

Balances Export

Contents

INTRODUCTION	2
CHAPTER 1. PARAMETERS FOR PIPE "RBS. BALANCES EXPORT.DLL"	3
CHAPTER 2. OUTGOING FILE FORMAT	5

Introduction

Way4™ allows balances (the amount remaining in contract accounts) to be exported to the banking system. Balance export is supported through pipe RBS. Balances Export.dll.

The export process creates a set of files in the outgoing mail directory of the financial institution. For each financial institution, depending on its export parameters a separate file may be created with sections for each currency, account type, and ZIP_CODE in the client record.

Chapter 1. Parameters for Pipe "RBS. Balances Export.dll"

Parameter	Value	Parameter Description
FILTER	Condition fragment	A fragment of condition WHERE, added to operator SELECT. For example: "(acct_contract.f_i = 1)".
SOURCE_HINT	Parameter for operator SELECT	A HINT parameter added to operator SELECT. For example: "/*+ALL_ROWS*/". This parameter is only used when working with Oracle DBMS.
OEM	Y/N	Parameter defining encoding for the data to be exported: "Y" – data is exported in OEM (DOS); "N" – data is exported in Windows encoding, this value is used as default.
NONACTIVE_ACC	Y/N	Parameter indicating whether nonactive account balances will be exported. Nonactive accounts are accounts whose templates have been deleted from the accounting scheme and contain no funds. The default value is "Y" (nonactive account balances are exported).
BREAK_BY	CURRENCY, ACC_CODE, ZIP_CODE	Parameter indicating by which criteria the balance statement is broken up. The parameter value is selected from the following list: "CURRENCY" – balances of contract accounts are exported to file according to account currency; "ACC_CODE" – balances of contract accounts are exported to file according to account codes; "ZIP_CODE" – balances of contract accounts are exported to file according to the client record's ZIP_CODE value for the contract containing account data. Examples of parameter combinations: "CURRENCY,ACC_CODE" (grouped by currency and account codes, i.e. each file will show records for one currency and one account code), "ZIP_CODE,CURRENCY" (grouped by ZIP_CODE values and currency), "CURRENCY,ACC_CODE,ZIP_CODE" (grouped by currency, account codes and ZIP_CODE). If the parameter is not defined, then all balances are exported in one common file.
FL_PREFIXES	a,b,...	Parameter defining file prefixes when balances are grouped by account types through parameter BREAK_BY. The prefix order should be the same as the sequence of account codes shown by parameter INCL_ACCOUNTS, for example, "p,d,m,g,l".

Parameter	Value	Parameter Description
PR_CATEGORIES	C,M,...	Parameter indicating the list of category codes for contracts whose balances will be exported, for example, "C", "C,M".
INCL_ACCOUNTS	A,B,...	Parameter indicating the list of codes for accounts whose balances will be exported, for example, "P,D,-,>,L".
BANK_DATE_FOR_FI	Y/N	<p>If the value of this parameter is "Y", the banking date of the appropriate financial institution is used as the extension of unloaded files.</p> <p>If the value of this parameter is "N" (default), then the system date is used as the extension of the unloaded files.</p> <p>The dates are in Julian representation. This functionality allows for Time Zones.</p>

Chapter 2. Outgoing File Format

File data is stored in ASCII format. The entry length is 196 bytes, including two bytes of delimiters (CRLF). Each row in the file contains a message. Types of messages in the file are the file header, the file trailer, and the transaction message. The first file message is the file header. The last file message is the file trailer.

Field formats:

- **n** – numerical field containing only integers, right-justified and padded to the indicated length to the left with zeros.
- **an** – character field that may contain any printable characters, left-justified and padded to the indicated length to the right with spaces.
- **JJJ** – date, where JJJ is the sequential number of the day in the year (001 ... 366).
- **YYMM** – date, where YY are the last two numerals in the year (00 ... 99), MM is the numerical value of the month in the year (01 ... 12).
- **YYYYMMDD** – date, where YYYY is the year (0000 ... 9999), MM is the sequential number of the month in the year (01 ... 12), DD is the sequential number of the day in the month (01 ... 31).
- **b** – binary field used only for delimiter characters.

Money amounts are presented in minimal currency units (cents, pence...)

Usage indicators for data elements are as follows:

- **M** – field is mandatory;
- **O** – field is optional;
- **C** – data entry depends on values in other fields.

If the field is not filled, it should contain spaces.

File name:

#	Field	Pos	Len	Usage	Format	Value
1.	File Name Prefix	1	1	M	an	"G", if the file contains balances from various account types. If files are created by account types, the field value will depend on the value of parameter FL_PREFIXES in the export pipe.
2.	File Receiver (Short)	2	4	M	an	The receiver ID. The field value is set by the value of ZIP_CODE if the BREAK_BY pipe parameter is set to group balances by ZIP_CODE, otherwise it is the <i>Branch Code</i> field value in the table at "Full → Configuration Setup → Main Tables → Financial Institutions". If the code length in the table is less than 4 characters, it is padded to the right with zeros. If the length of a code in the table is 5 characters, the first 4 characters are used; if the code length is 6 characters, characters 2-5 are used.
3.	File Currency (Short)	6	2	M	an	If the file contains balances in a single currency, the file contains the first two characters of the 3-character ISO-4217 currency code. Otherwise the field is filled with the underline character.
4.	File Number (Short)	8	1	M	n	The sequential file number for that day.
5.	Delimiter	9	1	M	an	Delimiter character "."
6.	Balances Date (Short)	10	3	M	JJJ	Calendar date of balances sent in the file.

File header:

#	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"FH"
2.	Row Number	3	6	M	n	Row number in the file ("000001" – for the header).
3.	File Label	9	10	M	an	"A.BALANCES"
4.	Version	19	3	M	an	Version number.

#	Field	Pos	Len	Usage	Format	Value
5.	File Receiver	22	6	M	an	Receiver ID number. The field value is defined by ZIP_CODE if the pipe parameter BREAK_BY is set to group balances by ZIP_CODE, otherwise, this is the value of field <i>Branch Code</i> in the table at "Full → Configuration Setup → Main Tables → Financial Institutions".
6.	File Creation Date	28	8	M	YYYYMMDD	File creation date.
7.	File Creation Time	36	6	M	HHMMSS	File creation time.
8.	Reserved	42	3	M	n	"000"
9.	File Number	45	1	M	n	Sequential file number for the day.
10.	Balances Date	46	8	M	YYYYMMDD	Calendar date of the balance sent in the file.
11.	File Currency	54	3	O	an	Numerical code (in ISO-4217) of the balance currency sent in the file. Field is filled if the file contains balances in one currency.
12.	File Account Type	57	32	O	an	Account type code. Filled if the file contains balances for accounts of one type.
13.	Reserved	89	105	M	an	Filled with spaces. Reserved for use in future versions.
14.	Terminal Symbol	194	1	M	an	Character "*"
15.	Delimiter	195	2	M	b	0x0D, 0x0A (CRLF)

File trailer:

#	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"FT"
2.	Row Number	3	6	M	n	Row number in the file.
3.	Number of Records	9	6	M	n	Number of records in the file.
4.	Total Amount	15	18	M	n	Check Sum of the <i>Current Balance</i> field of all balance messages. Sum is calculated without counting currencies, decimal points and signs.
5.	Reserved	33	161	M	an	Filled with spaces. Reserved for use in future versions.
6.	Terminal Symbol	194	1	M	an	Character "*"

#	Field	Pos	Len	Usage	Format	Value
7.	Delimiter	195	2	M	b	0x0D, 0x0A (CRLF)

Balance statement:

#	Field	Pos	Len	Usage	Format	Value
1.	Row Code	1	2	M	an	"RD"
2.	Row Number	3	6	M	n	Row number in the file.
3.	Contract Number	9	24	M	an	Contract number.
4.	Contract RBS Number	33	32	M	an	Contract RBS number.
5.	Account Number	65	32	M	an	Account number.
6.	Client Short Name	97	32	M	an	Client short name.
7.	Current Balance	129	15	M	n	Account balance.
8.	Balance Sign	144	1	M	an	Balance sign: "C" – positive balance, "D" – negative balance, " " (space symbol) – balance is zero.
9.	Currency	145	3	M	an	Numerical account currency code in ISO-4217.
10.	Account Type	148	32	M	an	Account type code.
11.	Reserved	180	14	M	an	Filled with spaces. Reserved for use in future versions.
12.	Terminal Symbol	194	1	M	an	Character "*"
13.	Delimiter	195	2	M	b	0x0D, 0x0A (CRLF)