GL Transaction Details Process

SEI Templates
Functional Specification

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1   Revision history

Date	Who	Description
2013/06/28	**Johann Salas**	**Document creation**
2013/07/08	**Edgardo Mejia**	**Document Update**

2   Business need

The General Ledger Transaction Details process provides with useful fields to manipulate data around the account's transactions. Statistics such as the GL Transaction Detail containing the amounts of each account code per fiscal year and period, more information can be extracted from the Sage ERP X3 databases using this process.

3   Constraints & restrictions

- This process is only compatible with Sage ERP X3 V6 and V7.
- Views associated to the process must be created prior installation.
- New prompts associated to the process must be created prior installation.

4   Technical specification

4.1   Involved tables/views

Element	Alias	Type
GACCENTRYD	GACCENTRYD	Fact Table
COMPANY	COMPANY	Table
FACILITY	FACILITY	Table
GACCENTRY	GACCENTRY	Table
GACCOUNT	GACCOUNT	Table
GACCENTRYA	GACCENTRYA	Table
BPARTNER	BPARTNER	Table
BPCUSTOMER	BPCUSTOMER	Table
GTYPACCENT	GTYPACCENT	Table
ZTABCHANGE	ZTABCHANGE	Table
APLSTD	APLSTD	Table
ATEXTRA	ATEXTRA	Table
ATEXTRA	ATEXTRA_1	Table
ATEXTRA	ATEXTRA_2	Table
ATEXTRA	ATEXTRA_3	Table
ATEXTRA	ATEXTRA_4	Table
ATEXTRA	ATEXTRA_5	Table
ATEXTRA	ATEXTRA_6	Table
ATEXTRA	ATEXTRA_7	Table
ATEXTRA	ATEXTRA_8	Table
ATEXTRA	ATEXTRA_9	Table
ATEXTRA	ATEXTRA_10	Table
ATEXTRA	ATEXTRA_11	Table

4.2 Joins between tables

From Table Name	From Table Alias	Type of Join	Linked Table	Linked Alias	Join
GACCENTRYD	GACCENTRYD	Left	COMPANY	COMPANY	GACCENTRYD.CPY_0 = COMPANY.CPY_0
GACCENTRYD	GACCENTRYD	Left	FACILITY	FACILITY	GACCENTRYD.FCYLIN_0 = FACILITY.FCY_0
GACCENTRYD	GACCENTRYD	Left	GACCENTRY	GACCENTRY	GACCENTRYD.TYP_0 = GACCENTRY.TYP_0
GACCENTRY	GACCENTRY	Left	ZTABCHANGE	ZTABCHANGE	GACCENTRY.NUM_0 = ZTABCHANGE.NUM_0
GACCENTRYD	GACCENTRYD	Left	GACCOUNT	GACCOUNT	GACCENTRYD.ACCDAT_0 = GACCOUNT.DATE_0
GACCENTRYD	GACCENTRYD	Left	GACCENTRYA	GACCENTRYA	GACCENTRYD.CUR_0 = GACCENTRYA.CUR_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA	GACCENTRYA.TYPRAT_0 = ATEXTRA.CHGTYP_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_1	GACCENTRYA.ACC_0 = ATEXTRA_1.ACC_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_2	GACCENTRYA.COA_0 = ATEXTRA_2.COA_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_3	GACCENTRYA.TYP_0 = ATEXTRA_3.TYP_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_4	GACCENTRYA.NUM_0 = ATEXTRA_4.NUM_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_5	GACCENTRYA.LIN_0 = ATEXTRA_5.LIN_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_6	GACCENTRYA.LEDTYP_0 = ATEXTRA_6.LEDTYP_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_7	GACCENTRYA.DIE_0 = ATEXTRA_7.IDENT1_0
GACCENTRYA	GACCENTRYA	Left	ATEXTRA	ATEXTRA_8	GACCENTRYA.CCE_0 = ATEXTRA_8.IDENT2_0
GACCENTRYD	GACCENTRYD	Left	BPARTNER	BPARTNER	GACCENTRYD.DIE_1 = BPARTNER.IDENT1_0
GACCENTRYD	GACCENTRYD	Left	BPCUSTOMER	BPCUSTOMER	GACCENTRYD.CCE_1 = BPCUSTOMER.IDENT2_0
GACCENTRYD	GACCENTRYD	Inner	GTYPACCENT	GTYPACCENT	GACCENTRYD.CCE_2 = GTYPACCENT.IDENT2_0
GACCENTRYD	GACCENTRYD	Left	APLSTD	APLSTD	GACCENTRYD.DIE_2 = APLSTD.IDENT1_0
GACCENTRYD	GACCENTRYD	Left	ATEXTRA	ATEXTRA_9	GACCENTRYD.CCE_3 = ATEXTRA_9.IDENT2_0
GACCENTRYD	GACCENTRYD	Left	ATEXTRA	ATEXTRA_10	GACCENTRYD.DIE_3 = ATEXTRA_10.IDENT1_0
GACCENTRYD	GACCENTRYD	Left	ATEXTRA	ATEXTRA_11	GACCENTRYD.DIE_4 = ATEXTRA_11.IDENT1_0

4.3 Specific Joins

Linked Alias	Linked Field	Operator	Specific Value
ATEXTRA	CODFIC_0	Equal	'CACCE'
ATEXTRA	ZONE_0	Equal	'DESTRA'
ATEXTRA	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_1	CODFIC_0	Equal	'CACCE'
ATEXTRA_1	ZONE_0	Equal	'DESTRA'
ATEXTRA_1	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_2	CODFIC_0	Equal	'CACCE'
ATEXTRA_2	ZONE_0	Equal	'DESTRA'
ATEXTRA_2	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_3	CODFIC_0	Equal	'CACCE'
ATEXTRA_3	ZONE_0	Equal	'DESTRA'
ATEXTRA_3	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_4	CODFIC_0	Equal	'CACCE'
ATEXTRA_4	ZONE_0	Equal	'DESTRA'
ATEXTRA_4	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_5	CODFIC_0	Equal	'CACCE'
ATEXTRA_5	ZONE_0	Equal	'DESTRA'
ATEXTRA_5	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_6	CODFIC_0	Equal	'CACCE'
ATEXTRA_6	ZONE_0	Equal	'DESTRA'
ATEXTRA_6	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_7	CODFIC_0	Equal	'CACCE'

ATEXTRA_7	ZONE_0	Equal	'DESTRA'
ATEXTRA_7	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_8	CODFIC_0	Equal	'CACCE'
ATEXTRA_8	ZONE_0	Equal	'DESTRA'
ATEXTRA_8	LANGUE_0	Equal	@CurrentLang;
APLSTD	LANCHP_0	Equal	2644
APLSTD	LANNUM_0	Greaterthan	0
APLSTD	LAN_0	Equal	@CurrentLang;
ATEXTRA_9	CODFIC_0	Equal	'GLED'
ATEXTRA_9	ZONE_0	Equal	'DESTRA'
ATEXTRA_9	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_10	CODFIC_0	Equal	'GCOA'
ATEXTRA_10	ZONE_0	Equal	'DESTRA'
ATEXTRA_10	LANGUE_0	Equal	@CurrentLang;
ATEXTRA_11	CODFIC_0	Equal	'GACCOUNT'
ATEXTRA_11	ZONE_0	Equal	'DESTRA'
ATEXTRA_11	LANGUE_0	Equal	@CurrentLang;

4.4   Fields

Table	Alias	Field	Description	Type	Prompt
GACCENTRYD	GACCENTRYD	LEDTYP_0	Ledger Type Code	Dimension	Yes
APLSTD	APLSTD	LANMES_0	Ledger Type Description	Description	No
GACCENTRYD	GACCENTRYD	LED_0	Ledger Code	Dimension	Yes
ATEXTRA	ATEXTRA_9	TEXTE_0	Ledger Description	Description	No
GACCENTRYD	GACCENTRYD	COA_0	Chart of Acct. Code	Dimension	Yes
ATEXTRA	ATEXTRA_10	TEXTE_0	Chart of Acct. Description	Description	No
GACCENTRYD	GACCENTRYD	CPY_0	Company Code	Dimension	Yes
COMPANY	COMPANY	CPYNAM_0	Company Description	Description	No
GACCENTRY	GACCENTRY	FIY_0	Fiscal Year	Dimension	Yes
GACCENTRY	GACCENTRY	PER_0	Period	Dimension	Yes
*SERVER	*SERVER	FLD0000007	Quarter	Dimension	No
GACCENTRYD	GACCENTRYD	OFFACC_0	Partner Code	Dimension	Yes
BPARTNER	BPARTNER	BPRNAM_0	Partner Description	Description	No
GACCENTRYD	GACCENTRYD	BPR_0	Customer Code	Dimension	Yes
BPCUSTOMER	BPCUSTOMER	BPCNUM_0	Customer Description	Description	No
GACCENTRYD	GACCENTRYD	ACC_0	Account Code	Dimension	Yes
ATEXTRA	ATEXTRA_11	TEXTE_0	Account Description	Description	No
GACCENTRYD	GACCENTRYD	NUM_0	Document Number	Dimension	No
GACCENTRYD	GACCENTRYD	DES_0	Document Description	Description	No
GACCENTRYD	GACCENTRYD	FCYLIN_0	Site Code	Dimension	Yes
FACILITY	FACILITY	FCYNAM_0	Site Name	Description	No
GACCENTRYA	GACCENTRYA	CCE_0	Analytical Dim 1	Dimension	Yes
ATEXTRA	ATEXTRA	TEXTE_0	Analytical Dim 1 Desc.	Description	No
GACCENTRYA	GACCENTRYA	CCE_1	Analytical Dim 2	Dimension	Yes
ATEXTRA	ATEXTRA_1	TEXTE_0	Analytical Dim 2 Desc.	Description	No
GACCENTRYA	GACCENTRYA	CCE_2	Analytical Dim 3	Dimension	Yes
ATEXTRA	ATEXTRA_2	TEXTE_0	Analytical Dim 3 Desc.	Description	No
GACCENTRYA	GACCENTRYA	CCE_3	Analytical Dim 4	Dimension	Yes
ATEXTRA	ATEXTRA_3	TEXTE_0	Analytical Dim 4 Desc.	Description	No
GACCENTRYA	GACCENTRYA	CCE_4	Analytical Dim 5	Dimension	Yes
ATEXTRA	ATEXTRA_4	TEXTE_0	Analytical Dim 5 Desc.	Description	No
GACCENTRYA	GACCENTRYA	CCE_5	Analytical Dim 6	Dimension	Yes
ATEXTRA	ATEXTRA_6	TEXTE_0	Analytical Dim 6 Desc.	Description	No
GACCENTRYA	GACCENTRYA	CCE_6	Analytical Dim 7	Dimension	Yes
ATEXTRA	ATEXTRA_5	TEXTE_0	Analytical Dim 7 Desc.	Description	No

GACCENTRYA	GACCENTRYA	CCE_7	Analytical Dim 8	Dimension	Yes
ATEXTRA	ATEXTRA_7	TEXTE_0	Analytical Dim 8 Desc	Description	No
GACCENTRYA	GACCENTRYA	CCE_8	Analytical Dim 9	Dimension	Yes
ATEXTRA	ATEXTRA_8	TEXTE_0	Analytical Dim 9 Desc.	Description	No
*SERVER	*SERVER	FLD0000013	Reporting Code 1	Dimension	No
GACCOUNT	GACCOUNT	RPTCODDEB_0	Reporting Debit Code 2	Dimension	No
GACCOUNT	GACCOUNT	RPTCODDEB_1	Reporting Debit Code 3	Dimension	No
GACCOUNT	GACCOUNT	RPTCODDEB_2	Reporting Debit Code 4	Dimension	No
GACCOUNT	GACCOUNT	RPTCODDEB_3	Reporting Debit Reporting Code Deb. 4	Dimension	No
GACCOUNT	GACCOUNT	RPTCODCDT_0	Reporting Credit Code 1	Dimension	No
GACCOUNT	GACCOUNT	RPTCODCDT_1	Reporting Credit Code 2	Dimension	No
GACCOUNT	GACCOUNT	RPTCODCDT_2	Reporting Credit Code 3	Dimension	No
GACCOUNT	GACCOUNT	RPTCODCDT_3	Reporting Credit Code 4	Dimension	No
GACCENTRYD	GACCENTRYD	TYP_0	Document type	Dimension	Yes
GACCENTRYD	GACCENTRYD	ACCDAT_0	Accounting Date	Dimension	No
*SERVER	*SERVER	FLD0000008	Accounting Date (Alpha)	Dimension	No
COMPANY	COMPANY	ACCCUR_0	Ledger Currency	Dimension	No
GACCENTRY	GACCENTRY	CUR_0	Transaction Currency	Dimension	No
*SERVER	*SERVER	FLD0000001	Ledger Debit	Measure Calculated	No
*SERVER	*SERVER	FLD0000006	Ledger Credit	Measure Calculated	No
*SERVER	*SERVER	FLD0000011	Ledger Posting	Measure Calculated	No
*SERVER	*SERVER	FLD0000003	Ledger Rev Credit	Measure Calculated	No
*SERVER	*SERVER	FLD0000004	Transaction Debit	Measure Calculated	No
*SERVER	*SERVER	FLD0000002	Transaction Credit	Measure Calculated	No
*SERVER	*SERVER	FLD0000009	Transaction Posting	Measure Calculated	No
GACCENTRY	GACCENTRY	CAT_0	Journal Category	Dimension	No
GACCENTRYD	GACCENTRYD	SNS_0	Sign	Measure	No
*SERVER	*SERVER	FLD00000017	Global Debit	Measure Calculated	No
*SERVER	*SERVER	FLD00000016	Global Credit	Measure Calculated	No
*SERVER	*SERVER	FLD00000015	Global Posting	Measure Calculated	No

4.5 SQL Views

No SQL Views are required for this process.

4.6 Prompts

List of required prompts for this process:

Name
Ledger Type
Ledger
Chart Of Account
Company
Fiscal Year

Fiscal Period
Partner
Customer
GL Account
Facility (Site)
Financial Statistical Group 1
Financial Statistical Group 2
Financial Statistical Group 3
Financial Statistical Group 4
Financial Statistical Group 5
Financial Statistical Group 6
Financial Statistical Group 7
Financial Statistical Group 8
Financial Statistical Group 9
Document Type

4.7   Calculated fields

Field	Description	Type	Prompt	Expression
FLD0000007	Quarter	Dimension	No	(CASE when GACCENTRY.PER_0 In(1,2,3) THEN 'Q1' WHEN GACCENTRY.PER_0 In(4,5,6) THEN 'Q2' WHEN GACCENTRY.PER_0 In(7,8,9) THEN 'Q3' WHEN GACCENTRY.PER_0 In(10,11,12) THEN 'Q4' END)
FLD0000013	Reporting Code 1	Dimension	No	Case When GACCOUNT.RPTCODDEB_0 <> '' then GACCOUNT.RPTCODDEB_0 else GACCOUNT.RPTCODCDT_0 End
FLD0000008	Accounting Date (Alpha)	Dimension	No	Cast(GACCENTRYD.ACCDAT_0 AS Varchar(12))
FLD0000001	Ledger Debit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = 1 then CASE WHEN GACCENTRYA.AMTLED_0 IS Not NULL THEN GACCENTRYA.AMTLED_0 * (GACCENTRYD.SNS_0) ELSE GACCENTRYD.AMTLED_0 * (GACCENTRYD.SNS_0) END else 0 END
FLD0000006	Ledger Credit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = -1 then CASE WHEN GACCENTRYA.AMTLED_0 IS Not NULL THEN GACCENTRYA.AMTLED_0 * (GACCENTRYD.SNS_0) ELSE GACCENTRYD.AMTLED_0 * (GACCENTRYD.SNS_0) END else 0 END
FLD0000011	Ledger Posting	Measure Calculated	No	CASE WHEN GACCENTRYA.AMTLED_0 IS Not NULL THEN GACCENTRYA.AMTLED_0 * (GACCENTRYD.SNS_0) ELSE GACCENTRYD.AMTLED_0 * (GACCENTRYD.SNS_0) END
FLD0000003	Ledger Rev Credit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = - 1 then CASE WHEN GACCENTRYA.AMTLED_0 IS Not NULL THEN GACCENTRYA.AMTLED_0 * (GACCENTRYD.SNS_0)*-1 ELSE GACCENTRYD.AMTLED_0 * (GACCENTRYD.SNS_0)*-1 END else 0 END
FLD0000004	Transaction Debit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = 1 then CASE WHEN GACCENTRYA.AMTCUR_0 IS Not NULL THEN GACCENTRYA.AMTCUR_0 * (GACCENTRYD.SNS_0) ELSE GACCENTRYD.AMTCUR_0 * (GACCENTRYD.SNS_0) END else 0 END
FLD0000002	Transaction Credit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = -1 then CASE WHEN GACCENTRYA.AMTCUR_0 IS Not NULL THEN GACCENTRYA.AMTCUR_0 * (GACCENTRYD.SNS_0) ELSE GACCENTRYD.AMTCUR_0 * (GACCENTRYD.SNS_0) END else 0 END

FLD0000009	Transaction Posting	Measure Calculated	No	CASE WHEN GACCENTRYA.AMTCUR_0 IS Not NULL THEN GACCENTRYA.AMTCUR_0 * (GACCENTRYD.SNS_0) ELSE GACCENTRYD.AMTCUR_0 * (GACCENTRYD.SNS_0) END
FLD00000017	Global Debit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = 1 then CASE WHEN GACCENTRYA.AMTCUR_0 IS Not NULL THEN GACCENTRYA.AMTCUR_0 * (GACCENTRYD.SNS_0)*ZTABCHANGE.RAT_0 ELSE GACCENTRYD.AMTCUR_0 * (GACCENTRYD.SNS_0)*ZTABCHANGE.RAT_0 END else 0 END
FLD00000016	Global Credit	Measure Calculated	No	CASE WHEN GACCENTRYD.SNS_0 = -1 then CASE WHEN GACCENTRYA.AMTCUR_0 IS Not NULL THEN GACCENTRYA.AMTCUR_0 * (GACCENTRYD.SNS_0)*ZTABCHANGE.RAT_0 ELSE GACCENTRYD.AMTCUR_0 * (GACCENTRYD.SNS_0)*ZTABCHANGE.RAT_0 END else 0 END
FLD00000015	Global Posting	Measure Calculated	No	CASE WHEN GACCENTRYA.AMTCUR_0 IS Not NULL THEN GACCENTRYA.AMTCUR_0 * (GACCENTRYD.SNS_0)*ZTABCHANGE.RAT_0 ELSE GACCENTRYD.AMTCUR_0 * (GACCENTRYD.SNS_0)*ZTABCHANGE.RAT_0 END

4.8   Notes:

Quantity fields in this process must be handled with caution. They have been summed up in order to appear in grouped lines; however, the values will only be significant if the sums are done on the same units.

When working with data in a multi-company and/or multi-currency data environment, some fine tuning is necessary. The fields containing prices and other numbers that are related to a particular currency are gathered as they are entered at the transaction level. Adjustments may be needed to compare different currencies, such as applying rates to bring all data to the same currency.