

# BW RTR - 1CP Stock Margin Elimination - Load flat files BW

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## General presentation

### Objective of the application








The objective is to load in a BW flow flat files resulting from an extraction of the Stock Margin Elimination query at defined moments. We want to keep a picture at a time T of the data.

Specification link :

### Usage information

### History

The decommissioning data flow structure (UPIS) was used for this project.

▼  UPIS - Data	CRCOPA21
▼  TRFN: DBCOPA17 -> CRCOPA21	0TN1OPCIXNXW4JZDLL0C
▼   UPIS - Data	DBCOPA17
▼  TRFN: DPCOPA04 -> DBCOPA17	0KGGXXVDA91AIF3QZAMZ8
▶   UPIS - Data w/Program	DPCOPA04

## 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

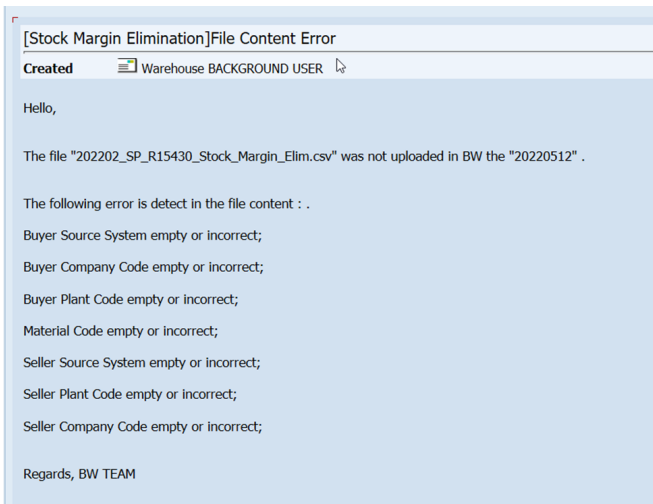
### Program ZBW\_FI\_1CP\_STOCKMARGIN



- The program permit to load via a process chain the different files available in AL11
- The number of file loading is depending of file available by **GBU and MONTH**. The month loaded is depending of a parameter in Global Filter Master Data with default value the previous month. The file on the previous month are deposited on the BW server on the begin of the current month. After the file content check (view bellow) each file is load one by one in the propagation ODS DPCOPA04. One time all the available file are loaded, the BW data flow is started.
- For each file, if the file is already loaded in ODS DPCOPA04 (for example the previous day) and that the file has not be updated in BW AL11 then we will not process a new loading.
- In case on file is inconsistent, we continue to load the other file
- For each new file loading, we writing a log with some metadata in the ODS DPCOPA08

### Email send in case of error

If there are any errors when checking the contents of each file, we will send an email with a quick description of the various inconsistencies. **The file will be not loaded** into BW and the old data will be kept if the file is already loaded, otherwise we will have no data for that month/gbu. The same email will be sent in the new loading phase (Day +1) if the file has not been corrected



## Selective deletion

In case the file for the month and GBU is already load in the ODS and the update date on AL11 is **higher** than this loading then we remove by selective deletion the old file.

## BW Providers

UPIS - Data	CRCOPA21
TRFN: DBCOPA17 -> CRCOPA21	0TN1OPCIXNXW4JZDLL0
UPIS - Data	DBCOPA17
TRFN: DPCOPA04 -> DBCOPA17	0KGXXVDA91AIF3QZAMZ
UPIS - Data w/Program	DPCOPA04
TRFN: DTS_DPCOPA04_0001	0P3SJSQ4HDC7TNF79S5C
UPIS Data	DTS_DPCOPA04_0001

- Propagation Layer : DPCOPA04
- Business Layer : DBCOPA17
- Cube Provider : CRCOPA21
- Multi Provider : MVCOPA01
- Queries : BW\_QRY\_MVCOPA01\_0030 & QV\_BW\_QRY\_MVCOPA01\_0002
- Flat file Log ODS : DBCOPA08

## Master Data C\_GLBFLT - Global Filter

Global Filter Stream (Application)	"Global Filter Rule"	"Global Filter"	Global Filter Active	Global Filter Description	Global Filter Hight Value	Global Filter Low Value	Global Filter Option	Global Filter Sign
UPIS	FF_DATA	1	Y	Input filename for ZBW_FI_1CP_STOCKMARGIN program		INIT	EQ	I
UPIS	FF_DATA	2	Y	EMAIL Recipient Receiver Name		To be define	EQ	I
UPIS	FF_DATA	3	Y	Flat File Month (Empty = SY-DATUM-1)			EQ	I

- UPIS/FF\_DATA/001 : allows to manage the flat file path. This technical entry is update directly by program
- UPIS/FF\_DATA/002 : allows to manage the user to send an email with the flat file content log error
- UPIS/FF\_DATA/003 : allows to manage the recovery period to load. In the normal process the value have to be empty

## Functional and Technical rules

### Rules & Explanations

### Flat Files upload rules

Flat files have to upload each month (Data of previous month) in BW AL11 via WebMethod application

- File name is proposed to be YYYYMM\_XX\_R15430\_Stock\_Margin\_Elim.csv
- We have only one file uploaded by month and GBU
- BW directory : **/exploit/BW/PandL/**
- In case the file of the month has to be corrected, the old file on the BW server has to be replaced by the corrected file. In BW Query, the old upload will be deleted and replaced by the new file content.

Example:

YYYYMM = YYYY Fiscal year (ex. 2022) MM = month (ex. 01)

XX = BFC GBU code (ex. CS) YYYY Fiscal year (ex. 2022) PP = month (ex. 01)

## Flat Files content Rules

- The structure of the files will never be modified (same column, same order).
- No data column can be empty
- All information (GBU, BFC activity ...) must exist in the BW master data.
- The column 0CALMONTH must be equal to the month in flat file title

If any of the conditions below are not met, the file will not be uploaded to the BW data stream and an email will be sent with an error summary.

## Dependencies with other applications

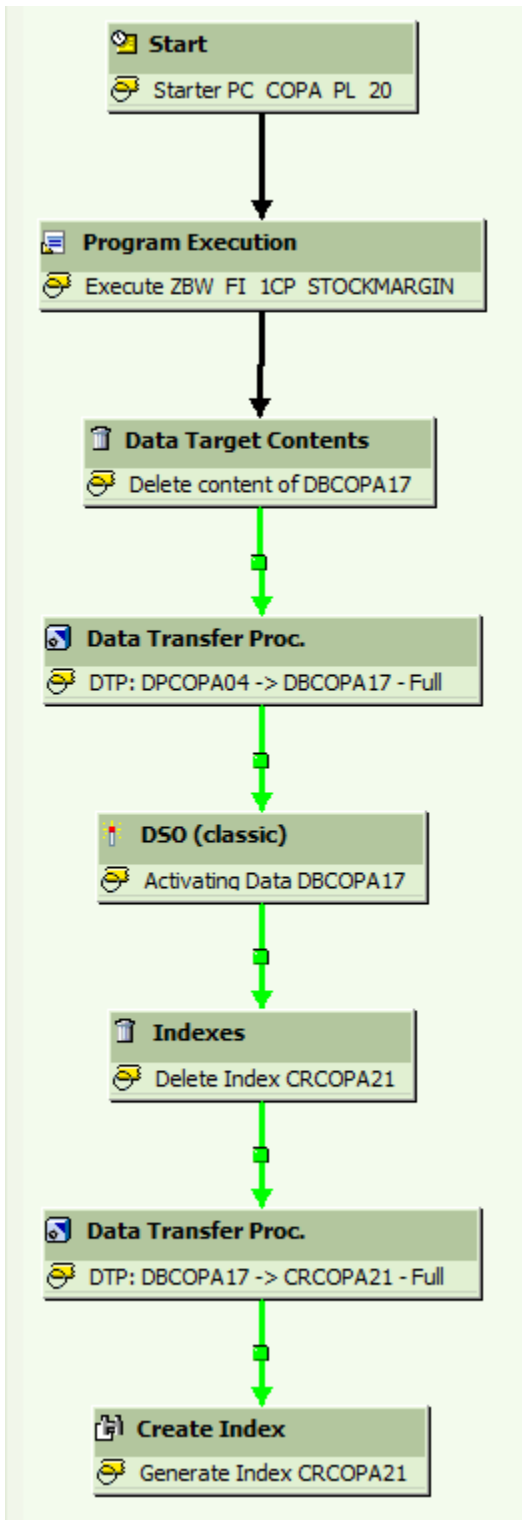
WebMethod application.

## Data loadings

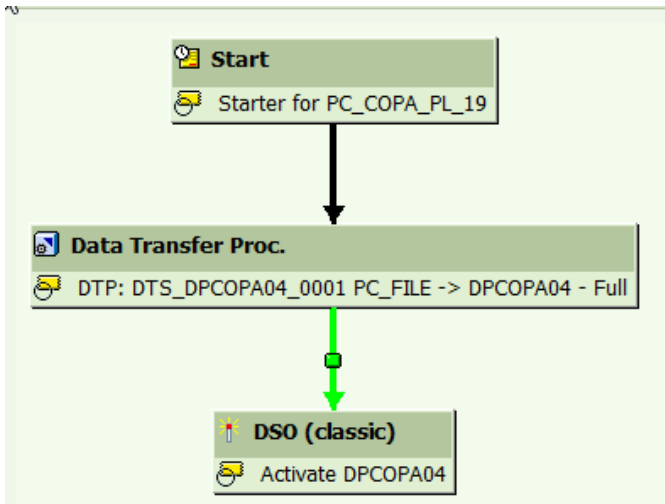
### Info providers and objects loaded

### Process Chain

PC\_COPA\_PL\_20 / UPIS: TD : Main Process Chain



PC\_COPA\_PL\_19 / UPIS: Upload UPIS Data : Process Chain called by program in PC PC\_COPA\_PL\_20



Loading frequency

Daily

Average performance

Record Keeping

Reporting

Queries End User Documentation

Main queries

Main functionalities

Broadcast

Maintenance

Known bugs

Recovery procedure

### Load a specific month

It is possible to load files from previous months. To do this you just need to change the parameter UPIS/FF\_DATA/003 in the Master Data C\_GBLFILT.

For example if you want to load the file named "202201\_SP\_R15430\_Stock\_Margin\_Elim.csv" you have to put the value "202201" in the Global Filter Low Value and run the process chain. All the flat file with name contain "202201" will be load.

### Correct a specific file

In the case where a file in the past wants to be recovered or modified, it is necessary to apply the procedure above.

For each file uploaded (depending on the month), if the file has been modified on the AL11 directory (modification date) more recently than the last upload in the propagation ODS then

- The old load will be deleted from propagation ODS via selective suppression on month/gbu
- The new file will be load in propagation ODS
- The other provider (Business layer , cube) will be update in full mode.

## Planned Evolution