Account Analysis for Cash Transactions

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PS_AA_CASHUPD
Application 15060
Extension Id 64e1629f-8a9f-461d-96d4-f891f5468034

Overview:
The PS_AA_CASHUPD application analyzes cash transactions and updates counters in the DNA® database for use by the DNA® Account Analysis functionality.

Key Benefits:
This application may increase revenues by providing the ability to include deposited and withdrawn cash values in Account Analysis service charging.

Processing:
The PS_AA_CASHUPD application requires that the institution create two new Account Analysis Service Charge Variables, using DNA® Core standard functionality. These variables are used to represent Cash Transaction Sums and Cash Transaction Items.

The PS_AA_CASHUPD application can run for a given period, using input parameter SD and TD, to evaluate cash transactions and update the account analysis counters. The application first identifies accounts marked as Account Analysis accounts where the minor account type has the specified service charge variables associated. It selects all transactions containing cash for each account for the processing period, based on fund types associated to transactions in the DNA® database.

- For Cash Transaction Sums, the application sums the total cash for all transactions, divides the total amount by a parameter-specified value depending on the 8CDV and 8UID parameter values, rounds the decimal portion (based on the value of the 8RMT runtime parameter), and updates the analysis counter for the appropriate (parameter-specified) variable by the resulting integer

- For Cash Transaction Items, each cash transaction is evaluated individually. The application divides the cash amount by a parameter-specified value depending on the 8CDV and 8UID parameter values, rounds the decimal portion (based on the value of the 8RMT runtime parameter), and increments the analysis counter for the appropriate (parameter-specified) variable by the resulting integer.

This process updates counters only and does not calculate or apply any service charges. The institution must use DNA® Core Account Analysis functionality to apply the desired charge calculations.

Parameters:

Parameter	Code	Description (how used)	Required	Default
Cash Sum Calculation Type	8CSM	Indicates the Account Analysis Calculation Type Code for the cash sum charge	Yes	<Blank>

Parameter	Code	Description (how used)	Required	Default
Cash Item Calculation Type	8CSI	Indicates the Account Analysis Calculation Type Code for the cash transaction item charge	Yes	<Blank>
Cash Item Divisor	8CDV	Indicates the value by which the cash in a single transaction should be divided to reach the cash item count value Input value zero (0) will be treated as one (1).	Yes	<Blank>
Use Cash Item Divisor	8UID	This parameter determines which calculations should use the value in the 8CDV (Cash Item Divisor) parameter: The available options are: • I - Cash Item • S - Cash Sum • B - Both	No	I - Cash Item
Report Only YN	RPT	Y = Perform the calculations and produce a report but do not increment the analysis counters N = Perform the calculations, increment the analysis counters, and produce a report	No	Y
Rounding Method	8RMT	UP – Round Up To Nearest Integer DOWN – Round Down To Nearest Integer	No	DOWN
Start Date	SD	The beginning date for which to select cash transactions When left blank, Queue Effective Date is used as Start Date.	No	<Blank>
Thru Date	TD	The ending date for which to select cash transactions When left blank, Queue Effective Date is used as Thru Date.	No	<Blank>

Scheduling and re-run information:
- This is an updating application and may not be run back in time.
- This application selects transactions for the time period defined by the Start Date (SD) and Thru Date (TD) runtime parameters. Failure to run for a specific period and/or running more than once for a specific period may result in incorrect analysis counters.

Report:

```
Bank:    Systems Test Bank              Account Analysis For Cash Transactions        Run Date:  25-Mar-2020
Report:  PS_AA_CASHUPD                                                                Post Date: 11-Oct-2018

Queue Number      :  246655                                                           Run Time:  06:11:42
Application Number:  15060                                                            Cash Box:
Queue Sub Number  :  2                              SCHEMA
                                                    OSIBANK

                                                 DATABASE NAME
                                                 LMBKDB1.WORLD

                                                   RELEASE
                                                  DNA 4.4.2.1

                           03-25-2020 04:38:10 AM 288150 G:\OSI\BANK\SQT\4423\BAT_EXE\PS\


                                               REPORT PARAMETERS

                   Cash Item Calculation Type:  CAXC
                   Cash Item Divisor:  1
                   Cash Sum Calculation Type:  CAPC
                   Rounding Method:  DOWN
                   RptOnly_YN:  Y
                   StartDate:  01-Aug-2000
                   ThruDate:  31-Aug-2005
                   Use Cash Item Divisor:  I

Bank:    Systems Test Bank              Account Analysis For Cash Transactions        Run Date:  25-Mar-2020
Report:  PS_AA_CASHUPD                                                                Post Date: 11-Oct-2018
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                               ----------Cash Sum Section---------   -----Cash Tran Item Section-----
    Account Number  Major  Minor  Type       Amount        Count   Type   Transaction        Count

        992003081   CK    BUS   CAPC        45403.96       45403   CAXC        27            45398
        992003161   CK    BUS   CAPC        25204.80       25204   CAXC         8            25202
        992003218   CK    BUS   CAPC        14500.00       14500   CAXC         3            14500

        Totals:                             85108.76       85107               38            85100
```

Configuration Checklist:

Item	Test Environment	Production Environment
Parameters		
Account Analysis Transaction Types		
Account Analysis Variables		

Installation:
Note: If you obtained this application from the DNAappstore, please disregard the installation instructions below. If you did not obtain this application from the DNAappstore, please complete the installation instructions below.

- Copy the PS_AA_CASHUPD.SQT to the Batch Process to the PS batch application directory; the location specified in the PS Batch Report Directory 'BATP' Institution Option

- This application requires the running of the script PS_AA_CASHUPD.SQL. (Setup Script): Copy this file to any directory accessible to the applicable SQL application

(SQL Developer, PL/SQL Developer, etc.) You need to run the setup script to register the application.

- This application requires an Authorization Key. After the primary installation instructions have been completed, you must apply the supplied Authorization Key for this application.

  To enter the Authorization Key, go to Services >> System >> Institution >> Applications >> Application Manager.

Revisions:

Date	App Version #	Change
08/2020	1.0.0.0	Changed label to Fiserv Confidential
04/2020	1.0.0.0	Modified according to app store standards
02/2018	1.0.0.0	Documentation update - Added Fiserv Confidential Label
10/2014	1.0.0.0	Added input parameter 8UID to determine which calculations should use the value in the 8CDV (Cash Item Divisor) parameter.
08/2014	1.0.0.0	Application Creation