

BW RTR - AR Payments

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General presentation

Objective of the application

Based on the Bank Statements, this application will enhance the Treasury Postings with additional information , collected differently depending on the System of origin, on the following documents :

- Customer Payments
- Customer Invoices

in order to get details on the categories of payments (i.e. Checks vs.Transfers) , on the processing methods (auto vs. manual clearing) , on the life cycle of the payment, etc.

This application gathers data from 3 different SAP ECC systems (PI1,PF1 and WP1) which is then available in a Multiprovider on the BW system .

Usage information

History

Provide some history of the application : When was it created ? What was the initial project ? Who was the original requestor ? If possible provide link to the project information

Roles & Access

Roles and access

List of application role + menu role and explanation if we have several applications role with specials rules.

Role Code	Role Description	Explanation

Authorization objects

List of autorisation objects mandatory for the application.

Authorization object	Explanation

Dataflow overview

Bank Statements details are extracted from both Banks Statement tables (FEBKO/FEBEP) and enhanced by data from the generated accounting Document (tables BKPF) and the Clearing information (tables BSAD and BSAS) .

Reporting documentation drive folder:

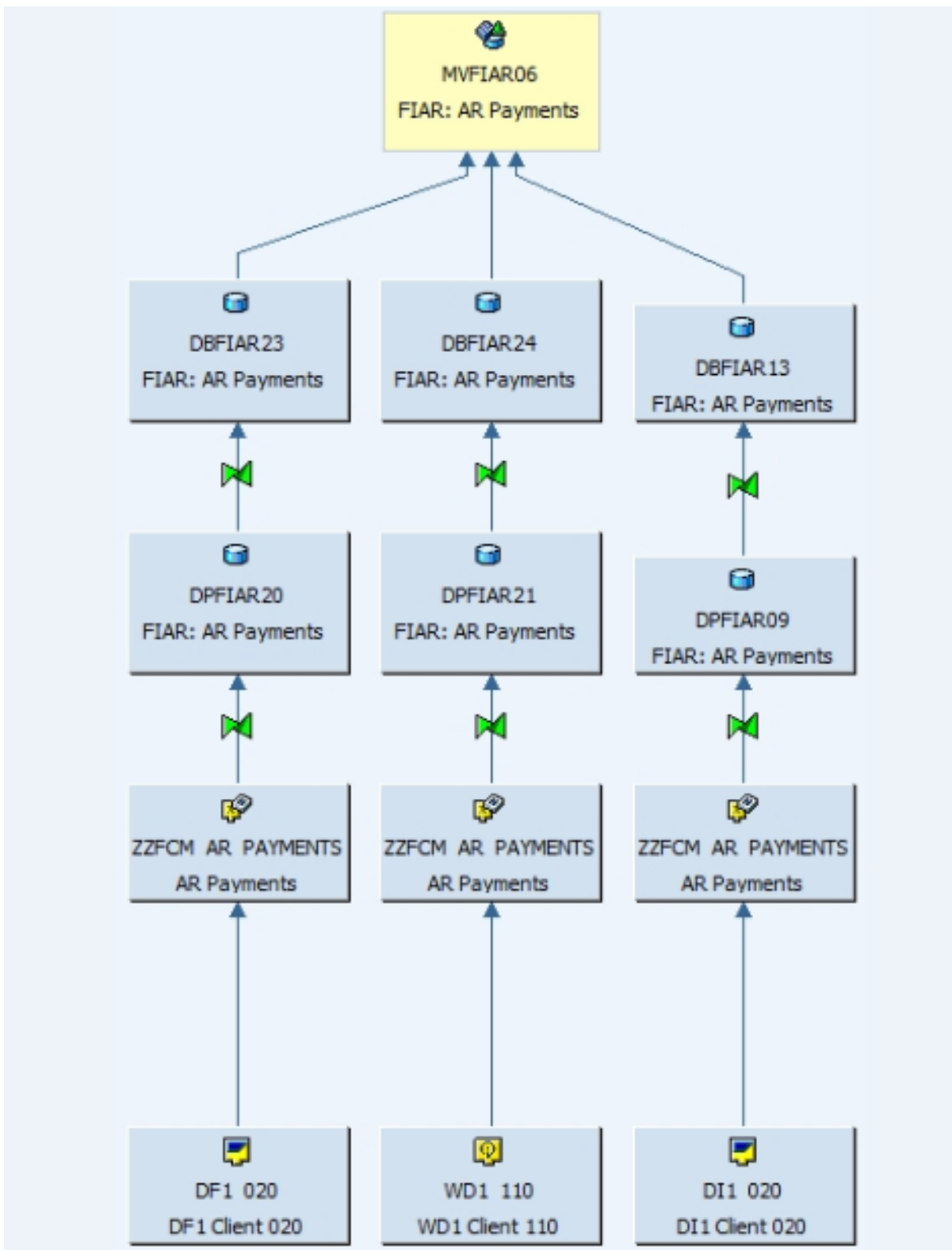
The following document will give an overview of fields used together with field transformation rules and examples :

https://drive.google.com/file/d/1Z-xtbU7W5SLIEF_sKeALXuO0Yt7exSVJH90uLIRnPWs/view

<https://drive.google.com/drive/folders/0B0qn89R0RGdqYkZZOFZyYXIXVKE>

Functional and Technical rules on Workbench + Reporting

Flow Chart :



Rules & Explanations

The data is extracted from systems PF1, WP1 and P11 from a generic Datasource ZZFCM_AR_PAYMENTS based on a Function Module.

The function module Z_ZBW_READ_AR_PAYMENT_FLOW will read the Bank Statement tables FEBKO/FEBEP within the range of the Statement dates selected and will enhance the payments with Accounting Document information from table BKPF and with the Clearing information from tables BSAS and BSAD.

Dependencies with other applications

Data loadings

Info providers and objects loaded

The data is extracted into Structure ZZF_BW_AR_PAYMENT_FLOW in the Source Systems :

Source Field	Type	Length	Dec	Description
KUKEY	NUMC	8	0	Short key (surrogate)
ESNUM	NUMC	5	0	Memo record number (line item number in bank statement)
AZDAT	DATS	8	0	Statement Date
BUKRS	CHAR	4	0	Company Code
BUKRS_AFF	CHAR	4	0	Company Code
EDATE	DATS	8	0	Import date into bank data puffer
ETIME	TIMS	6	0	Import time into bank data buffer
ETIMST	DEC	15	0	UTC Time Stamp in Short Form (YYYYMMDDhhmmss)
KWAER	CUKY	5	0	Account Currency Key
KWBTR	CURR	13	2	Amount in account currency
HBKID	CHAR	5	0	Short Key for a House Bank
BANKS	CHAR	3	0	Bank country key
BELNR	CHAR	10	0	Accounting Document Number
GJAHR	NUMC	4	0	Fiscal Year
BUDAT_TI	DATS	8	0	Posting Date in the Document
CPUDT_TI	DATS	8	0	Day On Which Accounting Document Was Entered
CPUTM_TI	TIMS	6	0	Time of Entry
CPUTS_TI	DEC	15	0	UTC Time Stamp in Short Form (YYYYMMDDhhmmss)
USNAM_TI	CHAR	12	0	User name
HKONT_TI	CHAR	10	0	General Ledger Account
BLART_TI	CHAR	2	0	Document Type
TCODE_TI	CHAR	20	0	Transaction Code
AUGBL_TI	CHAR	10	0	Document Number of the Clearing Document
AUGDT_TI	DATS	8	0	Clearing Date
BLART_AUGBL_TI	CHAR	2	0	Document Type
TCODE_AUGBL_TI	CHAR	20	0	Transaction Code
NB_DOCS_TI	INT2	5	0	2 byte integer (signed)
NBBLN	CHAR	10	0	Subledger document number
BUDAT_DZ	DATS	8	0	Posting Date in the Document
BLART_DZ	CHAR	2	0	Document Type
KKBER_DZ	CHAR	4	0	Credit Control Area
KUNNR_DZ	CHAR	10	0	Customer Number
CPUDT_DZ	DATS	8	0	Day On Which Accounting Document Was Entered

CPUTM_DZ	TIMS	6	0	Time of Entry
CPUTS_DZ	DEC	15	0	UTC Time Stamp in Short Form (YYYYMMDDhhmmss)
USNAM_DZ	CHAR	12	0	User name
AUGBL_DZ	CHAR	10	0	Document Number of the Clearing Document
AUGDT_DZ	DATS	8	0	Clearing Date
TCODE_DZ	CHAR	20	0	Transaction Code
XREF1_DZ	CHAR	12	0	Business Partner Reference Key
BSCHL_DZ	CHAR	2	0	Posting Key
BUDAT_AUGBL_DZ	DATS	8	0	Posting Date in the Document
BLART_AUGBL_DZ	CHAR	2	0	Document Type
CPUDT_AUGBL_DZ	DATS	8	0	Day On Which Accounting Document Was Entered
CPUTM_AUGBL_DZ	TIMS	6	0	Time of Entry
CPUTS_AUGBL_DZ	DEC	15	0	UTC Time Stamp in Short Form (YYYYMMDDhhmmss)
USNAM_AUGBL_DZ	CHAR	12	0	User name
NB_INVOICES	INT2	5	0	2 byte integer (signed)
EPVOZ	CHAR	1	0	Debit/credit key for line items (for bank purposes)

Data is then loaded in BW first layer DSO's **DPFIAR09, DPFIAR20, DPFIAR21** respectively from systems PI1, PF1, WD1, and then loaded into 2nd layer DSO's **DBFIAR13, DBFIAR23, DBFIAR24**

Loading frequency

Data is loaded daily from Process Chain **PC_FI_ITC_02** , ITC: AR Payments

Average performance

Key Figure	Estimation
~ Average Process Chain Runtime	
~ Average nb of rows loaded per load	
~ Total nb of rows loaded (if full)	
~ Average Runtime for 10k lines	

Record Keeping

Reporting

Queries End User Documentation

Main queries

Technical name	Description
BW_QRY_MVFIAR06_0001	BW Manual Receipts matched on first time (Core Query)

BW_QRY_MVFIAR06_0002	BW AR Payments unallocated
BW_QRY_MVFIAR06_0003	BW AR Payments Core Query
BW_QRY_MVFIAR06_0004	BW AR Payments unmatched (Core Query)
QVSBS_BW_QRY_MVFIAR06_0003	BW AR Payments postings (QV Query)

Main functionalities

Broadcast

Maintenance

Known bugs

Recurring procedure

Planned Evolution