



## Deposit Account Activity Profile

Deposit Account Profile  
DepAcctProfile.dnax  
5215e00a-aa22-4318-8e39-75b32a8bbb06

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**Overview:**

The Deposit Account Profile application provides for transactional activities of a deposit account and presents the results in both tables and charts. It allows a user, such as a financial service representative, to quickly review the number of occurrences and dollar amounts of a variety of transactions including check deposits and withdrawals, electronic deposits and withdrawals, incoming and outgoing wire transfers, insufficient funds, uncollected funds, and charge backs for any given time period. The user can also view the source breakdown or timely distributions of transactions in graphic charts. Print functionality is provided for a summary of account activities in a pre-formatted report. This application streamlines account activity review and reporting processes.

**Key Benefits:**

Here are the key benefits this application provides:

1. A snapshot of transactional activities of a deposit account
2. View and present transactions in tables as well as graphics
3. Generate and print report in PDF format

**Processing:**

The App is available in four locations:

- Relationships (Module) > Quick Inquiries > Deposit Account Profile (where both account number and time period must be specified)
- Relationships (Module) > Maintenance > Deposit Accounts > Inquiries > Deposit Account Profile;
- Relationships (Module) > Quick Inquiries > Relationship Profile > Deposits (Grid) > Inquiries > Deposit Account Profile (where account number is pre-populated but the time period must be specified)
- Relationships (module) > Quick Inquiries > Relationship Profile > More > Deposit Account Profile

**1. Search Criteria**

The Account Number textbox only takes a deposit account number, which type is specified by the **DepAcctMjCds** ConfigVar. The Thru Date is defaulted to the date when the App is run and the From Date is a number of days, which is controlled by the **DefaultSearchPeriod** ConfigVar, prior to the Thru Date.

**2. Deposit Account Profile > Summary**

After the **Query** button is clicked or Enter key is pressed, the Deposit Account Profile group box is activated with all the information displayed in the Summary tab. The number and dollar amounts of the activities are retrieved and calculated based on the transaction type codes defined in a set of ConfigVars, which are detailed in Calculation Variables section.

3. Deposit Account Profile > Breakdowns & Distributions

Clicking on the Breakdown & Distributions tab brings the user to the Deposit Amount Breakdown pie chart by default. The user can then choose to view different breakdowns and distribution charts by selecting from the dropdown box. In case of a distribution chart, the X-axis scale is automatically adjusted according to the span of search time period. The Search Criteria group box is disabled while a user is working on this tab. The user must switch to the Summary Tab in order to change search criteria.

4. Deposit Account Profile Report

From the Deposit Account Profile screen, a user can click the Print button to bring up the report view screen. The user can then click on the Printer icon on the report view to print a hard copy of the report. The user has the option to display the institution logo on the report by setting the **DispLogoOnReport** ConfigVar to “Y”. If the option is set to Y, the user’s institution must provide the logo image file and place it in a directory that is defined as the **LogolmgFileName** and **LogolmgLocation** ConfigVars.

**Authorization:**

To grant a user access to this App, the system admin can either add the **DepAcctProfile App Auth** to a user’s authorization list or add the **DepAcctProfile App AuthItem** to an authorization group, such as financial service representatives (FSR), to which the user has at least View and Inquiry access privileges.

The following table lists the AuthCd and AuthItems that are used in the App:

Name	Code	Type	Description (how used)
DepAcctProfile App Auth	R0DA	AuthCd	Authorization code for App access
DepAcctProfile App AuthItem	R0DB	AuthItem	Authorization item code that can be included in authorization groups

*Note: There are three permissions defined in R0DB: VIEW, UPD, and EMPL. However, this application does not prevent an employee user from viewing the Average Daily Balance of an employee even the user is not granted with EMPL access.*

**Parameters:**

N/A

**Variables:**

In order for this App to be customized for different financial institutions, a set of Configuration Variables has been created with default values populated into the database. A financial institution can assign different values according to its system settings.

Calculation Categories:

A calculation category is required to associate the variables to the application. The following calculation category is used for that purpose.

Calculation Cat Code	Description
9RFC	Custom Category

Calculation Types:

A calculation type is required to associate the variables to the application. The following calculation variable is used for that purpose.

Calculation Cat Code	Calculation Type Code	Description (how used)	MjMiYN
9RFC	9R0D	Deposit Account Profile	N

Calculation Variables:

The following calculation variables are required for the application. They are populated within the '9R0D' calculation type.

Variable	Code	Description (How used)	Data Type	Default
CHKDepRtxnCds	9R5P	Transaction codes for check deposits	STR	DEP, DDEP, DEPD, EDEP
CHKWTHRtxnCds	9R5Q	Transaction codes for check withdrawals	STR	CWTH, WTH
WireOutRtxnCds	9R5R	The transaction codes for wire outs	STR	C35
WireInRtxnCds	9R5S	The transaction codes for wire ins	STR	DEPD
EDepRtxnCds	9R5T	The transaction codes for electronic deposits	STR	XDEP, IDEP

Variable	Code	Description (How used)	Data Type	Default
EWTHRtxnCds	9R5U	The transaction codes for electronic withdrawals	STR	XWTH, ECHK, ICHK
NSFRtxnCds	9R5V	The transaction codes for NSF items	STR	NSF
ChargebackRtxnCds	9R5W	The transaction codes for charge backs	STR	RETC,RETM,RICB
UncollFundRtxnCds	9R5X	The transaction codes for uncollected funds	STR	UCF
RtxnStatCds	9R5Y	The transaction status codes	STR	C
WireInRtxnMsg	9R5Z	The internal message set for wire in transactions	STR	INCOMING WIRE
WTHRtxnCds	9R6P	All transaction codes for withdrawals	STR	CWTH,ECHK,C35,XWTH,ICHK,WTH,WT HD,PWTH,IWTH,ON US
DepAcctMjCds	9R6Q	The account major codes that are supported. They must be deposit account major codes.	STR	SAV,CK,TD
DepAcctBalCatCd	9R6R	The category code for deposit account balance	STR	NOTE
DepAcctBalTypCd	9R6S	The type code for deposit account balance	STR	BAL
ReportClassType	9R6T	Document classification type	STR	Confidential
DispLogoOnReport	9R6U	Flag indicting if the company logo is displayed on the report	STR	Y
LogoImgLocation	9R6V	The location of the company logo image file. This value is required only when DispLogoOnReport is set to Y.	STR	Y:\OS\Core\Images
LogoImgFileName	9R6W	The file name of the logo image. It must be in jpg, gif, png, or bmp format. This value is required only when DispLogoOnReport is set to Y.	STR	FI_logo.jpg
UseCustomWireInSetting	9R6X	Flag indicating if custom setting is used to get wire in numbers and amount	STR	Y

Variable	Code	Description (How used)	Data Type	Default
PieChartCollectedThreshold	9R7Y	The percentage value of a pie chart slice to be collected with Others. Set the value to 0 if no collected slice is wanted.	STR	5
DefaultSearchPeriod	9R7Z	The number of days of the default search period.	STR	180
SystemBinaryFolder	9R80	The folder of DNA core application binary files	STR	Y:\OS\SAF_Client\SAFBase\4220\bin

**Scheduling and re-run information (for batch applications):**

N/A

**Notices:**

N/A

**Report (s):**

N/A

**File Layout(s):**

N/A

**Input File 1 Layout – Comma Separated**

N/A

**Input File Layout 2 – Tab Separated**

N/A

**Output File Layout – Fixed Width**

N/A

**Real-time Interaction with Other Applications:**

N/A

**Screens:**

See “Screen Appearance” section.

**Navigation:**

Relationships (module) > Quick Inquiries > Deposit Account Profile

Relationships (module) > Quick Inquiries > Relationship Profile > Deposits (Grid) > Inquiries > Deposit Account Profile

Relationships (module) > Maintenance > Deposit Accounts > Inquiries > Deposit Account Profile

Relationships (module) > Quick Inquiries > Relationship Profile > More > Deposit Account Profile

Screen Appearance:



Fig 1: App launched from Relationships (Module) > Quick Inquiries > Deposit Account Profile

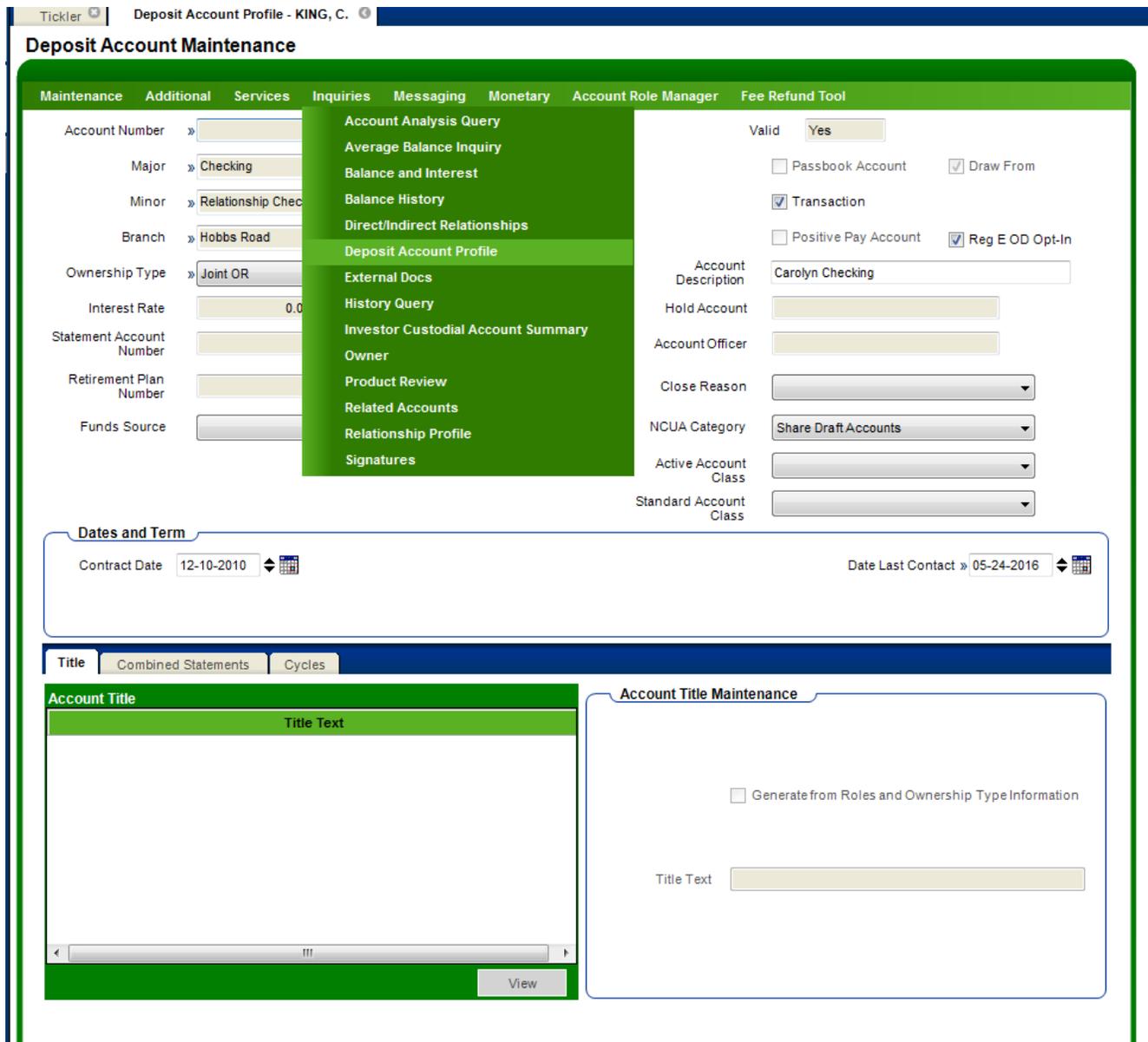


Fig 2: App launched from Relationships (Module) > Quick Inquiries > Relationship Profile > Deposits (Grid) > Inquiries > Deposit Account Profile

Tickler Deposit Account Profile

### Deposit Account Profile

**Search Criteria**

Account Number >  From Date > 06-01-2011

Thru Date > 11-30-2011

**Deposit Account Profile**

**Summary** Breakdowns & Distributions

# of Check Deposits:	129	\$ of Check Deposits:	38,876.02
# of Check Withdrawals:	53	\$ of Check Withdrawals:	(36,177.22)
# of Wire Ins:	0	\$ of Wire Ins:	0.00
# of Wire Outs:	0	\$ of Wire Outs:	0.00
# of Electronic Deposits:	201	\$ of Electronic Deposits:	84,623.41
# of Electronic Withdrawals:	19	\$ of Electronic Withdrawals:	(2,892.62)
# of NSF Items:	29	# of Chargebacks:	4
# of Uncollected Funds:	16	Average Daily Balance:	829.11

Fig 3: The Deposit Account Profile Summary Page

Tickler Deposit Account Profile

### Deposit Account Profile

**Search Criteria**

Account Number »  From Date » 11-01-2015

Thru Date » 07-28-2016

**Deposit Account Profile**

Summary Breakdowns & Distributions

Select Activity Type: Deposit Amount Breakdown

Activity Type	Percentage
Deposit	43.37564 %
Electronic Deposit	54.11155 %
Descriptive Deposit	2.51280 %

**Legend**

- Deposit
- Electronic Deposit
- Descriptive Deposit

Close Print

Fig 4: The Deposit Amount Breakdown Pie Chart

### Deposit Account Profile

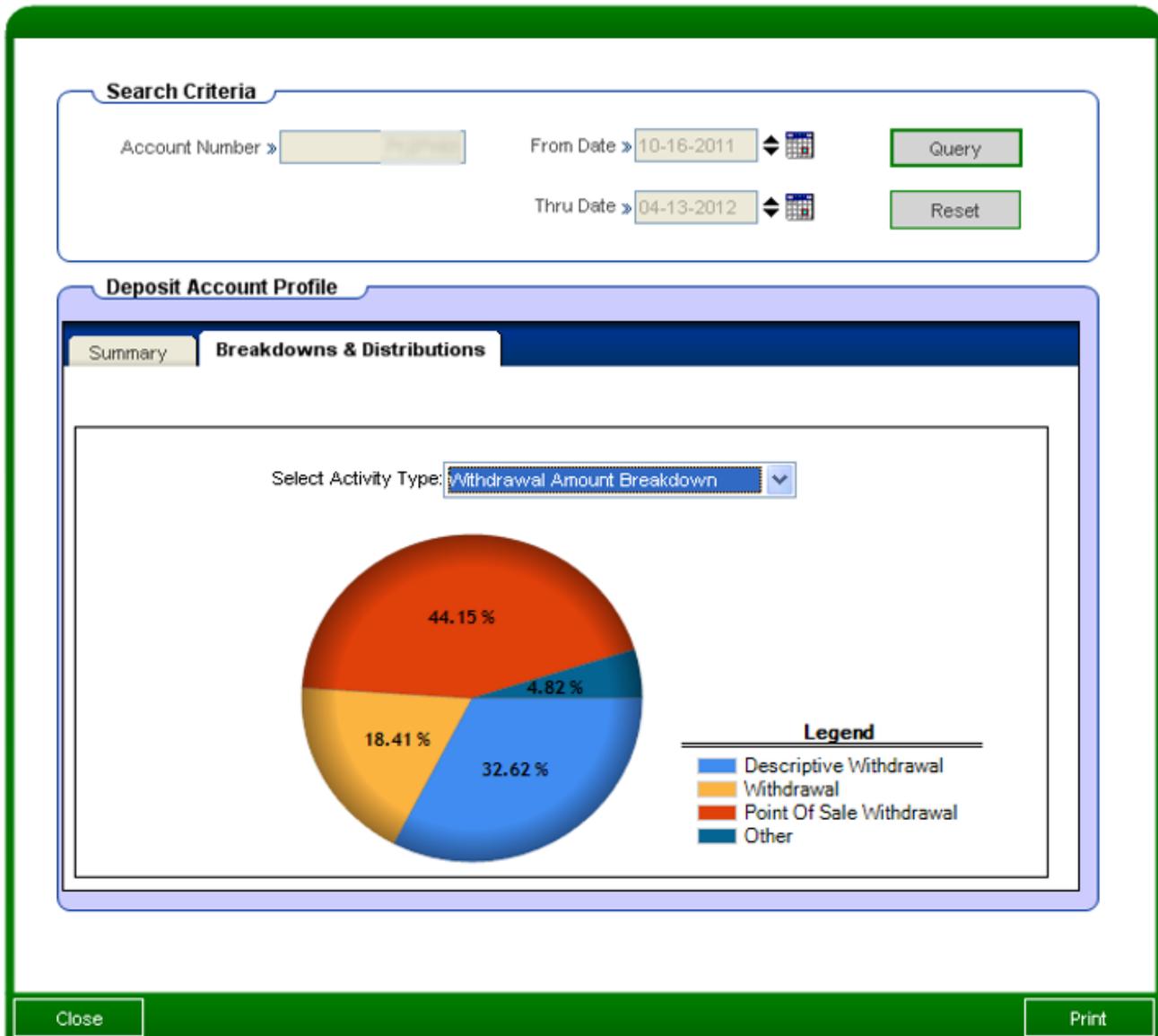


Fig 5: The Withdrawal Amount Breakdown Pie Chart



Fig 6: The NSF Item Distribution Column Chart

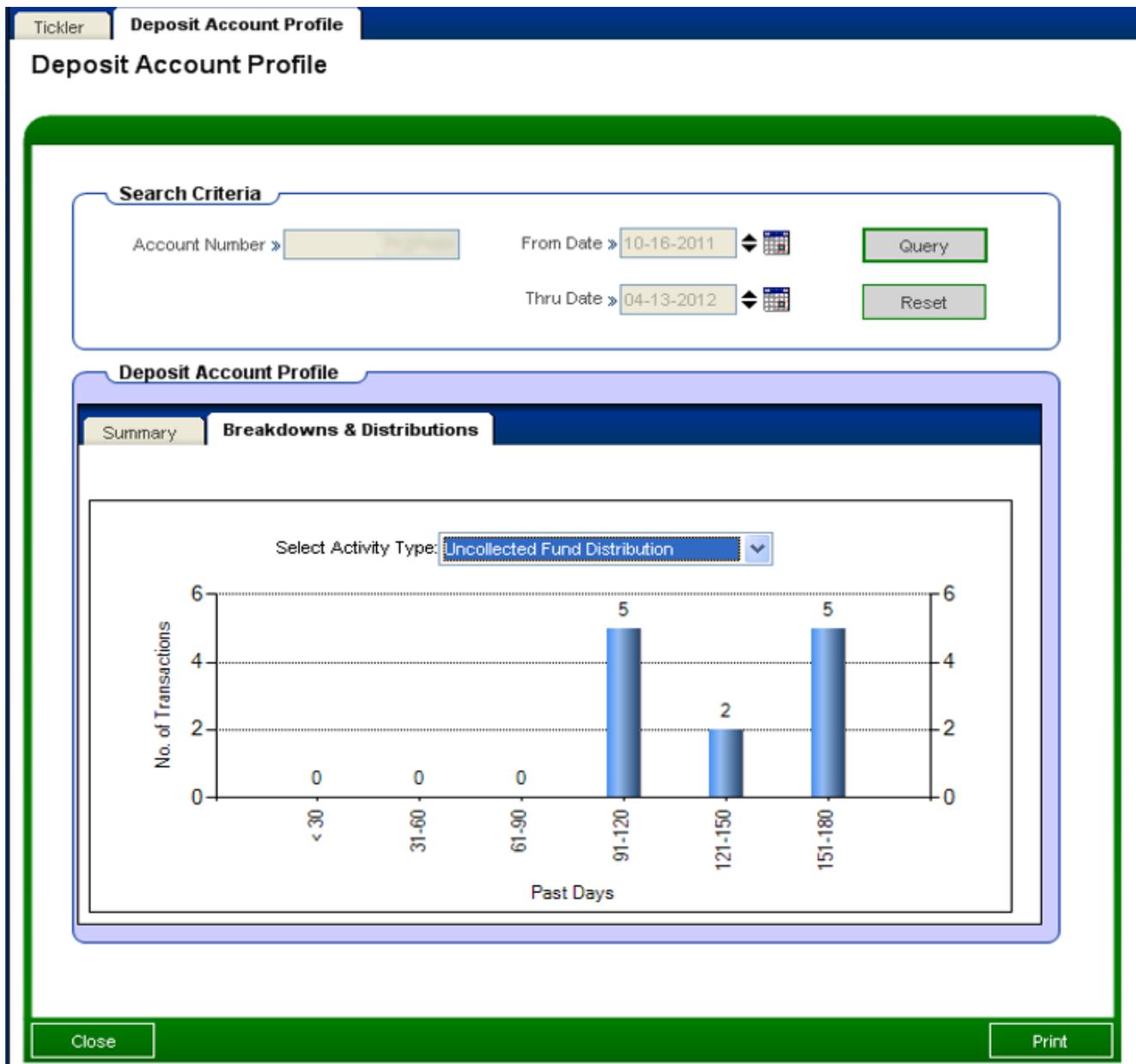


Fig 7: The Uncollected Fund Distribution Column Chart

### Deposit Account Profile

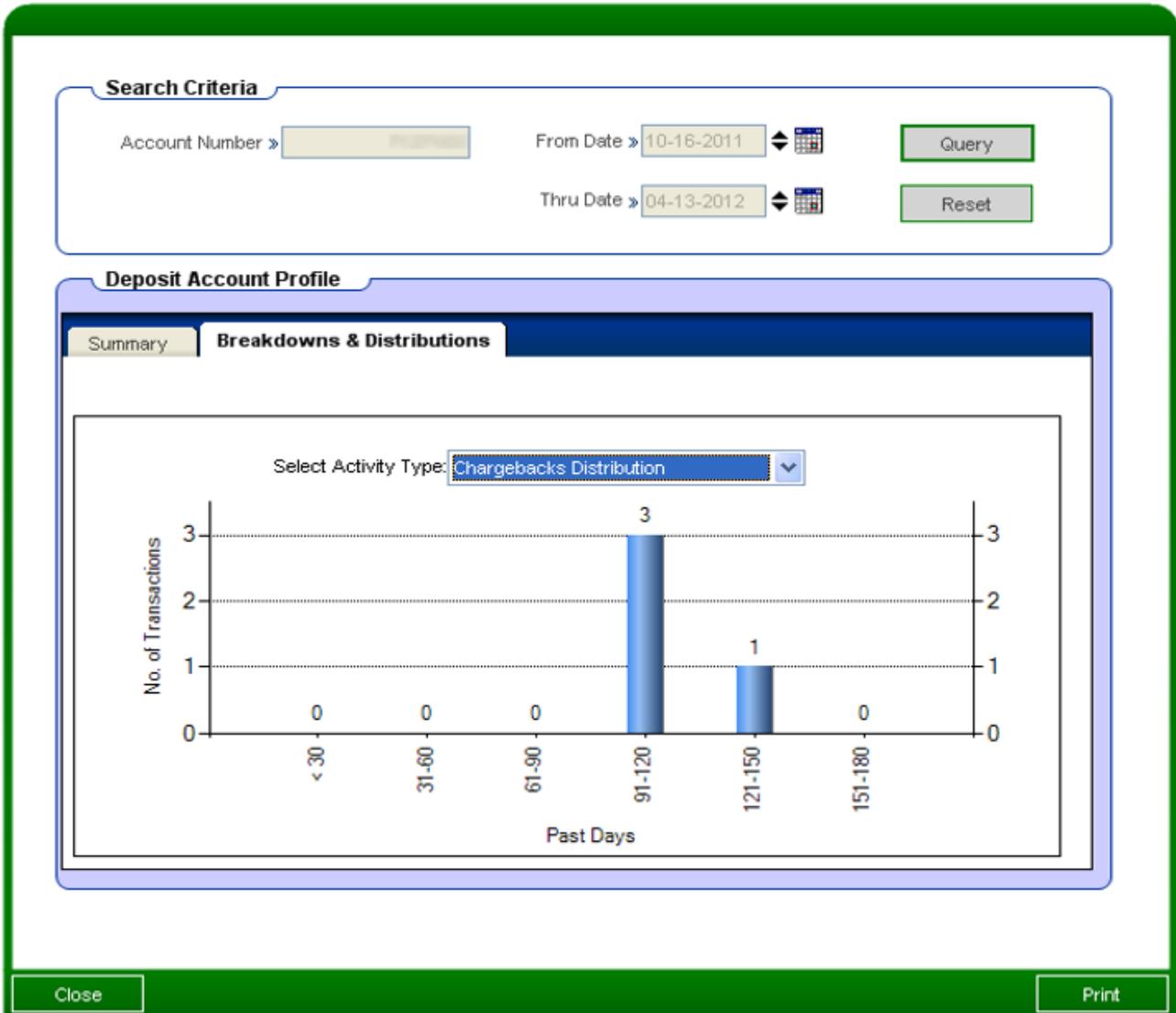


Fig 8: The Chargeback Distribution Column Chart

### Deposit Account Profile

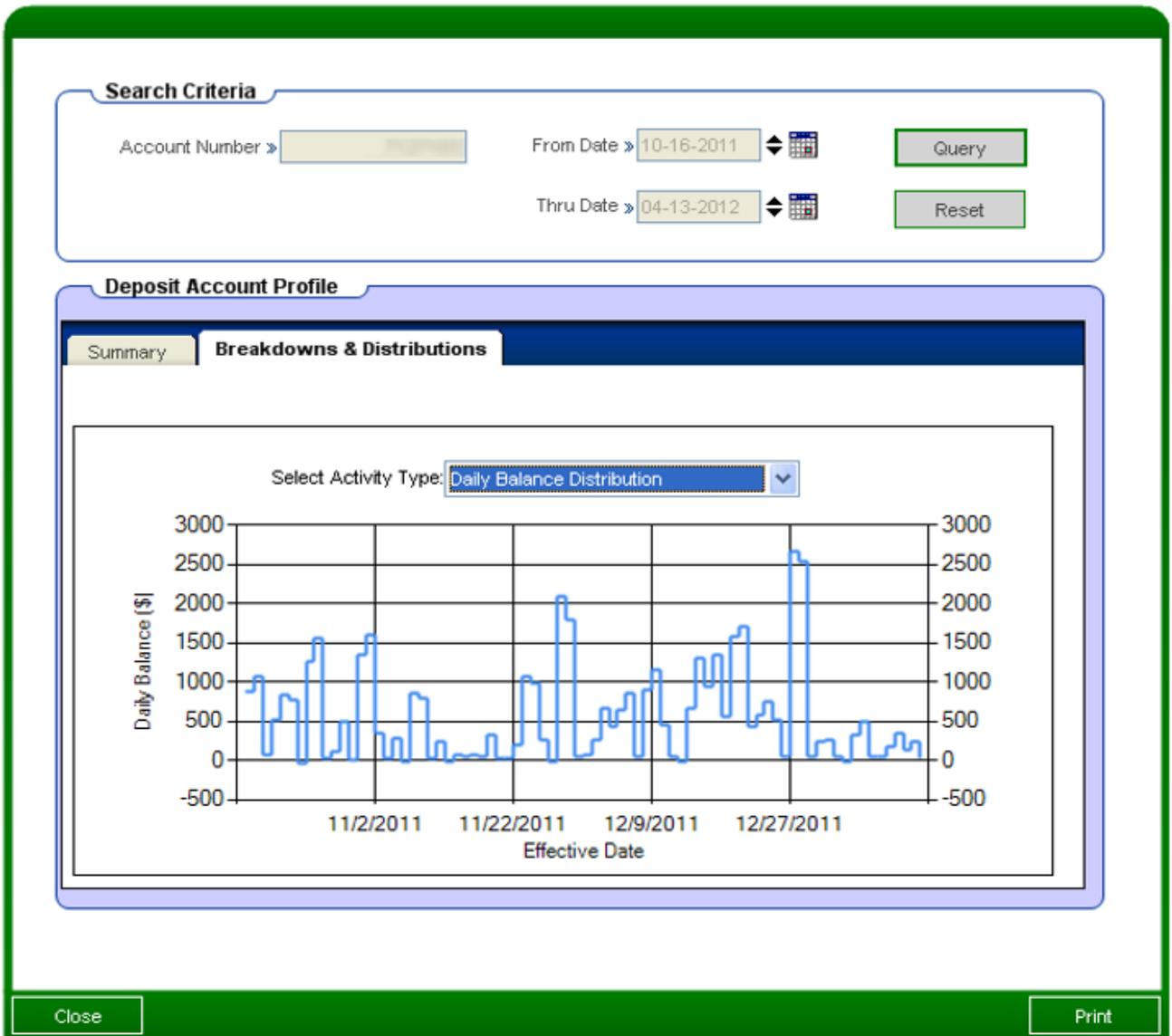


Fig 9: The Daily Balance Distribution Line Chart

The screenshot shows a web application window titled "Deposit Account Profile". At the top, there is a "Search Criteria" section with the following fields and buttons:

- Account Number:
- From Date: 10-16-2011 (with a calendar icon)
- Thru Date: 04-13-2012 (with a calendar icon)
- Buttons: Query, Reset

Below the search criteria is the "Deposit Account Profile" section, which has two tabs: "Summary" (selected) and "Breakdowns & Distributions". The "Summary" tab contains a table of input fields for various metrics:

# of Check Deposits:	<input type="text"/>	\$ of Check Deposits:	<input type="text"/>
# of Check Withdrawals:	<input type="text"/>	\$ of Check Withdrawals:	<input type="text"/>
# of Wire Ins:	<input type="text"/>	\$ of Wire Ins:	<input type="text"/>
# of Wire Outs:	<input type="text"/>	\$ of Wire Outs:	<input type="text"/>
# of Electronic Deposits:	<input type="text"/>	\$ of Electronic Deposits:	<input type="text"/>
# of Electronic Withdrawals:	<input type="text"/>	\$ of Electronic Withdrawals:	<input type="text"/>
# of NSF Items:	<input type="text"/>	# of Chargebacks:	<input type="text"/>
# of Uncollected Funds:	<input type="text"/>	Average Daily Balance:	<input type="text"/>

At the bottom of the window, there are "Close" and "Print" buttons.

Fig 10: App launched from Relationships (Module) > Maintenance > Deposit Accounts > Inquiries > Deposit Account Profile

Tickler Deposit Account Profile

### Deposit Account Profile Report

CoreFrame

75% Find | Next

#### Deposit Account Profile

Account Information		Account Activity		
Account Number	10000000	From Date: 09-29-2011	Thru Date: 03-27-2012	
Account Type	Business Checking			
Owner/Business Name	Argentine S. Holdings LLC 10000000			
Owner/Business Address	10000000 10000000 10000000			
Phone	10000000			

Activity	Number	Amount (\$)
Check Deposit	61	13,861.00
Check Withdrawal	25	(11,063.66)
Wire In	0	0.00
Wire Out	0	0.00
Electronic Deposit	121	41,746.97
Electronic Withdrawal	14	(1,280.24)
NSF Item	20	N/A
Chargeback	4	N/A
Uncollected Fund	13	N/A
Average Daily Balance	N/A	300.78

Signature of Account Reviewer	Title of Account Reviewer	Date
Full Name of Account Reviewer	Phone Number	

Close

Fig 11: Pre-formatted printable report

 You have not been granted permission to access this form.

Form Number: 503049  
Form Description: Deposit Account Profile  
Authority Item: R0DB

Ok

Fig 12: Error message indicating the user does not have access to the App



Fig 13: Error message indicating some ConfigVars are missing

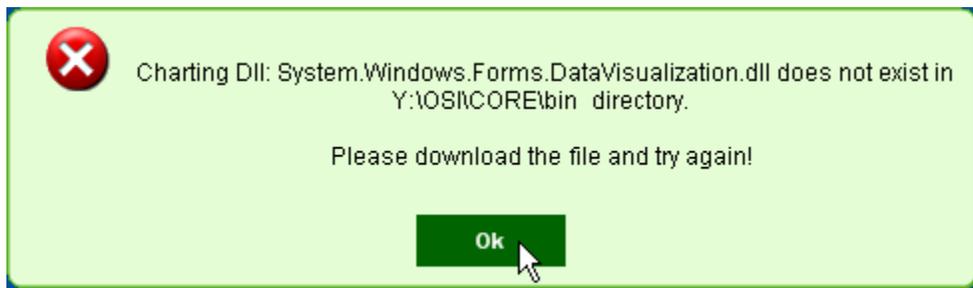


Fig 14: Error message indicating the Chart DLL is missing



Fig 15: Error message indicating the ReportView DLLs are missing

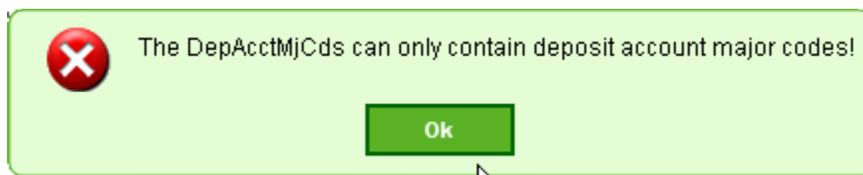


Fig 16: Error message indicating the DepAcctMjCds configVar can only contain deposit account major codes

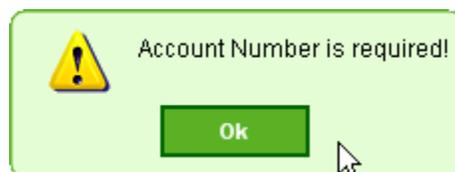


Fig 17: Informative message indicating the Account Number must be provided

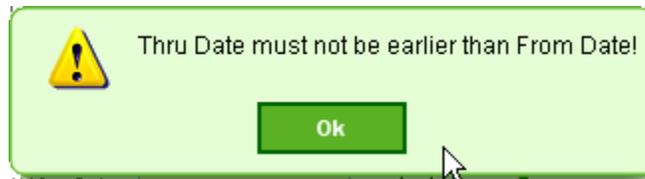


Fig 18: Informative message indicating Thru Date must be greater than From Date



Fig 19: Error message indicating the logo image file directory specified in LogolmgLocation ConfigVar does not exist

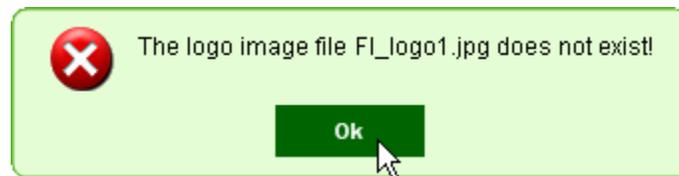


Fig 20: Error message indicating the logo image file specified in LogolmgFileName ConfigVar does not exist



Fig 21: Error message indicating the PieChartCollectedThreshold value is greater than 100

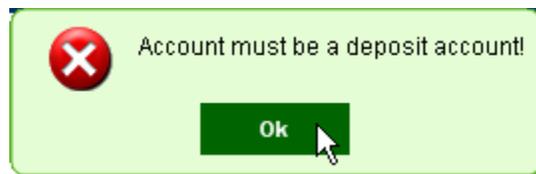


Fig 22: Error message indicating the input account number is not a deposit account number

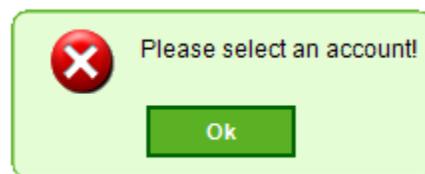


Fig 23: Error message indicating there is no account selected

**Field Listing:**

**1. Deposit Account Profile Screen**

Field	Description
<b>Search Criteria group box</b>	
Account Number	The account number for the activities
From Date	The starting date of the activities
Thru Date	The ending date of the activities
Query button	Command button to retrieve data from database
Reset button	Reset the Search Criteria and clear the Deposit Account Profile group box. In case the application is not launched from Quick Inquiries, the account number will not be cleared.
<b>Deposit Account Profile &gt; Summary tab</b>	
# of Check Deposits	Number of checks deposited to the account during the time period
\$ of Check Deposits	Dollar amount of checks deposited to the account during the time period
# of Check Withdrawals	Number of checks withdrawn from the account during the time period
\$ of Check Withdrawals	Dollar amount of checks withdrawn from the account during the time period
# of Wire Ins	Number of incoming wires to the account during the time period
\$ of Wire Ins	Dollar amount of incoming wires to the account during the time period
# of Wire Outs	Number of outgoing wires from the account during the time period
\$ of Wire Outs	Dollar amount of outgoing wires from the account during the time period
# of Electronic Deposits	Number of electronic deposits to the account during the time period
\$ of Electronic Deposits	Dollar amount of electronic deposits to the account during the time period
# of Electronic Withdrawals	Number of electronic withdrawals from the account during the time period
\$ of Electronic Withdrawals	Dollar amount of electronic withdrawals from the account during the time period
# of NSF Items	Number of occurrences in withdrawals with insufficient funds during the time period
# of Chargebacks	Number of chargebacks during the time period
# of Uncollected Funds	Number of occurrences in withdrawals with uncollected funds during the time period
Average Daily Balance	Average account daily available balance during the time period
<b>Deposit Account Profile &gt; Breakdown &amp; Distributions tab</b>	
Select Activity Type Combo Box	The list of breakdowns and distributions of account activities.
Close button	Command to close the App
Print button	Command to print the report

**2. Deposit Account Profile Report Screen**

Field	Description
<b>Account Information</b>	
Account Number	The account number for the activities

Field	Description
Account Type	The minor type description of the account
Owner/Business name	The Name of the owner or business of the account
Owner/Business address	The Address of the owner or business of the account
Phone	The primary phone number of the owner or business of the account
<b>Account Activity</b>	
From Date	The starting date of the account activities
Thru Date	The ending date of the account activities
Activity	The name of the activity
Number	Number of occurrences of the activity
Amount (\$)	Dollar amount of the activity

**Additional Requirements:**

- Fiserv DNA 4.2.2 or higher
- .NET Framework 4.5.2
- To access this DNAApp from the Relationship Profile More menu, you must download the free prerequisite app "RelationshipProfileMoreMenu.dnax" from the DNAAppstore Community Forum before you install the Deposit Account Activity Profile DNAApp.
- In order to view and/or print the report, Microsoft Report Viewer 2010 must be provided. The user can install the application from Microsoft website <http://www.microsoft.com/download/en/details.aspx?id=6442> on any machine, then copy the following DLLs from the machine's C:\Windows\Assembly directory to the shared DNA binary file directory, such as Y:\OS\Core\Bin
  - Microsoft.ReportViewer.Common.dll
  - Microsoft.ReportViewer.ProcessingObjectModel.dll
  - Microsoft.ReportViewer.WinForms.dll

There is no need to install the application on or copy the DLLs to individual client machines.

- **Workaround for Print Functionality**

If this app is installed in DNA 4.1 or above and the Print functionality is not working correctly, please perform the following steps:

1. Copy the following DLLs to G:\OS\Saf\_Client\SafBase\ CurrentDNAVersion]\bin. Here G:\ is where DNA Prod is mapped

Microsoft.ReportViewer.Common.dll  
 Microsoft.ReportViewer.ProcessingObjectModel.dll  
 Microsoft.ReportViewer.WinForms.dll

2. Copy OSI.Core.Dll from G:\OS\DNA\_Client\DNABase\[CurrentDNAVersion]\bin to G:\OS\Saf\_Client\SafBase\[CurrentDNAVersion]\bin

3. Change the SystemBinaryFolder configuration variable value to G:\OS\Saf\_Client\SafBase\[CurrentDNAVersion]\bin

**Configuration Checklist:**

Item	Test Environment	Production Environment
Variables		

**Revisions:**

Date	App Version #	Change
09/2016	2.0.0.0	Fixed issue with menu items Compiled in DNA SDK 4.2.2 and .Net Framework 4.5.2
04/2012	1.0.2.0	Handled external DLLs in correct ways.
04/2012	1.0.1.0	Corrected document and display issues.
03/2012	1.0.0.0	Application Created.