

## RESOLUTION OF PRACTICAL CASES WITH EXPERTIZERS – CASE EUROTOP STEP 2



Case EUROTOP proposed by Stéphane TREBUCQ Lecturer - IAE of Bordeaux

Master 2 DFCGAI (Financial Management, Management Control and Internal Audit)

Solution written by Didier RICHE, developer and publisher of the software

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# EUROTOP\_2 : Creation of model

## ■ Purpose of model:

- Calculate the resources consumed by the invoices in the work unit chosen for each activity.
- Taking up the costs calculated in Step 1, assign invoices to the prorated cost per invoice / activity.
- Presenting the results to easily perform all profitability analysis by customers and products.

## ■ Estimated time to learn: one hour, including reading of the case and recomposition assimilation

## ■ Prior functional, ie your value as a consultant management controller :

- Having identified and retained the work units, the most relevant in each activity
- The isolation of criteria in the information system for the calculation of work units used; otherwise use to model your ideal and then discuss your needs with the IT team to obtain as soon as possible
- Having this data available in an extract file system information or a test file prepared manually in a spreadsheet

## ■ This case EUROTOP (steps 1 and 2) does not need to use the branch 'operations'. Process definition will be discussed and used in the case 'example.ex1'

## ■ To achieve, you go back from a copy of blank model\_v1.ex1

- Refer to page 3 (Eurotop step 1). This time creating the model my\_eurotop\_2.ex1

## ■ Note:

- The invoicing data of the case EUROTOP are aggregated. One can well imagine that receiving complete invoices, the software can produce profitability for each line of invoice.



# EUROTOP\_2 : File description of events 'data from invoicing'

CONTEXT								ACTION / COMMENTS																																																																																																																																																									
<p>You will describe the structure of invoicing data prepared in the file eurotop_factures.txt (c: \ Expertizers \import)</p> <table border="1"> <thead> <tr> <th>Entity</th> <th>Period</th> <th>Product_code</th> <th>Event_code</th> <th>Client_code</th> <th>Pays</th> <th>Quantity_init</th> <th>Caht</th> </tr> </thead> <tbody> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_FR_1</td><td>CLIENT_1</td><td>FR</td><td>2100</td><td>15783,6</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_FR_2</td><td>CLIENT_2</td><td>FR</td><td>1400</td><td>5918,85</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_FR_4</td><td>CLIENT_4</td><td>FR</td><td>1800</td><td>9864,75</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_FR_5</td><td>CLIENT_5</td><td>FR</td><td>1400</td><td>3945,9</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_BE</td><td>CLIENT_BE</td><td>BE</td><td>120</td><td>6764,4</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_DE</td><td>CLIENT_DE</td><td>DE</td><td>100</td><td>5073,3</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>RAYONNAGE</td><td>FAC_CH</td><td>CLIENT_CH</td><td>CH</td><td>1870</td><td>13528,8</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>TRANSPALETTE</td><td>FAC_FR_1</td><td>CLIENT_1</td><td>FR</td><td>280</td><td>15783,6</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>TRANSPALETTE</td><td>FAC_FR_2</td><td>CLIENT_2</td><td>FR</td><td>500</td><td>5918,85</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>TRANSPALETTE</td><td>FAC_FR_3</td><td>CLIENT_3</td><td>FR</td><td>1620</td><td>11837,7</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>TRANSPALETTE</td><td>FAC_FR_4</td><td>CLIENT_4</td><td>FR</td><td>300</td><td>9864,75</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>TRANSPALETTE</td><td>FAC_DE</td><td>CLIENT_DE</td><td>DE</td><td>2000</td><td>5073,3</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>TRANSPALETTE</td><td>FAC_LU</td><td>CLIENT_LU</td><td>LU</td><td>600</td><td>3382,2</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>PRESTATION</td><td>FAC_FR_1</td><td>CLIENT_1</td><td>FR</td><td></td><td>1452</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>PRESTATION</td><td>FAC_FR_2</td><td>CLIENT_2</td><td>FR</td><td></td><td>1452</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>PRESTATION</td><td>FAC_FR_3</td><td>CLIENT_3</td><td>FR</td><td></td><td>1452</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>PRESTATION</td><td>FAC_FR_4</td><td>CLIENT_4</td><td>FR</td><td></td><td>1452</td></tr> <tr><td>EUROTOP</td><td>2004</td><td>PRESTATION</td><td>FAC_FR_5</td><td>CLIENT_5</td><td>FR</td><td></td><td>1452</td></tr> </tbody> </table>								Entity	Period	Product_code	Event_code	Client_code	Pays	Quantity_init	Caht	EUROTOP	2004	RAYONNAGE	FAC_FR_1	CLIENT_1	FR	2100	15783,6	EUROTOP	2004	RAYONNAGE	FAC_FR_2	CLIENT_2	FR	1400	5918,85	EUROTOP	2004	RAYONNAGE	FAC_FR_4	CLIENT_4	FR	1800	9864,75	EUROTOP	2004	RAYONNAGE	FAC_FR_5	CLIENT_5	FR	1400	3945,9	EUROTOP	2004	RAYONNAGE	FAC_BE	CLIENT_BE	BE	120	6764,4	EUROTOP	2004	RAYONNAGE	FAC_DE	CLIENT_DE	DE	100	5073,3	EUROTOP	2004	RAYONNAGE	FAC_CH	CLIENT_CH	CH	1870	13528,8	EUROTOP	2004	TRANSPALETTE	FAC_FR_1	CLIENT_1	FR	280	15783,6	EUROTOP	2004	TRANSPALETTE	FAC_FR_2	CLIENT_2	FR	500	5918,85	EUROTOP	2004	TRANSPALETTE	FAC_FR_3	CLIENT_3	FR	1620	11837,7	EUROTOP	2004	TRANSPALETTE	FAC_FR_4	CLIENT_4	FR	300	9864,75	EUROTOP	2004	TRANSPALETTE	FAC_DE	CLIENT_DE	DE	2000	5073,3	EUROTOP	2004	TRANSPALETTE	FAC_LU	CLIENT_LU	LU	600	3382,2	EUROTOP	2004	PRESTATION	FAC_FR_1	CLIENT_1	FR		1452	EUROTOP	2004	PRESTATION	FAC_FR_2	CLIENT_2	FR		1452	EUROTOP	2004	PRESTATION	FAC_FR_3	CLIENT_3	FR		1452	EUROTOP	2004	PRESTATION	FAC_FR_4	CLIENT_4	FR		1452	EUROTOP	2004	PRESTATION	FAC_FR_5	CLIENT_5	FR		1452	<ol style="list-style-type: none"> <li>1 Create variables client_code, pays (country in english) and caht (turnover in english) in the section 'event file description' in the column order of the file (Take the example shown in the frame below).</li> <li>2. Create EUROTOP entity (already learned sic step 1).</li> <li>3. Load the file (already learned sic step 1)</li> <li>4. Generate checklists for variables product_code, client_code, pays (utilities / Create control value lists)</li> <li>5. Create activities COMMERCIALISER, STOCKER, ACHETER, ORGANISER_STOCKAGE, MONTER_REPARER, ACHAT_MP_TRANSPAL, ACHAT_MP_RAYON. <b>Just type the code and Validate.</b></li> </ol>	
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Event file description

Variable Code	Fixed	Variable Name	Format	Tot.Length	Decim	Batch	Quot	R.T	Col	Values to Control	Upper
entity	X		varchar	20	0F	F		0		EUROTOP/	U
period	X		varchar	10	0F	F		0			
product_code	X		varchar	20	0F	F		0		RAYONNAGE/TRANSPALETTE/PRESTATION/	
event_code	X		varchar	20	0F	F		0			
client_code			varchar	12	0F	F		0		CLIENT_1/CLIENT_2/CLIENT_3/CLIENT_4/CLIENT_5/	
pays			varchar	2	0F	F		0		FR/BE/LU/DE/CH/	
quantity_init			numeric	16	3F	F		0			
caht			numeric	18	2F	F		0			



# EUROTOP\_2 : the characteristics of the case

To resolve the case, here is the data that we are imposed:

- The cost of activity **COMMERCIALISER** is distributed according to a percentage by customer:
  - CLIENT\_1 20 % CLIENT\_2 12% CLIENT\_3 8% CLIENT\_4 5% CLIENT\_5 3% CLIENT\_BE 15% CLIENT\_DE 12 % CLIENT\_CH 15 % CLIENT\_LU 10 %
- The cost of activity **ACHETER** and **ORGANISER\_STOCKAGE** is distributed according to a percentage by product.
  - **ACHETER** : RAYONNAGE 30% TRANSPALLETTE 70% PRESTATION 0%
  - **ORGANISER\_STOCKAGE**: RAYONNAGE 20% TRANSPALLETTE 80% PRESTATION 0%
- As same customer and same product are present on several invoicing lines, It is necessary to calculate the total cost for each, and then spread it over their respective lines in proportion to either the quantity or the turnover.
- As the case does not specify either the choice or whether these two work units are relevant, we will arbitrarily use quantities as a reference.
- Other activities have very simple work units: quantity and constant 1 (to count the lines)
- Profitability must be analyzed on the France / Export criteria. However, the information system does not support this concept, but it can be inferred from the country.



# EUROTOP\_2 : How to respond to with Expertizers

CONTEXT	ACTION / COMMENTS
Need to create a table of Customer /% allocation of the cost of the activity COMMERCIALISER	Use the function: Utilities / Create decode variable. Create the variable ratio_cial_client. See next page.
Report in each line the total quantity by customer and by product to express in each line the quantity in percentage terms.	Use the function: Utilities / Sum_variables . To create variables sum_qty_by_client and sum_qty_by_produit see next pages.
Need to create a variable 'region' with a rule that feeds values FRANCE / EXPORT	Create the variable region. See next pages.
Need to type the rules of consumption work units selected for each activity	<p>COMMERCIALISER = Excluding product 'PRESTATION', % of the cost to be assigned to each customer. Since the same client may have more one line, the cost will be sprinkled in proportion to each quantity on each line.</p> <p>STOCKER = quantities sold, excluding product 'PRESTATION'.</p> <p>ACHETER, ORGANISER_STOCKAGE = Excluding product 'PRESTATION', % of the cost to be assigned to each product. Since the same product may have more one line, the cost will be sprinkled in proportion to each quantity on each line.</p> <p>MONTER_REPARER = Produit only 'PRESTATION', number of lines.</p> <p>ACHAT_MP_TRANSPAL = number of quantities sold 'TRANSPALETTE'.</p> <p>ACHAT_MP_RAYON = number of quantities sold 'RAYONNAGE'.</p>



# EUROTOP\_2 : Create a Decode variable

**Create decode variables**

Choose the variable at the origin of decode.  
Existing control list of values will make the procedure faster.

client\_code

Where to create decode variables

In working storage area (default)

Automatic variable assignment of decode list

list\_1

Give name (max 20c) to Variable containing the result of decode.  
example: country\_ratio

ratio\_cial\_client

Choose its format

numeric

For varchar format specify maximum length

NB: Numeric variable beginning with pct\_ will generate automatic ratio (individual value / total values)

OK Cancel

**List of values**

Object in process : client\_code

Sequence	client_code values	to decode in numeric value
1	CLIENT_1	20
2	CLIENT_2	12
3	CLIENT_3	8
4	CLIENT_4	5
5	CLIENT_5	3
6	CLIENT_BE	15
7	CLIENT_DE	12
8	CLIENT_CH	15
9	CLIENT_LU	10
10		
11		
12		
13		

Validate OK Cancel

The function automatically generated two variables in 'working storage section'. To change the list and ratios position on list\_1 and right mouse click, Update option, then button 'Update decode list'. To use the ratios in the rules, use only the variable ratio\_cial\_client. Leave absolutely the two variables in this sequence of sorting. Removing list\_1 results in the deletion of both variables. We will see later the 'rarely' interest to create rather decode variables under the 'Event file entry description' section.

list_1	//client_code/ varchar	130	0	list_1 = '%CLIENT_1= 20/CLIENT_2= 12/CLIENT_3= 8/CLIENT_4= 5/CLIENT_5= 3/CLIENT_BE= 15/CLIENT_DE= 12/CLIENT_CH= 15/CLIENT_LU= 10/'
ratio_cial_client	decode(client_numeric	12	4	ratio_cial_client= CONVERT(numeric,IF LOCATE(list_1,''+client_code + '=,1)' > 0 and LOCATE(list_1,'',LOCATE(list_1,client_code + '=,1)) > 0 then TRIM(SUBSTR(list_1,LOCATE(list_1,''+client_code + '=,1) + Length(client_code) + 2 ,LOCATE(list_1,'',LOCATE(list_1,client_code + '=,1)) - LOCATE(list_1,''+client_code + '=,1) - length(client_code) - 2 )) else 0 endif)

Any other value, not defined in the list, takes the decoded value 0 or '?' depending on format type (0 numeric, '?' varchar). However you can force this default by adding a line of value (? In left column) and give the desired value (in right column). Warning: this last option is available during decode creation, not in update.



# EUROTOP\_2 : Create a sum\_ variable

Sum\_ variables fit in 'Event File description entry' section. Placed behind, they can be regarded as additional cells. At the time of treatment they will be calculated by their associated rule (generated automatically)

Entity	Period	Product_code	Event_code	Client_code	Pays	Quantity_init	Caht	sum_qty_by_client	sum_qty_by_product
EUROTOP	2004	RAYONNAGE	FAC_FR_1	CLIENT_1	FR	2100	15783,6	2380	8790
EUROTOP	2004	RAYONNAGE	FAC_FR_2	CLIENT_2	FR	1400	5918,85	1900	8790
EUROTOP	2004	RAYONNAGE	FAC_FR_4	CLIENT_4	FR	1800	9864,75	2100	8790
EUROTOP	2004	RAYONNAGE	FAC_FR_5	CLIENT_5	FR	1400	3945,9	1400	8790
EUROTOP	2004	RAYONNAGE	FAC_BE	CLIENT_BE	BE	120	6764,4	120	8790
EUROTOP	2004	RAYONNAGE	FAC_DE	CLIENT_DE	DE	100	5073,3	2100	8790
EUROTOP	2004	RAYONNAGE	FAC_CH	CLIENT_CH	CH	1870	13528,8	1870	8790
EUROTOP	2004	TRANSPALETTE	FAC_FR_1	CLIENT_1	FR	280	15783,6	2380	5300
EUROTOP	2004	TRANSPALETTE	FAC_FR_2	CLIENT_2	FR	500	5918,85	1900	5300
EUROTOP	2004	TRANSPALETTE	FAC_FR_3	CLIENT_3	FR	1620	11837,7	1620	5300
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EUROTOP	2004	TRANSPALETTE	FAC_LU	CLIENT_LU	LU	600	3382,2	600	5300
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EUROTOP	2004	PRESTATION	FAC_FR_2	CLIENT_2	FR		1452		
EUROTOP	2004	PRESTATION	FAC_FR_3	CLIENT_3	FR		1452		
EUROTOP	2004	PRESTATION	FAC_FR_4	CLIENT_4	FR		1452		
EUROTOP	2004	PRESTATION	FAC_FR_5	CLIENT_5	FR		1452		

the total quantities for each product will allow the calculation of the ratio:  
Quantity\_init / sum\_qty\_by\_product

the total quantities for each customer will allow the calculation of the ratio:  
Quantity\_init / sum\_qty\_by\_client

Chemin d'accès = menu Utilities / sum\_variables

Create or update sum\_variables

sum\_variable code (20 c max)

Numeric data to consolidate

first consolidation level (implicite)

Second consolidation level (compulsary)

Third consolidation level (optional)

Filter 'Where (optional)  
Put cursor on field and press F1 key for help

OK Cancel

- Variable Types
- Event File Entry Description (Updatable)
    - entity
    - period
    - product\_code
    - event\_code
    - client\_code
    - pays
    - quantity\_init
    - caht
    - sum\_qty\_by\_client
  - Cost Activity File Entry Description (Not Updatable)
  - User Internal Variables (Updatable)
  - Variables generated automatically
  - Entity Description

Code:

Name:

Format type:  Length:  Decimals:

Control

Batch:

Quotation:  Change to Upper,lower:

update event\_batch a set sum\_qty\_by\_client= (select sum(quantity\_init) from event\_batch b where a.entity = b.entity and a.client\_code=b.client\_code and ( product\_code <> 'PRESTATION') group by entity,client\_code) where ( product\_code <> 'PRESTATION')

Do the same to create the second variable: sum\_qty\_by\_product.

To update a sum\_variable use the same path: Utilities / Sum\_variables





# EUROTOP\_2 : Create the variable 'region'

Two possibilities to create the variable region:

Inside the 'working storage section' OR inside the 'event file entry description' section

The default rule is to focus on the 'working storage section'; for against, if the variable is intended to serve as a criterion for consolidation of a variable sum\_ (by region for example) or in results for analysis, it must be created in 'file entry event description' section, and placed before the sum\_variable. You must follow this same reasoning with decode variables.

**To write the rule of one variable, you should always create the variable before you can type its rule (so insert the variable, save it, and come back to update it).**

The screenshot displays a software interface for creating a variable. On the left, a tree view under 'Root' shows 'User Internal Variables (Updatable)' expanded, with 'region' selected. On the right, the 'Variable' configuration panel shows the following details:

- Code / Name: region
- Format: varchar
- Length: 7
- Decimals: 0

Below the configuration panel, the rule for the variable is defined as:

```
region = if pays = 'FR' then 'FRANCE' else 'EXPORT' endif
```





# EUROTOP\_2 : Enter the rules for the calculation of work units by activity

Click on each activity and then right click mouse / Update. Use the tutorial as much as possible to benefit from autoFill. Rules of activities COMMERCIALISER, ACHETER and ORGANISER\_STOCKAGE must be protected from division by zero, which explains the tests..

COMMERCIALISER		N	Y	product_code <> 'PRESTATION'	activity_value = (if sum_qty_by_client <> 0 then quantity_init / sum_qty_by_client else 0 endif) * ( ratio_cial_client )
STOCKER		N	Y	product_code <> 'PRESTATION'	activity_value = quantity_init
ACHETER		N	Y	product_code <> 'PRESTATION'	activity_value = (if sum_qty_by_produit <> 0 then quantity_init / sum_qty_by_produit else 0 endif) * ( if product_code = 'RAYONNAGE' then 30 else 70 endif )
ORGANISER_STOCKAGE		N	Y	product_code <> 'PRESTATION'	activity_value = if sum_qty_by_produit <> 0 then quantity_init / ( sum_qty_by_produit * 35 ) else 0 endif * if product_code = 'RAYONNAGE' then 20 else 15 endif
MONTER_REPARER		N	Y	product_code = 'PRESTATION'	activity_value = 1
ACHAT_MP_TRANSPAL		N	Y	product_code = 'TRANSPALETTE'	activity_value = quantity_init
ACHAT_MP_RAYON		Y	Y	product_code = 'RAYONNAGE'	activity_value = quantity_init

**NB:** the test on variable sum\_qty\_by\_client avoids division by zero, which would interrupt the treatment. For clarity, the line could have been worded differently. Condition: product\_code <> 'PRESTATION' and sum\_qty\_by\_client <> 0  
 Activity\_value = (quantity\_init / sum\_qty\_by\_client) \* ratio\_cial\_client

Same for the variable sum\_qty\_by\_produit

Now the model is ready to process invoices



# EUROTOP\_2 : Calculation of work units consumed by invoice line and by activity

Revive the load (Batch side / Event loading / File loader / From flat file) and then coming directly to this screen click on 'Start process' option.

Batch side - Events to process

File Treeview Batch side Quotation side Results Utilities Administration Referenced Data Window Help

Parameters The 18 events

Events to process

Total number : 18

User limitation : 18

Processing time

Started at : 00:00:00 Conditions processed : 0

Finished at : OK : 0

Elapse time : 00:00:00 KO : 0

Progression steps

0 % processed

Menu

Start process

Results

Save in catalog for quotation

After treatment you can return to this tab and verify that the variables `sum_qty_by_client` and `sum_qty_by_produit` have been calculated.




# EUROTOP\_2 : Results of calculations

The work units consumed appear in the column activity\_value. Since there is no rule of cost, activity\_cost column is zero. The column is ready to receive the costs calculated in Step 1, and in the same process costs will be divided in proportion to the units consumed by each line / activity.

File Treeview Batch side Quotation side Results Utilities Administration Referenced Data Window Help

Batch presentation of Activity results



70 activities

Entity	Period	Product Code	Event Code	Activity Code	Activity Nam	Activity Value	Activity Cost
EUROTOP	2004	RAYONNAGE	FAC_FR_1	COMMERCIALISER		17,647	0
EUROTOP	2004	RAYONNAGE	FAC_FR_1	STOCKER		2100,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_1	ACHERER		7,167	0
EUROTOP	2004	RAYONNAGE	FAC_FR_1	ORGANISER_STOCKAGE		0,137	0
EUROTOP	2004	RAYONNAGE	FAC_FR_1	ACHAT_MP_RAYON		2100,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_2	COMMERCIALISER		8,842	0
EUROTOP	2004	RAYONNAGE	FAC_FR_2	STOCKER		1400,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_2	ACHERER		4,778	0
EUROTOP	2004	RAYONNAGE	FAC_FR_2	ORGANISER_STOCKAGE		0,091	0
EUROTOP	2004	RAYONNAGE	FAC_FR_2	ACHAT_MP_RAYON		1400,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_4	COMMERCIALISER		4,286	0
EUROTOP	2004	RAYONNAGE	FAC_FR_4	STOCKER		1800,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_4	ACHERER		6,143	0
EUROTOP	2004	RAYONNAGE	FAC_FR_4	ORGANISER_STOCKAGE		0,117	0
EUROTOP	2004	RAYONNAGE	FAC_FR_4	ACHAT_MP_RAYON		1800,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_5	COMMERCIALISER		3,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_5	STOCKER		1400,000	0
EUROTOP	2004	RAYONNAGE	FAC_FR_5	ACHERER		4,778	0
EUROTOP	2004	RAYONNAGE	FAC_FR_5	ORGANISER_STOCKAGE		0,091	0
EUROTOP	2004	RAYONNAGE	FAC_FR_5	ACHAT_MP_RAYON		1400,000	0
EUROTOP	2004	RAYONNAGE	FAC_BE	COMMERCIALISER		15,000	0
EUROTOP	2004	RAYONNAGE	FAC_BE	STOCKER		120,000	0
EUROTOP	2004	RAYONNAGE	FAC_BE	ACHERER		0,410	0
EUROTOP	2004	RAYONNAGE	FAC_BE	ORGANISER_STOCKAGE		0,008	0
EUROTOP	2004	RAYONNAGE	FAC_BE	ACHAT_MP_RAYON		120,000	0
EUROTOP	2004	RAYONNAGE	FAC_DE	COMMERCIALISER		0,571	0
EUROTOP	2004	RAYONNAGE	FAC_DE	STOCKER		100,000	0
EUROTOP	2004	RAYONNAGE	FAC_DE	ACHERER		0,341	0
EUROTOP	2004	RAYONNAGE	FAC_DE	ORGANISER_STOCKAGE		0,007	0

Menu

- [Export \(presentation as right\)](#)
- [Build events across activities](#)
- [Total \(Period, Activity\)](#)
- [Activity by variable X](#)
- [Total \(Activity\)](#)
- [Activity Batch](#)
- [Activity Batch + data](#)
- [Activity Quotation](#)
- [Operation](#)
- [Object](#)



# EUROTOP\_2 : Loading costs saved in the file res\_total\_activity.txt

The screenshot illustrates the process of loading costs into the EUROTOP\_2 system. It is divided into three main sections:

- Top Left:** A menu navigation path: **Batch side** > **Cost loading & process** > **File loader...**. A sub-menu is open, showing options like **Entity**, **Code**, **Load data list**, and **Error list**. A table below shows data for 'EUROTOP' with columns for 'Entity', 'Code', and '2004 RAYONNAGE'.
- Top Right:** A 'Select File' dialog box. The 'Regarder dans' (Look in) field is set to 'Export'. A file named 'Res\_Total\_activity' is selected. A note states: "Please note the file had been Saved in the **export** directory". The 'Nom du fichier' (File name) field contains 'Res\_Total\_activity' and 'Fichiers de type' (File type) is set to 'Text Files (\*.TXT)'. Buttons for 'Ouvrir' (Open) and 'Annuler' (Cancel) are visible.
- Bottom:** The main application window displays 'Results presented by activity'. A blue banner reads: 'Loading cost procedure results - check cost column before going on next steps'. To the left, there is an icon of a stack of coins labeled '7 costs'. A table lists the loaded activities with their values and costs.

Entity	Period	Activity Code	Activity Value	Activity Cost
EUROTOP		ACHAT_MP_RAYON	8790,000	37643,000
EUROTOP		ACHAT_MP_TRANSPAL	5300,000	46008,000
EUROTOP		ACHERER	99,999	3087,676
EUROTOP		COMMERCIALISER	100,000	10065,394
EUROTOP		MONTER_REPARER	5,000	6810,398
EUROTOP		ORGANISER_STOCKAGE	1,002	3616,620
EUROTOP		STOCKER	14090,000	11128,640





# EUROTOP\_2 : Some explanations on marriage costs and work units by activity

The procedure described in previous page occurs very quickly. It needs to be explained in more detail from a concrete example. Consider the activity COMMERCIALISER.

Cost of COMMERCIALISER  
In the file res\_total\_activity.txt

EUROTOP	COMMERCIALISER	10065,394
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The procedure totals work units consumed by the activity COMMERCIALISER of all invoices (see page 11 and total page 12)

Activity Code	Activity Value
COMMERCIALISER	100,000

The procedure calculates the cost for one work unit:  $10065,394 / 100 = 100,654394$

Then the procedure affects the share amounts to each line (see page 14)

For the line below:  $17,647 * 100,65394 = 1776,240$

Entity	Period	Product Code	Event Code	Activity Code	Activity Name	Activity Value	Activity Cost
EUROTOP	2004	RAYONNAGE	FAC_FR_1	COMMERCIALISER		17,647	1776,240

## Remember:

If the file contains a res\_total\_activity.txt activity that is not in the current model, the procedure delivers a message of error and it interrupts the treatment.

If res\_total\_activity.txt does not contain an activity which is in the current model, the data of the activity are preserved. This relates to direct costs or material costs calculated from activity\_cost rules directly in the current model.



# EUROTOP\_2 : Results by invoice line and by activity

File Treeview Batch side Quotation side **Results** Utilities Administration Referenced Data Window Help

Batch presentation of Activity re

70 activities

**Menu**

- [Export \(presentation as right\)](#)
- [Build events across activities](#)
- [Total \(Period, Activity\)](#)
- [Activity by variable X](#)

Entity	Product Code	Event Code	Activity Code	Activity Name	Activity Value	Activity Cost
EUROTOP	RAYONNAGE	FAC_FR_1	COMMERCIALISER		17,647	1776,240
EUROTOP	RAYONNAGE	FAC_FR_1	STOCKER		2100,000	1658,633
EUROTOP	RAYONNAGE	FAC_FR_1	ACHERER		7,167	221,296
EUROTOP	RAYONNAGE	FAC_FR_1	ORGANISER_STOCKER		0,137	494,488
EUROTOP	RAYONNAGE	FAC_FR_1	ACHAT_MP_RAYON		2100,000	8993,208
EUROTOP	RAYONNAGE	FAC_FR_2	COMMERCIALISER		8,842	889,982
EUROTOP	RAYONNAGE	FAC_FR_2	STOCKER		1400,000	1105,756
EUROTOP	RAYONNAGE	FAC_FR_2	ACHERER		4,778	147,531
EUROTOP	2004 RAYONNAGE	FAC_FR_2	ORGANISER_STOCKER		0,091	328,456
EUROTOP	2004 RAYONNAGE	FAC_FR_2	ACHAT_MP_RAYON		1400,000	5995,472
EUROTOP	2004 RAYONNAGE	FAC_FR_4	COMMERCIALISER		4,286	431,403
EUROTOP	2004 RAYONNAGE	FAC_FR_4	STOCKER		1800,000	1421,686
EUROTOP	2004 RAYONNAGE	FAC_FR_4	ACHERER		6,143	189,678
EUROTOP	2004 RAYONNAGE	FAC_FR_4	ORGANISER_STOCKER		0,117	422,300
EUROTOP	2004 RAYONNAGE	FAC_FR_4	ACHAT_MP_RAYON		1800,000	7708,464
EUROTOP	2004 RAYONNAGE	FAC_FR_5	COMMERCIALISER		3,000	301,962
EUROTOP	2004 RAYONNAGE	FAC_FR_5	STOCKER		1400,000	1105,756
EUROTOP	2004 RAYONNAGE	FAC_FR_5	ACHERER		4,778	147,531
EUROTOP	2004 RAYONNAGE	FAC_FR_5	ORGANISER_STOCKER		0,091	328,456
EUROTOP	2004 RAYONNAGE	FAC_FR_5	ACHAT_MP_RAYON		1400,000	5995,472



# EUROTOP\_2 : Sample analysis by customer

**Data consolidation**

Choose variables for data consolidation:

First level: client\_code

Second level (facultative):

By activity

OK Cancel

---

**Activity by client\_code N**

9 totals activities

Event BatchEntity	nt BatchClient	Activity Value	Activity Cost	Caht	Quantity Init
EUROTOP	CLIENT_1	4792,025	17591,745	33019,20	2380,000
EUROTOP	CLIENT_2	3824,513	15230,720	13289,70	1900,000
EUROTOP	CLIENT_3	3270,527	18643,130	13289,70	1620,000
EUROTOP	CLIENT_4	4216,246	14657,613	21181,50	2100,000
EUROTOP	CLIENT_5	2808,869	9241,257	5397,90	1400,000
EUROTOP	CLIENT_BE	255,418	2160,021	6764,40	120,000
EUROTOP	CLIENT_CH	3761,504	11632,425	13528,80	1870,000
EUROTOP	CLIENT_DE	4238,925	22092,374	10146,60	2100,000
EUROTOP	CLIENT_LU	1217,974	7110,449	3382,20	600,000

Event BatchEntity	Event Batch	Activity Value	Activity Cost	Caht	Quantity Init
EUROTOP	EUROTOP	28386,001	118366,000	120000,00	14090,000

Menu: Export (presentation as right)

You have matrices results of pre-calculations developed and now graphic representations.

All matrices are directly exportable formats TXT and XLS for release immediate individual (spreadsheet) for a collective use within bases infocenter (business intelligence)

Totals at the entity EUROTOP

Export format xls or txt

