

Budget Analysis

SEI Templates Functional Specification

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1 Revision history

Date	Who	Description
2013/07/17	Johann Salas	Document creation
2013/07/09	Edgardo Mejia	Document Update

2 Business need

The Budget Analysis process provides with useful fields to manipulate data around the budget transactions. Statistics such as the Budget contains the amounts of each department per period and fiscal year, 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
BUD_ACT	BUD_ACT	Fact Table
COMPANY	COMPANY	Table
GACCOUNT	GACCOUNT	Table
FACILITY	FACILITY	Table
BPARTNER	BPARTNER	Table
APLSTD	APLSTD	Table
AEXTRA	AEXTRA	Table
AEXTRA	AEXTRA_1	Table
AEXTRA	AEXTRA_2	Table
AEXTRA	AEXTRA_3	Table
AEXTRA	AEXTRA_4	Table
AEXTRA	AEXTRA_5	Table
AEXTRA	AEXTRA_6	Table
AEXTRA	AEXTRA_7	Table

4.2 Joins between tables

From Table Name	From Table Alias	Type of Join	Linked Table	Linked Alias	Join
BUD_ACT	BUD_ACT	Left	COMPANY	COMPANY	BUD_ACT.CPY_0 = COMPANY.CPY_0
BUD_ACT	BUD_ACT	Left	GACCOUNT	GACCOUNT	BUD_ACT.ACC_0 = GACCOUNT.ACC_0
BUD_ACT	BUD_ACT	Left	FACILITY	FACILITY	BUD_ACT.FCY_0 = FACILITY.FCY_0
BUD_ACT	BUD_ACT	Left	BPARTNER	BPARTNER	BUD_ACT.BPR_0 = BPARTNER.BPRNUM_0
BUD_ACT	BUD_ACT	Left	APLSTD	APLSTD	BUD_ACT.LEDTYP_0 = APLSTD.LANUM_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA	BUD_ACT.CCE_0 = AEXTRA.IDENT2_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_1	BUD_ACT.DIE_0 = AEXTRA_1.IDENT1_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_2	BUD_ACT.CCE_1 = AEXTRA_2.IDENT2_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_3	BUD_ACT.DIE_1 = AEXTRA_3.IDENT1_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_4	BUD_ACT.CCE_2 = AEXTRA_4.IDENT2_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_5	BUD_ACT.DIE_2 = AEXTRA_5.IDENT1_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_7	BUD_ACT.LED_0 = AEXTRA_7.IDENT1_0
BUD_ACT	BUD_ACT	Left	AEXTRA	AEXTRA_6	BUD_ACT.COA_0 = AEXTRA_6.IDENT1_0

4.3 Specific Joins

Linked Alias	Linked Field	Operator	Specific Value
APLSTD	LANCHP_0	Equal	2644
APLSTD	LANUM_0	Greaterthan	0
APLSTD	LAN_0	Equal	@CurrentLang;
AEXTRA	CODFIC_0	Equal	'CACCE'
AEXTRA	ZONE_0	Equal	'DESTRA'
AEXTRA	LANGUE_0	Equal	@CurrentLang;
AEXTRA_3	CODFIC_0	Equal	'GLED'
AEXTRA_3	ZONE_0	Equal	'DESTRA'
AEXTRA_3	LANGUE_0	Equal	@CurrentLang;
AEXTRA_4	CODFIC_0	Equal	'GCOA'
AEXTRA_4	ZONE_0	Equal	'DESTRA'
AEXTRA_4	LANGUE_0	Equal	@CurrentLang;
AEXTRA_5	CODFIC_0	Equal	'GACCOUNT'
AEXTRA_5	ZONE_0	Equal	'DESTRA'
AEXTRA_5	LANGUE_0	Equal	@CurrentLang;
AEXTRA_7	CODFIC_0	Equal	'BUDPAR'
AEXTRA_7	ZONE_0	Equal	'DESTRA'
AEXTRA_7	LANGUE_0	Equal	@CurrentLang;
AEXTRA_6	CODFIC_0	Equal	'TABCUR'
AEXTRA_6	ZONE_0	Equal	'INTDES'
AEXTRA_6	LANGUE_0	Equal	@CurrentLang;

4.4 Fields

Table	Alias	Field	Description	Type	Prompt
BUD_ACT	BUD_ACT	BUD_0	Budget Code	Dimension	Yes
AEXTRA	AEXTRA_7	TEXTE_0	Budget Description	Description	No
BUD_ACT	BUD_ACT	VER_0	Budget Version	Dimension	Yes
BUD_ACT	BUD_ACT	CPY_0	Company Code	Dimension	Yes
COMPANY	COMPANY	CPYNAM_0	Company Description	Description	No

BUD_ACT	BUD_ACT	FCY_0	Site Code	Dimension	Yes
FACILITY	FACILITY	FCYNAM_0	Site Description	Description	No
BUD_ACT	BUD_ACT	FIY_0	Fiscal Year	Dimension	Yes
BUD_ACT	BUD_ACT	PER_0	Fiscal Period	Dimension	Yes
BUD_ACT	BUD_ACT	ACC_0	GL Account Code	Dimension	Yes
AEXTRA	AEXTRA_5	TEXTE_0	GL Account Description	Description	No
BUD_ACT	BUD_ACT	BPR_0	Business Partner Code	Dimension	Yes
BPARTNER	BPARTNER	BPRNAM_0	Business Partner Name	Description	No
BUD_ACT	BUD_ACT	CURLED_0	Ledger Currency Code	Dimension	Yes
AEXTRA	AEXTRA_6	TEXTE_0	Ledger Currency Description	Description	No
BUD_ACT	BUD_ACT	LED_0	Ledger Code	Dimension	Yes
AEXTRA	AEXTRA_3	TEXTE_0	Ledger Description	Description	No
BUD_ACT	BUD_ACT	COA_0	Chart of Account Code	Dimension	Yes
AEXTRA	AEXTRA_4	TEXTE_0	Chart of Account Description	Description	No
BUD_ACT	BUD_ACT	LEDTYP_0	Ledger Type Code	Dimension	Yes
APLSTD	APLSTD	LANMES_0	Ledger Type Description	Description	No
BUD_ACT	BUD_ACT	CCE_0	Analytical Dimension 0 Code	Dimension	Yes
AEXTRA	AEXTRA	TEXTE_0	Analytical Dimension 0 Description	Description	No
BUD_ACT	BUD_ACT	CCE_1	Analytical Dimension 1 Code	Dimension	Yes
AEXTRA	AEXTRA_1	TEXTE_0	Analytical Dimension 1 Description	Description	No
BUD_ACT	BUD_ACT	CCE_2	Analytical Dimension 2 Code	Dimension	Yes
AEXTRA	AEXTRA_2	TEXTE_0	Analytical Dimension 2 Description	Description	No
BUD_ACT	BUD_ACT	DIE_0	Dimension 0	Dimension	No
BUD_ACT	BUD_ACT	DIE_1	Dimension 1	Dimension	No
BUD_ACT	BUD_ACT	DIE_2	Dimension 2	Dimension	No
BUD_ACT	BUD_ACT	BUDGET	Budget	Measure	No
BUD_ACT	BUD_ACT	AMOUNT	Actual Amount	Measure	No
*SERVER	*SERVER	FLD0000001	Var Amount	Measure Calculated	No
*SERVER	*SERVER	FLD0000002	Var %	Measure Calculated	No
GACCOUNT	GACCOUNT	RPTCODDEB_0	Reporting codes 0	Dimension	No

4.5 Calculated fields

Field	Description	Type	Prompt	Expression
FLD0000001	Var Amount	Measure Calculated	No	BUD_ACT.BUDGET-BUD_ACT.AMOUNT
FLD0000002	Var %	Measure Calculated	No	case when BUD_ACT.BUDGET <> 0 then BUD_ACT.AMOUNT / BUD_ACT.BUDGET else 0 end

4.6 SQL Views

List of required views for this process:

- BUD_ACT

For detailed information about the views, please refer to the provided installation script

4.7 Prompts

List of required prompts for this process:

Name
Budget

Budget Version
Company
Facility (Site)
Fiscal Year
Fiscal Period
GL Account
Partner
Currency
Ledger
Chart Of Account
Ledger Type
Financial Statistical Group 1
Financial Statistical Group 2
Financial Statistical Group 3

4.8 Recommended Links

Budget Entry can be linked to the following processes:

- GL Transaction Details with the field: ACC_0

4.9 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.