

Extraction and Reporting of FI-CA: Open Items Data In SAP-BI

Applies to:

SAP BW 3.5 and above.

Summary

I saw a few posts ([example](#)) in SDN BI forums, about getting FI-CA open-items information into BW; having already implemented this scenario, I thought writing an article will be useful.

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R/3 side details and configuration

The base table in R/3 for open items data is DFKKOP.

By doing a mass activity 'run' using transaction code FPBW (Description: OI Extraction into BW (Parallel), please see supplied screenshots), the open items information is transferred from table DFKKOP into table DFKKOPBW. In the run, we specify the key date (which is most important because open items posted up to this date are extracted into the table DFKKOPBW), a Date ID and an Identification. Date ID and Identification are key fields in the table DFKKOPBW. Data from different 'runs' can be distinguished by these 2 fields. A combination of Date ID + Identification, once used for one 'run' cannot be used for another mass activity run.

Datasource

The business content datasource to be used is 0FC_OP_01. Delta update is not available for this datasource. Delta occurs as a result of repeated mass activity 'runs' in OLTP. Ex: For loading monthly/weekly data, we can select 'key date' as the last day of last month (or) the last day of the last week.

Configuration for populating the DataSource fields

In transaction 'SBIW' in source system, navigate using the below path, and click the execute button. In the new window that appears, enter value 'OP' and proceed. In the next screen you can specify the mappings of the fields added in DFKKOPBW, to the fields already present in DFKKOP.

This configuration is only required for the fields which are present in DFKKOP but are not available (but are required) in DFKKOPBW. An example of mappings is shown in below table. For fields not available in DFKKOP too, a user-exit will be required to retrieve the values of the enhanced fields of the datasource.

Path: Data Transfer to the SAP BIW → Settings for Application-Specific DataSources (PI) → Contract Accounts Receivable → Define Fields for the Extraction of Items.

Description	Field	Table	Table Field	Evaluation
Contract	ZZVTREF	DFKKOP	VTREF	Original Value
Main Transaction	ZZHVORG	DFKKOP	HVORG	Original Value
Document Date	ZZBLDAT	DFKKOP	BLDAT	Original Value

OI Extraction into BW (Parallel)

Run identification	Run status	Interval Status
Date ID: 13.03.2006	Parameter: Saved	Number: 1
Identification: ZW1106	Program run: Update run already completed	Ready: 1

Selections | Technical Settings | Logs

Selection Period for Open Items
 Key Date: 12.03.2006

Selection Criteria

Business Partner		to		
Company Code		to		
Business Area		to		

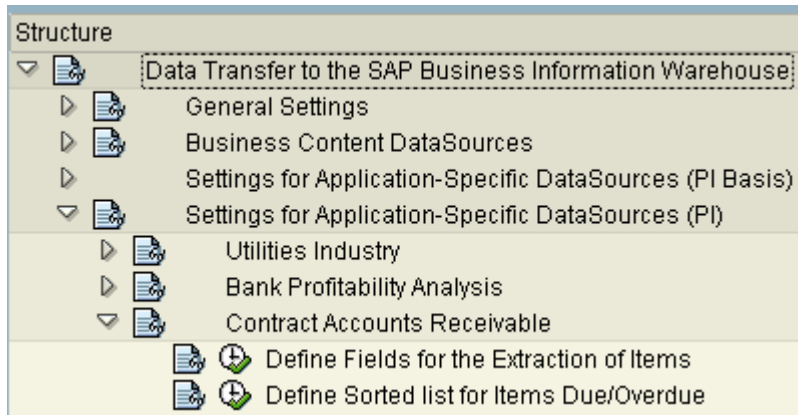
Statistical Items
 No Statistical Items
 Inst. plan has prio.
 Collective inv. has prio.
 No Down Pyts for Stat. Req.
 Simulate Credit Clearing

Transp. table: DFKKOPBW Active
 Short Description: OI Extraction

Attributes | Delivery and Maintenance | Fields | Entry help/check | Currency/Quantity Fields

Field	Key	Initi...	Data element	Data T...	Length	Deci...	Short Description
MANDT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	MANDT	CLNT	3	0	Client
LAUFD	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LAUFD_KK	DATS	8	0	Date ID
LAUFI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	LAUFI_KK	CHAR	6	0	Additional Identification Characteristic
INTNR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	INTNRBW_KK	NUMC	7	0	Number of Interval within Variant (BW Extraction)
RECNO	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	RECNO_KK	INT4	10	0	Record Number

(SBIW screenshot below)



BW side details and configuration

Business Content Cube to be used is OFC_C07.

This cube is not available in version 3.0B. It is available as 'FICA: Historical Open Items' (OFC_C01) in version SAP BW 3.1 / BI Content 3.3 Add-On, and as 'Open Items' (OFC_C07) from version SAP BI Content 3.5.1 Add-On. If enhancements are required, it is advisable that we copy the cube.

Business Content Infosource is OFC_OP_01.

Selection Parameters in Infopackage

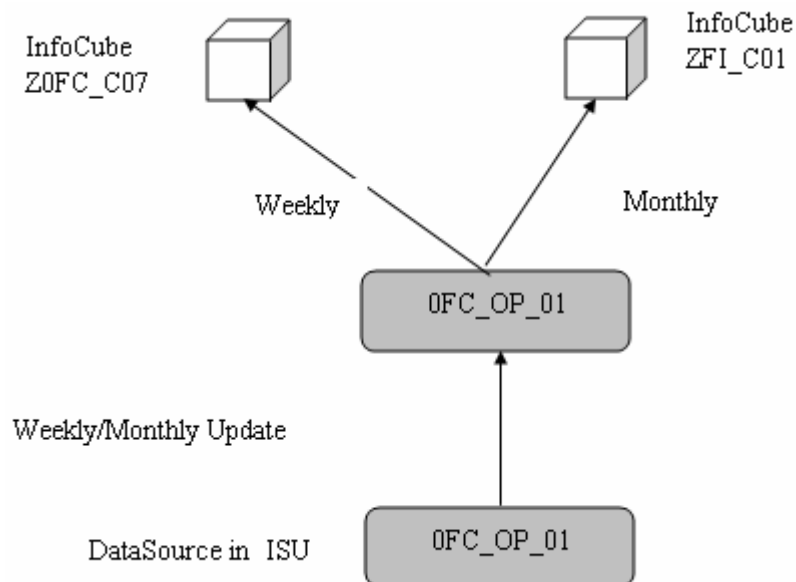
The fields LAUFD (Date ID) and Identification (LAUFI) are enabled for selection in the datasource OFC_OP_01. The BW infopackage needs to be executed for below parameters:

Date ID = 'Date ID' of mass activity run in R/3

Additional Identification Characteristic = 'Identification' of mass activity run in R/3

Data Model Diagram

Below is the data model diagram for the scenario. We have used separate cubes for monthly and weekly data (both copies of the business content cube OFC_C07)



Related Content

[SDN forums thread on open-items](#)

[Business Content: Contract Accounts Receivable and Payable](#)

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