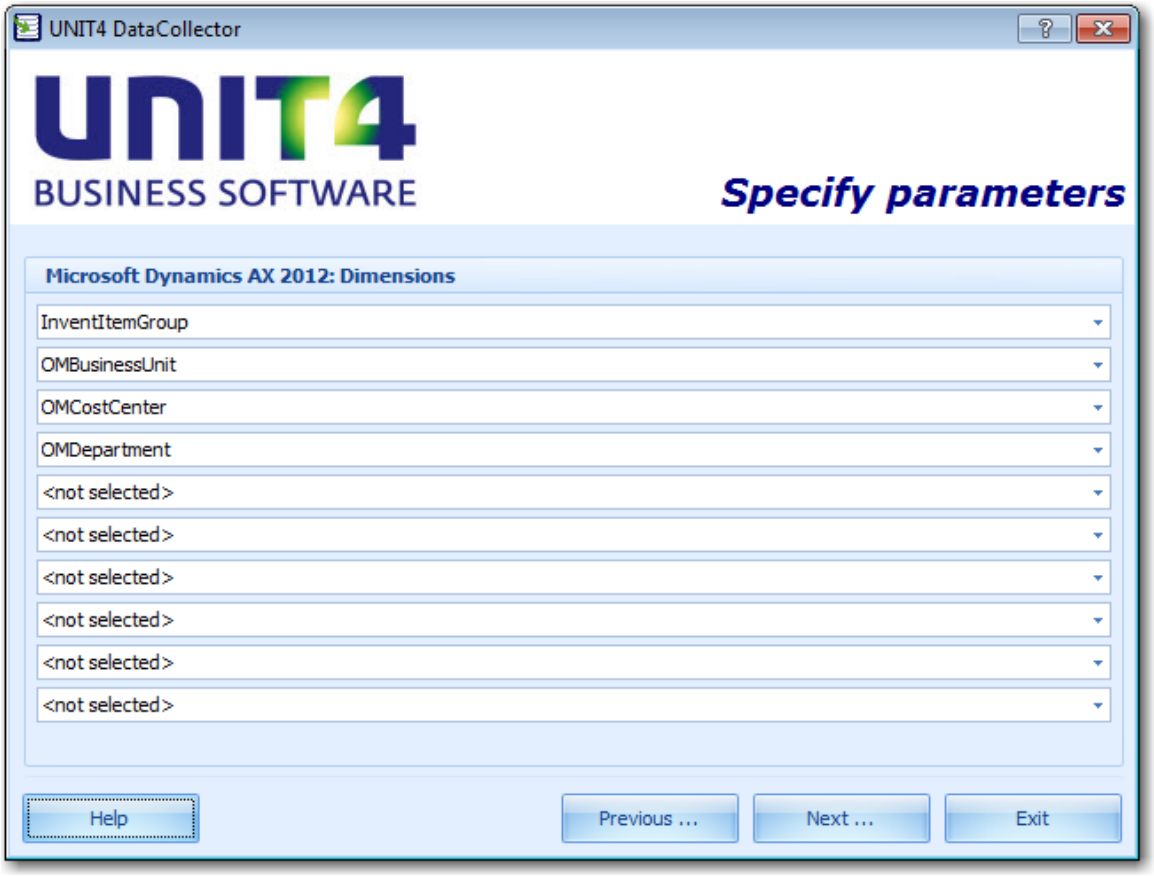
- **Financial year**: the financial year.
- **First period** and **Last period**: the range of periods (the opening balance is included by specifying period 0 as the **First period**).
- **Reference date AP/AR**: the reference date for the open accounts payable/accounts receivable.

Click the 

button when you have specified the above fields.

1.5. Dimensions

In Unit4 AccountAnalyser 10 fixed dimensions are used. In this screen, you can link the dimensions in Axapta to dimension 1 to (max) 10. In the dimensions list it is also possible to select the Journal Category and/or the Posting Type as a dimension.



Only dimensions that are selected, are extracted.

If an extraction for that company has already been done into a prior period in Unit4 AccountAnalyser, you must use the same dimension selection in the same order. If new dimensions needs to be extracted, use previously unused dimension fields for the new dimensions.

2. POTENTIAL ISSUES

- The master data journals are imported with journal types and contra accounts for as far as possible. But for purchase and sales journals it is not possible to fill in the contra account, because in AX the contra account is connected to the customer and vendor instead of the journal. Therefore you need to fill it in your self as far as possible. This is necessary for certain reports in Unit4 AccountAnalyser to function properly.

- The transactions in Microsoft Dynamics AX are being extracted through the period table, so if the financial year does not exist in Microsoft Dynamics AX than the journal, debtor and creditor entries are not extracted. Neither are the accounts payable and receivables which are booked in that year. The application administrator of MS Dynamics AX needs to create these year or periods in the period table if there are transactions in that financial year.

- In Microsoft Dynamics AX there can be more than one debtor or more than one creditor by one journal entry transaction. With such a journal entry debtor or creditor code "U4A_Grouped" will be filled in. In the debtor entries or creditor entries you can see which debtors or creditors have the same invoice number or entry number/reference.

- In Microsoft Dynamics AX it is possible that there is more than one invoice by one journal entry transaction. With such a journal entry invoice "U4A_Grouped" will be filled in. In the debtor entries or creditor entries you can see which invoices have the same entry number/reference.

- In Microsoft Dynamics AX it is possible that a journal entry is booked without a journal. For this case the Journal Category (or Trans Type) is added as a journal. To indicate that this is not a regular journal, but a journal category, these journals are stored with prefix "U4A_CAT_" followed by the Journal Category number. The description of these journals are stored in the master data entity Journals.

- In Microsoft Dynamics AX payments do not have an invoice number. They are matched with the invoice. Unit4 AccountAnalyser however expects that the invoice and the belonging payment have the same invoice number. It is therefore not possible in the debtor entries and creditor entries to see which payment belongs to which invoice. In the accounts payables and accounts receivables this is not an issue. Because payments do not have an invoice number the text "Voucher: " followed by the voucher number will be filled in for recognition in the accounts payables and accounts receivables.

- Vendor invoices in Microsoft Dynamics AX can be registered in a journal and be approved in a different journal. You will see this also in the journal entries in Unit4 AccountAnalyser. In the creditor entries however there is one invoice and the last booked journal is used there.

3. MINIMAL TABLE SELECT RIGHTS

The Unit4 DataCollector needs to connect to the database with a user and password. You can create this user with minimal SELECT rights on that database on the following tables:

BANKACCOUNTTABLE
COMPANYINFO
CUSTBANKACCOUNT
CUSTSETTLEMENT
CUSTTRANS
DATAAREA
DIMENSIONATTRIBUTE
DIMENSIONATTRIBUTELEVELVALUEVIEW
DIMENSIONATTRIBUTEVALUE
DIMENSIONATTRIBUTEVALUESET
DIMENSIONATTRIBUTEVALUESETITEM
DIRPARTYLOCATION
DIRPARTYPOSTALADDRESSVIEW
DIRPARTYTABLE
FISCALCALENDAR
FISCALCALENDARPERIOD
FISCALCALENDARYEAR
GENERALJOURNALACCOUNTENTRY
GENERALJOURNALENTRY
LEDGER
LEDGERCHARTOFACCOUNTS
LEDGERENTRYJOURNAL
LEDGERJOURNALNAME
LEDGERJOURNALTABLE
LEDGERJOURNALTRANS
LOGISTICSADDRESSCOUNTRYREGIONTRANSLATION
LOGISTICSELECTRONICADDRESS
LOGISTICSPOSTALADDRESS
MAINACCOUNT
PAYMTERM
SUBLEDGERVOUCHERGENERALJOURNALENTRY
SYSCOLUMNS
SYSOBJECTS
SYSSETUPLOG
TAXDATA
TAXLEDGERACCOUNTGROUP
TAXTABLE
TRANSACTIONLOG
USERINFO
VENDBANKACCOUNT
VENDSETTLEMENT
VENDTABLE
VENDTRANS
VIRTUALDATAAREALIST