

Debit Card Fraud Finder

DBCFraudFinder.DNAx 23ae7f61-0a3b-422c-98a0-a127a3b312c2

Debit Card Fraud Finder

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Overview:

The Debit Card Fraud Finder DNAapp is designed so Financial Institution EFT team members can quickly research a reported fraudulent card use or breach for one or many cards, and not only identify where else the card or cards were used, but also to check if other cards in the portfolio were used at the same merchant locations.

The Financial Institution can also "flag" the merchants and cards in question by marking them in the DNA database. This does not stop transactions, but allows the Financial Institution to more easily monitor any card portfolio transactions at those merchant locations and also better monitor any of their compromised cards in a "group" as desired.

Key Benefits:

This app can help you identify, track and manage real and potential debit card fraud, reducing fraud losses and the cost of card replacement.

The Debit Card Fraud Finder application provides the Financial Institution with flexible setup, review, risk management, and fraud savings possibilities, which include:

- Being able to review and "work" issues within DNA, without having to go to the card/switch system (separate system), which is a common complaint from users.
- The ability to load a card or group of cards (card file) into the DNA database for review.
- View key card transaction data for one or many cards on a single screen (vs. going to each card and looking at card history).
- Date ranges for online queries.
- Functionality to flag a card or group of cards so they can be quickly queried and monitored.
- Functionality to flag a merchant so transactions associated with that merchant location can be quickly queried and monitored.
- Functionality to add remarks to each of the flag situations.
- Reporting capability for the above situations.
- Full activity audit trail and reporting capabilities.
- Built-in standard authorization security for both inquiry-only and updating capability.
- Purging data capabilities to ensure database performance is optimized.

Processing:

The Debit Card Fraud Finder application is designed for Financial Institutions to easily monitor and flag their card transactions by card number or merchant name.

To gain access to the Debit Card Fraud Finder application, the User must be granted the 'TXIN -Transaction Inquiry' Authorization Item to query card transactions in accordance with the custom Debit Card Fraud Finder application screens. The User can import card numbers to be flagged as compromised cards by using the 'CompromisedCardImport - Compromised Card Import' application. The import file must be in a CSV format with only one column (card number) to be flagged and no header line should be included in the file. Also the application will skip a card number in the import file that has already been recorded in the system.

Bank: Anywhere	Financial	Compromised Card Import	Run Date:	04-03-2015
Report: Compromi	sedCardImport		Post Date:	08-01-2014
Queue Number Application Number Queue Sub Number	: 5904 r: 507971	SUREMO	Run Time: Cash Box:	13:22:32
Queue Sub Humber	• •	OSIBANK		
		DATABASE NAME Neondna4.vorld		
		RELEASE DNA 4.0.1.0		
		04-02-2015 07:54:06 PM 195081 G:\OSI\BANK\BAT_EXE\EXTNS\		
		REPORT PARAMETERS		
	Input File Path:	C:\SQRCODING\DCFF\CARD20150331.CSU		
¥ Bank: Anywhere Report: Compromi:	Financial sedCardImport	Compromised Card Import	Run Date: Post Date: Page:	04-03-2015 08-01-2014 1 of 1
Card Number	Note			
569421 569421569421 4011323456787654	Skipped Skipped Skipped			
6011937883372637 7099385738271633 123456 7890123	Skipped			
Number of Comprom	ised Cards: 3			
Total	carus : 4			

Based on the compromised card numbers imported by the 'CompromisedCardImport -Compromised Card Import' application, these card numbers can be used in the Debit Card Fraud Finder screen that allows the User to search card transactions occurred during the decided time frame of Start Date and End Date fields appeared on the screen. The screen also allows the User to input the suspected card numbers manually in the Card Numbers field with a comma separated list, blanks between card records, or with card numbers entered in on separate lines. To use the compromised card numbers imported by the 'CompromisedCardImport - Compromised Card Import' application, the User will need to check ON the Include Known Compromised Card Numbers indicator otherwise check OFF when not used.

Debit Card Fraud Finder								
Search Criteria								
S69421 Start Date » 05-17-2000 ◆ III End Date » 07-16-2015 ◆ III Include Known Compromised Card Numbers Query Clear								
Close	a liat							
Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN		
01-12-2009	12:44:14 PM	Test PF Changs / 482	569421	N	Y	N		
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	Y	N		
12-01-2008	11:45:25 AM	Test PF Changs / 482	569421	N	Y	N		
12-05-2008	06:50:54 AM	Test PF Changs / 482	569421	N	Y	N		
12-08-2008	07:10:08 AM	Test PF Changs / 482	569421	N	Y	N		
12-17-2008	02:01:27 PM	Test PF Changs / 482	569421	N	Y	N		

The Compromised Cards List data grid displays the search result of card transactions according to the Search Criteria provided above the data grid. The User is allowed to flag a Card Number in a record displaying in the data grid as a Compromised Card by clicking the Card Flag button.

The User may click the Next button to display the Debit Card Fraud Maintenance screen to filter card transactions according to the provided Start Date and End Date on the Debit Card Fraud Finder screen.

Debit Card Fraud Maintenance								
Search Criteria								
Start Date » 05-17-2000 ◆ III End Date » 07-16-2015 ◆ III								
Merchant Name/Terminal ID » Test PF Changs / 4826193								
Merchant Flag Query Clear								
Previous Compromised Ca	Previous Compromised Cards List							
Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN	
01-12-2009	12:44:14 PM	Test PF Changs /	569421	500.00	Dennis Okin		N	
12-01-2008	11:45:25 AM	Test PF Changs /	569421	500.00	Dennis Okin		N	
12-05-2008	06:50:54 AM	Test PF Changs /	569421	500.00	Dennis Okin		N	
12-08-2008	07:10:08 AM	Test PF Changs /	569421	500.00	Dennis Okin		N	
12-17-2008	02:01:27 PM	Test PF Changs /	569421	500.00	Dennis Okin		N	

The Debit Card Fraud Maintenance screen will display all Merchant Names/Terminal IDs that are related to card transactions that occurred during the time frame derived from the previous screen (the Debit Card Fraud Finder screen) in the Merchant Name/Terminal ID dropdown list. The screen allows the User to search card transactions during the time frame by selecting a Merchant Name/Terminal ID from the dropdown list then clicking the Query button.

Another method to track possible fraudulent activity is to monitor transactions by Merchant Name instead of by Card Number this can be accomplished by using the Merchant Fraud Finder screen. The User has the capability to search for a Merchant using a wild card search to view all Terminal IDs for the given Merchant. The search results display the card transactions that took place at the given Merchant/Terminal ID depending on the search criteria within the date range entered by the User.

Ti	ransaction Express	Deposit Transactions	Loan Transactions	SDB Transactions	Other Teller	My Forms	System L	ogout
f	iserv.							
Ser	Tickler Credit Ca	ard Processor Credit (Card Processor Cred	it Card Processor	Credit Card Process	sor		
vices	Merchant Frau	d Finder						
Fa	Search Criteria							
orites	Merchant Nar	me/Terminal ID » test						
Help		Start Date » 05-17-2	2000 🗢 🎹			E	nd Date »07-1	6-2015 🜲 🛄
							Query	Clear
	Close							
	Compromised Car	ds List						
	Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card I	Flagged YN	Transaction Posted YN
	01-12-2009	12:44:14 PM	Test PF Changs / 482	569421	N		N	N
	10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	Y		Y	N
	11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N		N	N
	12-01-2008	11:45:25 AM	Test PF Changs / 482	569421	N		N	N
	12-05-2008	06:50:54 AM	Test PF Changs / 482	569421	N		N	N
	12-08-2008	07:10:08 AM	Test PF Changs / 482	569421	N		N	N
	12-17-2008	02:01:27 PM	Test PF Changs / 482	569421	N		N	N
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	Y		Y	N
	12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	Y		Υ	N

From the Merchant Fraud Finder screen the User has the capability to flag both a Card and a Merchant. If the Card or Merchant is currently flagged the button will not display.

T	ransaction Express	Deposit Transactions	Loan Transactions	SDB Transactions	Other Teller My F	orms System Lo	ogout			
1	iserv .									
Serv	Tickler Credit Card Processor Credit Card Processor Credit Card Processor Credit Card Processor									
ices	Merchant Fraud Finder									
3	Merchant Name/Terminal ID » test									
٥ř	Start Date » 05-17-2000 🗢 📰 End Date » 107-16-2015 🗢 📰									
-						Querv	Clear			
÷										
	Close									
	Compromised Car	de liet								
	Date /	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN			
	01-12-2009	12:44:14 PM	Test PF Changs / 482	569421	N	N	N			
	10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N			
	11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	N	N			
	12-01-2008	11:45:25 AM	Test PF Changs / 482	569421	N	N	N			
	12-05-2008	06:50:54 AM	Test PF Changs / 482	569421	N	N	N			
	12-08-2008	07:10:08 AM	Test PF Changs / 482	569421	N	N	N			
	12-17-2008	02:01:27 PM	Test PF Changs / 482	569421	N	N	N			
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N			
	12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N			
						Card Fig	1g Merchant Flag			

It also allows the User to flag a merchant to be flagged as a compromised merchant by selecting a Merchant Name/Terminal ID displayed in the Merchant Name/Terminal ID dropdown list and then clicking the Merchant Flag button.

The User may click the Previous button to go back to the Debit Card Fraud Finder screen.

The User is allowed to make inactive or update a remark of a compromised card via the Card Flagged List screen.

Card Flagged List				
Card Flagged List				*
Card Number	Effective Date	Inactive Date	Flagged YN	Ĥ
123456	01-01-2008		Y	
4011323456787654	08-01-2014		Y	
569421	01-01-2008		Y	
569421569421	08-01-2014		Y	
6011937883372637	08-01-2014		Y	
Card Flagged Maintena	nce		Ed	lit
Card Number	» 4011323456787654 » 08-01-2014	Inactive Date		
Remark		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Note	Flagged by Batch on 04/03/	2015 01:13:16 PM		
Close		O Close O	Clear C Review Pro	cess

Additionally, the User is allowed to make inactive or update a remark of a compromised merchant via the Merchant Flagged List screen.

Merchant Flagged L	.ist			
Merchant Flagged List				*
Merchant	Effective Date	Inactive Date	Flagged YN	I
Test PF Changs / 4826193	07-16-2015		Y	
✓ Auto Hide Merchant Flagged Maint	enance			Edit
Merchant ×	Test PF Changs / 4826193			
Effective Date »	07-16-2015 🔷 🏢	Inactive Date	\$	
Remark				
Note	Flagged by Tony Casano on 0	9/01/2015 03:06:42 PM		
Close		€ Close C Cle	ar C Review	Process

The Debit Card Fraud Finder application also provides two application reports for the Financial Institution to monitor the card transactions that occurred with the compromised cards or compromised merchants recorded in the system.

To produce the first report, the User will execute the 'CompromisedCardWatchList – Compromised Card Watch List' application to list all card transactions that occurred between the Start Date and Thru Date parameters which have card numbers of the card transactions that were flagged in the system as compromised cards.

Bank: Report:	Anywhere Compromi	Financial sedCardWatchL	Compromised Card Watch	List	Run Date: Post Date:	09-01-2015 07-16-2015
Queue Nu Applicat Queue Su	mber ion Numbe b Number	: 6245 r: 506720 : 2	SCHEMA OSIBANK		Run Time: Cash Box:	15:12:14
			DATABASE NAME NEONDNA4. WORLD			
			RELEASE DNA 4.0.1.0			
			07-30-2015 10:07:52 PM 217328 G:\OSI\E	ANK\BAT_EXE\EXTNS\		
			REPORT PARAMETERS			
		StartDate:	11-01-2008	ThruDate: 07-16-2015		
* Bank: Report:	Anywhere Compromi	Financial sedCardWatchL	Compromised Card Watch	List	Run Date: Post Date: Page:	09-01-2015 07-16-2015 1 of 1
Card Num	ber	Card Owner	Account Number Transacting Transact Date T	ing Merchant/Terminal ID ime	Transaction Amount	Transaction Posted YN
12345678	90123456	Dennis Okin Dennis Okin Dennis Okin	123456789 12-24-2008 10:37:47 123456789 12-18-2010 10:37:47 123456789 10-03-2014 09:37:47	AM Test Home Depot AM Test Home Depot AM Test Home Depot	500.00 100.83 643.12	N N N
Num	ber of Tr	ansactions:	3	Dollar Amount of Dollar Amount of Postee	Transactions: Transactions:	1,243.95 0.00
569421		Dennis Okin Dennis Okin Dennis Okin Dennis Okin Dennis Okin Dennis Okin	0 11-24-2008 10:37:47 0 12-01-2008 11:45:25 0 12-05-2008 06:50:54 0 12-08-2008 07:10:06 0 12-17-2008 02:01:27 0 01-12-2009 12:44:14	AM Test TJ Maxx / 372284 AM Test PF Changs / 48263 AM Test PF Changs / 48263 AM Test PF Changs / 48263 AM Test PF Changs / 48263 PM Test PF Changs / 48263 PM Test PF Changs / 48263	500.00 93 500.00 93 500.00 93 500.00 93 500.00 93 500.00	N N N N N N N N N N N N N N N N N N N
Num	ber of Tr	ansactions:	6	Dollar Amount of Dollar Amount of Poster	Transactions: Transactions:	3,000.00 0.00
Number o Number o	f Comprom f Transac	ised Cards: tions :	2 9	Dollar Amount of Dollar Amount of Posted	Transactions: Transactions:	4,243.95 0.00

To produce the second report, the User will execute the 'CompromisedMerchantWatchList – Compromised Merchant Watch List' application to list all card transactions that occurred between the Start Date and Thru Date parameters which have Merchant Names/Terminal IDs of the card transactions which were flagged in the system as compromised merchants.

Bank: Report:	Anywhere Compromis	Financia] edMerchar	ntWatchList			Compromised Mer	chant Wa	atch	List				Run Date: Post Date:	09-01-2015 07-16-2015
Queue Nur Applicat Queue Sul	mber ion Number b Number	6245 506719 3)			SCI	HEMA BANK						Run Time: Cash Box:	15:12:20
						DATABA: NEONDN	SE NAME A4.WORLE	D						
						RELI DNA 4	EASE .0.1.0							
				07-30-201	5 0	9:57:32 PM 21765	7 G:\05	I\BAN	K\BAT_E	XE\EXTN	5\			
						REPORT P	ARAMETER	RS						
		StartDat	e: 11-01-2	008					ThruDat	e: 07-3	16-2015			
⁸ Bank: Report:	Anywhere Compromis	Financia edMerchar	ntWatchList			Compromised Mer	chant Wa	atch I	List				Run Date: Post Date: Page:	09-01-2015 07-16-2015 1 of 1
Merchant,	/Terminal	ID	Transacting Date	Transacti Ti	ng (me	Card Number	Card Ov	wner		AC	count Numb	er	Transaction Amount	Transaction Posted YN
Test Hom	e Depot		12-24-2008 12-18-2010 10-03-2014	10:37:47 10:37:47 09:37:47	AM : AM : AM :	1234567890123456 1234567890123456 1234567890123456	Dennis Dennis Dennis	Okin Okin Okin			1234567 1234567 1234567	89 89 89	500.00 100.83 643.12	N N N
	Number of	Transact	ions:	3					Dollar	Dollar Amount	Amount of of Posted	Tra Tra	nsactions: nsactions:	1,243.95 0.00
Test PF (Changs / 4	826193	12-01-2008 12-05-2008 12-08-2008 12-17-2008 01-12-2009	11:45:25 06:50:54 07:10:08 02:01:27 12:44:14	AM AM AM PM PM	569421 569421 569421 569421 569421 569421	Dennis Dennis Dennis Dennis Dennis	Okin Okin Okin Okin Okin				0 0 0 0	500.00 500.00 500.00 500.00 500.00	N N N N
	Number of	Transact	ions:	5					Dollar	Dollar Amount	Amount of of Posted	Tra Tra	nsactions: nsactions:	2,500.00
Test TJ I	Maxx / 372	284	11-24-2008	10:37:47	AM	569421	Dennis	0kin				0	500.00	N
	Number of	Transact	ions:	1					Dollar	Dollar Amount	Amount of of Posted	Tra Tra	nsactions: nsactions:	500.00 0.00
Number of Number of	f Compromi f Transact	sed Merch ions	nants:	3 9					Dollar	Dollar Amount	Amount of of Posted	Tra Tra	nsactions: nsactions:	4,243.95 0.00

Finally, to help maintain database performance and regulate the size of the new tables, the User can run the 'DCFFTablePurge.sqt – Debit Card Fraud Finder Purge' updating Batch Application to purge information from the two new tables for the Compromised Cards and Compromised Merchants. This batch application can be run in updating or non-updating mode to see a "what-if" purge result, and can be run for each table, or both together.

The batch application will also produce a report; this report will display the number of records that have been purged/would have been purged from the extension schema table(s) based on the batch applications parameters.

Bank: Report:	Anywhere Finar DCFFTablePurge	ncial e	Debit Card Fraud Finder Purge	Run Date: Post Date:	06-03-2016 11-16-2015
Queue Nu Applicat Queue Su	mber : 60 ion Number: 50 b Number : 2	022 09496	SCHEMA OSIBANK	Run Time: Cash Box:	11:20:40
			DATABASE NAME NEONDNA4.WORLD		
			RELEASE DNA 4.1.0.0		
			06-02-2016 05:52:36 PM 193931 G:\OSI\BANK\BAT_EXE\EXTNS\		
			REPORT PARAMETERS		
	Tabl RptC	les to Purge: Dnly_YN: N	3 Effective Date: 11-16-2015		
⁹ Bank: Report:	Anywhere Finar DCFFTablePurge	ncial e	Debit Card Fraud Finder Purge	Run Date: Post Date: Page:	06-03-2016 11-16-2015 1 of 1
9			Records Purged 3		

Application Messages:

On the Debit Card Fraud Finder screen,

• The following system error message will be displayed when no search criteria has been entered.

Debit Card Fraud Finder		
Search Criteria		<u> </u>
Card Numbers	Start Date » ← III ② End Date » ← III ③ ✓ Include Known Compromised Card Numbers Ouery Clear	
Close		
		_
Exceptions		• • • • • • • • • • • • • • • • • • •
Y Please provide a valid Start Date		2

• The following system error message will be displayed when the selected End Date is less than the Start Date.

Debit Card Fraud Finder		
Search Criteria		
Card Numbers	Start Date ≫ 06-02-2015 End Date ≫ 06-02-2014 Control Compromised Card Numbers Cuery Clear	
Ciose		
Exceptions		××
Start Date Must Be Less than or Equal to End Date		

On the Merchant Fraud Finder screen,

• The following system error message will be displayed when the selected End Date is less than the Start Date.

Merchant Fraud Finder			
Search Criteria			-
Merchant Name/Terminal ID	» ktc		
Start Date	» 06-02-2015 🗢 🏢	End Date » 08-01-2014 🗢 🏢 😣	
		Query Clear	
Close			
Exceptions			* ×
Start Date Must Be Less than or E	qual to End Date		

On the Debit Card Fraud Finder screen,

• The message "No Records Found" will be displayed when the application cannot find any card transactions according to the search criteria.

Debit Card Frau	d Finder					
Search Criteria						
Card Numbers	4551			In Records Found	Start Date »01-01 End Date »01-01 clude Known Compromis Query	I-2000 → → → → → → →
Compromised Cards	s List					
Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN

• The message "The card has been flagged" will be displayed when the User selects the Card Flag button and the selected card has never been flagged before or the card was made inactive prior to the current post date.

L	oad and Manage Files	Manage Queues	Copy Queues by Type	Run Queues View	Manage Tax and Ins	urance Files IRS	System Logout		
f	fiserv.								
Sen	Tickler Authorizati	ion Information Loa	n - 700046734 🎽 Partic	ipation Maintenance - 70	0046734 Loan C	Credit Card Processor	Credit Card Processor		
rices	Debit Card Frau	d Finder							
Favorit	569421, 1234567890123456 Start Date » 05-17-2000								
ES H	End Date » [07-16-2015 ←] Card Numbers ✓ Include Known Compromised Card Numbers						6-2015		
lelp							ed Card Numbers		
						Query	Clear		
	Close								
	Compromised Cards	s List							
	Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN		
	01-12-2009	12:44:14 PM	Te The card	i has been flagged	Y	Y	N		
	10-03-2014	09:37:47 AM	💜		N	Y	N		
	11-24-2008	10:37:47 AM	Те	р <mark>к</mark>	N	Y	N		
	12-01-2008	11:45:25 AM	Те		Y	Y	N		
	12-05-2008	06:50:54 AM	Test PF Changs / 482	569421	Y	Y	N		
	12-08-2008	07:10:08 AM	Test PF Changs / 482	569421	Y	Y	N		
	12-17-2008	02:01:27 PM	Test PF Changs / 482	569421	Y	Y	N		
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	N	Y	N		
	12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	N	Y	N		

• The message "The card has been re-flagged" will be displayed when the User selects the Card Flag button and the selected card is currently inactive and had been made inactive on the current post date. This process will then activate the flag on the current post date.

Т	ransaction Express	Deposit Transactions	Loan Transactions	SDB Transactions	Other Teller	My Forms	System	Logout
ſ	iserv.							
Ser	Credit Card Processor	Credit Card Proces	sor Credit Card Proc	cessor Credit Card F	rocessor			
ices	Debit Card Fraud Finder							
Favorites Help	Card Numbers	569421, 123456789012	3456			☑ Include i	Start Date »05 End Date »07 Known Compron Query	-17-2000 ← 18-2015 ← 19 -16-2015 ← 19 -17 -17 -17 -17 -17 -17 -17 -17
	Close Compromised Cards	s List						
	Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YI	Car	d Flagged YN	Transaction Posted YN
	01-12-2009	12:44:14 PM	Test PF Changs / 482	569421	Y		Y	N
	10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	N		Y	N
	11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N		Y	N
	12-01-2008	11:45:25 AM	Test PF Ch	The card has been re-fla	agged Y		Y	N
	12-05-2008	06:50:54 AM	Test PF Ch		Y		Y	N
	12-08-2008	07:10:08 AM	Test PF Ch	ок	Y		Y	N
	12-17-2008	02:01:27 PM	Test PF Cha		Y l		Y	N
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	N		Y	N
	12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	N		Y	N

On the Debit Card Fraud Maintenance screen,

• The message "The merchant has been flagged" will be displayed when the User selects the Merchant Flag button and the selected Merchant Name/Terminal ID has never been flagged or the Merchant Name/Terminal ID was made inactive prior to the current post date.

Ti	ransaction Express	Deposit Transacti	ons Loan Trans	actions SDB Tran	sactions Other	Teller My Form	s System Log	out
f	iserv.							
Ser	Credit Card Process	or Credit Card P	rocessor Credit	Card Processor	Credit Card Processo	or		
lices	Debit Card Fra	aud Maintenan	ce					
Fav	Search Criteria							
orites He	Start Date » 05-17-2000 ♦ 📰 End Date » 07-16-2015 ♦ 📰							
Ť	Merchant Name	e/Terminal ID » Test	Home Depot					<u> </u>
							Query	Clear
	Draviaus							_
	Previous							
	Compromised Ca	rds List						
	Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
	10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	643.12	Dennis Okin	123456789	N
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	100.83	Dennis Okin	123456789	N
	12-24-2008 10:37:47 AM Test Home Depot 1234567890123456 500.00 Dennis Okin 123456789 N							
	The merchant has been flagged							

• The message "The merchant has been re-flagged" will be displayed when the User selects the Merchant Flag button and the selected Merchant Name/Terminal ID is currently inactive and had been made inactive on the current post date. This process will then activate the flag on the current post date.

Т	ransaction Express	Deposit Transaction	ons Loan Trans	actions SDB Tran	sactions Other	Teller My Form	s System Log	out
ſ	iserv.							
Sen	Credit Card Process	or Credit Card Pr	ocessor					
lices	Debit Card Fra	aud Maintenand	e					
Fav	Search Criteria							
orites		Start Date »05-17	-2000 🗢 🏢				End Date »07-16-	2015 🜩 🧰
Help	Merchant Name	e/Terminal ID » Test H	Home Depot					•
							Query	Clear
	Previous							
	Compromised Ca	rds List						
	Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
	10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	643.12	Dennis Okin	123456789	N
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	100.83	Dennis Okin	123456789	N
	12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	500.00	Dennis Okin	123456789	N
			(i)	The merchant has b	een re-flagged			

• On the Merchant Flagged List screen, the "The Inactive Date must be greater than or equal to [Current Post Date]" message will be displayed when the User inputs the Inactive Date field value that is less than the Current Post Date value.

Ti	ransaction Express Dep	osit Transactions Loa	n Transactions	SDB Tran	sactions	Other	Teller	My
f	iserv .							
Serv	Credit Card Processor	Credit Card Processor	Credit Card Pro	cessor				
rices	Merchant Flagged	List						
T.	Merchant Flagged List							*
vorites	Merchant	Effective Date	Inactive D	ate	Flag	ged YN		-
Ŧ	Test Home Depot	07-16-2015				Y		
Ť	Test PF Chanos / 4826193	07-16-2015				Y		•
	Auto Hide						Edit	
	Merchant Flagged N	1 The Inactive Dat	e must be greater	than or equ	ual to 07-16	6-2015		
		V						
	Mercha		ОК			J		
	Effective Date	» 07-16-2015 🏢	Ina	ctive Date	02-26-2015	\$		
	Remark	test						
	Note	Flagged by Tony Casano	on 09/01/2015 03:2	21:52 PM				
	Close		6	Close C	Clear 🔿 R	eview	Process	s

• On the Card Flagged List screen, the "The Inactive Date must be greater than or equal to [Current Post Date]" message will be displayed when the User inputs the Inactive Date field value that is less than the Current Post Date value.

Т	ransaction Express	Deposit Transactions	Loan Transaction	s SDB Tran	sactions	Other	Teller	M
ſ	iserv.							
Serv	Credit Card Process	or Credit Card Proces	sor Credit Card I	Processor				
ices	Card Flagged	List						
3	Card Flagged List	:						*
vorite:	Card Number	Effective Date	Inactiv	e Date	Flagg	ed YN	-	
Ŧ	569421	07-16-2015				Y		
÷	Auto Hide	1) The Inactive Date	must be greater tha	n or equal to 0	7-16-2015		Edit	- -
	Card Flagged		ОК					
	Card Nu	mber » 569421						
	Effectiv	e Date » 07-16-2015 🔶 🕻		Inactive Date	04-01-2015	\$		
	Re	mark						
	1	Note Flagged by Tony C	asano on 08/12/2015 (04:24:07 PM				
	Cancel			O Close O	Clear 🖲 Rev	view	Process	

Parameters:

The Compromised Card Import (COMPROMISEDCARDIMPORT.sqt) application has the following application parameter:

Parameter	Code	Description (how used)	Required	Default
Input File Path	IPTH	File path location where the compromised card file is and can be picked up by the program	Yes	<blank></blank>

The Compromised Card Watch List Report (COMPROMISEDCARDWATCHLIST.sqt) application has the following application parameters:

Parameter	Code	Description (how used)	Required	Default
Start Date	SD	Start Date of reporting period	Yes	<blank></blank>
Thru Date	TD	Thru Date of reporting period	Yes	<blank></blank>

The Compromised Merchant Watch List (COMPROMISEDMERCHANTWATCHLIST.sqt) application has the following application parameters:

Parameter	Code	Description (how used)	Required	Default
Start Date	SD	Start Date of reporting period	Yes	<blank></blank>
Thru Date	TD	Thru Date of reporting period	Yes	<blank></blank>

Parameter	Code	Description (how used)	Required	Default
Effective Date	EFF	Application will purge all records that have an Inactive Date that are less than or equal to the date entered in this parameter. Active records will never be purged.	Yes	<blank></blank>
RptOnly_YN	RPT	Yes/No field. If user selects Yes, the application will only display how many rows will be purged. If No is selected, the application will update the database with purging the records that meet the parameters entered.	Yes	Y
Tables to Purge	DCFP	Dropdown parameter, available values are: CardFlagged, MerchantFlagged, or Both. Depending on what value the user selects, the corresponding table will have the rows purged. If (1)-CardFlagged is selected only values in that table will be purged. If (2)-MerchantFlagged is selected only values in that table will be purged. If (3)-Both is selected the values in both the CardFlagged and MerchantFlagged tables will be purged	Yes	3 (Both Tables)

Variables:

The Debit Card Fraud Finder DNAapp utilizes a new Configuration Variable that has been populated with a default value. The financial institution may assign a different value according to their system settings.

Calculation Categories:

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

Calculation Category Code	Description (how used)
CARD	Card Processing

Calculation Types:

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

Calculation Category Code	Calculation Type Code	Description (how used)	MjMiYN
CARD	DCFF	Debit Card Fraud Finder	Y

Calculation Variables:

The following calculation variable is required for the application. It is populated with the 'DCFF' calculation type.

			Data	
Variable	Code	Description (how used)	Туре	Default
Number of	DCBD	Defines the back-days for the default	NUM	60
Back Date		date range of card transactions during		
Query Days		online querying.		

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

- The Compromised Card Import application can be run at any given point in time at the request of the Financial Institution.
- The Compromised Card Watch List Report and the Compromised Merchant Watch List Report can be set to run on a predetermined schedule: daily, weekly, or monthly, for example. Daily scheduling of this application will yield the most accurate results.

Reports:

The Debit Card Fraud Finder application produces four reports.

First, a report (COMPROMISEDCARDIMPORT.LIS) is produced when that application is run. This application is used to load a larger group of cards into the system, such as a file received from the card issuers (Visa, MasterCard). This application will load all records to be "flagged" within the DNA database upon loading, unlike the online application process that requires a card record to be flagged after being entered for initial query, and produce a report of the card records loaded. The report sort order corresponds to the record order of the card record import file.

Below is an example of the report:

Bank: Anywhere I	Financial	Compromised Card Import	Run Date:	04-03-2015
Report: Compromise	adCardImport		Post Date:	08-01-2014
Queue Number Application Number	: 5904 • 507971		Run Time: Cash Box:	13:22:32
Queue Sub Number	: 2	SCHEMA Osibank	basin box.	
		DATABASE NAME NEONDNA4.WORLD		
		RELEASE DNA 4.0.1.0		
		04-02-2015 07:54:06 PM 195081 G:\OSI\BANK\BAT_EXE\EXTNS\		
		REPORT PARAMETERS		
•	Input File Path:	C:\SQRCODING\DCFF\CARD20150331.CSV		
* Bank: Anywhere I Report: Compromise	Financial edCardImport	Compromised Card Import	Run Date: Post Date: Page:	04-03-2015 08-01-2014 1 of 1
Card Number	Note		2	
569421 569421569421 4011323456787654 6011937883372637 709385738271633 123456 7890123	Skipped Skipped Skipped Skipped			
Number of Compromi Number of Skipped (Total	sed Cards: 3 Cards : 4 : 7			

Field Listing:

Field	Description
	Compromised Card Import
Card Number	Imported Card Number that has been reported as being possibly compromised.
Note	The system generated message the card that has been flagged is being added to the DNA Database, or "Skipped" if the card record already exist and has an active flag status.
Number of Compromised Cards	The total number of compromised cards from the import file.
Number of Skipped	The total number of cards that were not considered compromised from
Cards	the import file.
Total	Total number of cards imported into system through via the import file

Second, a report (COMPROMISEDCARDWATCHLIST.LIS) lists all cards that have been flagged as compromised and their transactions within the date parameters, along with pertinent information such as transaction amount, merchant/terminal id, transaction date, transacting time, account number, card owner, etc. This report is subtotaled for each compromised card for transactions and dollar amount, and Totals for the number of compromised cards, the number of transactions and the total dollar amount of all transactions

within the date parameters. This allows the Financial Institution a snapshot of potential total risk from these cards that have been flagged.

The report sort order is Card Number and then Transacting Date and Transacting Time.

Below is an example of the report:

Bank: Report:	Anywhere Compromis	Financial edCardWatchL	ist	Col	mpromised Ca	rd Watch	List			Run Date: Post Date:	09-01-2015 07-16-2015
Queue Nu Applicat Queue Su	mber ion Number b Number	: 6246 : 506720 : 2			SCHI OSIB/	EMA ANK				Run Time: Cash Box:	15:27:43
					DATABASI NEONDNA	E NAME 4.WORLD					
					RELE DNA 4.0	ASE 0.1.0					
			07	-30-2015 10:07:	52 PM 217328	G:\OSI\8	BANK\BAT_	EXE\EXTNS\			
					REPORT PA	RAMETERS					
		StartDate:	11-01-2008				ThruDa	te: 07-16	-2015		
♀ Bank: Report:	Anywhere Compromis	Financial edCardWatchL	ist	Cor	npromised Ca	rd Watch	List			Run Date: Post Date: Page:	09-01-2015 07-16-2015 1 of 1
Card Num	ber o	ard Owner		Account Number	Transacting Date	Transact	ting Merc Time	hant/Termi	nal ID	Transaction Amount	Transaction Posted YN
12345678	90123456 C C	Dennis Okin Dennis Okin Dennis Okin		123456789 123456789 123456789	12-24-2008 12-18-2010 10-03-2014	10:37:47 10:37:47 09:37:47	7 AM Test 7 AM Test 7 AM Test	Home Depo Home Depo Home Depo	t t t	500.00 100.83 643.12	N N N
Num	ber of Tra	ansactions:	3				Dolla	Dollar A r Amount o	nount of T F Posted T	ransactions: ransactions:	1,243.95 0.00
569421		Dennis Okin Dennis Okin Dennis Okin Dennis Okin Dennis Okin Dennis Okin		0 0 0 0 0 0	11-24-2008 12-01-2008 12-05-2008 12-08-2008 12-17-2008 01-12-2009	10:37:47 11:45:25 06:50:54 07:10:08 02:01:27 12:44:14	7 AM Test 5 AM Test 4 AM Test 8 AM Test 7 PM Test 4 PM Test	TJ Maxx / PF Changs PF Changs PF Changs PF Changs PF Changs PF Changs	372284 / 4826193 / 4826193 / 4826193 / 4826193 / 4826193	500.00 500.00 500.00 500.00 500.00 500.00	2 2 2 2 2 2 2
Num	ber of Tra	ansactions:	6				Dolla	Dollar A Ir Amount o	nount of T F Posted T	ransactions: ransactions:	3,000.00 0.00
Number o Number o	f Compromi f Transact	ised Cards: ions :	2 9				Dolla	Dollar A Ir Amount o	nount of T f Posted T	ransactions: ransactions:	4,243.95 0.00

Field	Description
	Compromised Card Watch List
Card Number	Card Number that has been reported as being flagged.
Card Owner	The owner of the flagged card.
Account Number	The Account Number linked to the flagged card.
Transacting Date	Date the transaction occurred at the merchant.
Transacting Time	The exact time the transaction occurred at the merchant.
Merchant/Terminal	The merchant name of the card transaction will be displayed. If the
ID	merchant name is null, the terminal id of the card transaction will be
	displayed instead.
Transaction Amount	The total amount for the transaction made by the flagged card.
Transaction Posted	Yes/No option if the transaction was posted to the account. If no, the
YN	transaction is still processing.
Number of	Total number of flagged transactions completed grouped by card
Transactions	number.
Dollar Amount of	Total amount of all flagged transactions that have posted to the account
Transactions	and completed at all flagged merchants displayed on the report.
Dollar Amount of	Total amount of all flagged transactions that have posted to the account.

Posted Transactions	
Number of	Total number of flagged, compromised cards on the report.
Compromised Cards	
Number of	Total number of flagged transactions completed and displayed on the
Transactions	report.
Dollar Amount of	Total amount of all flagged transactions displayed on the report.
Transactions	
Dollar Amount of	Total amount of all flagged transactions that have posted to the account
Posted Transactions	and displayed on the report.

Third, a report (COMPROMISEDMERCHANTWATCHLIST.LIS) lists all transactions from cards (regardless of whether they have been flagged or not) performed at the merchant locations that have been flagged within the date parameters, along with pertinent information such as transaction amount, merchant/terminal id, transaction date, transacting time, account number, card owner, etc. This allows the Financial Institution a snapshot of potential total risk from any of their portfolio cards that have been utilized at flagged merchants. This report is subtotaled by merchant to provide an accounting of how many transactions and total transaction amount per flagged merchant.

The report sort order is Merchant/Terminal ID and then Transacting Date and Transacting Time.

Below is an example of the report:

Run Date: Post Date:	09-01-2015 07-16-2015
Run Time: Cash Box:	15:12:20
Run Date: Post Date: Page:	09-01-2015 07-16-2015 1 of 1
ber Transaction Amount	Transaction Posted YN
789 500.00 789 100.83 789 643.12	N N N
of Transactions: d Transactions:	1,243.95 0.00
0 500.00 0 500.00 0 500.00 0 500.00 0 500.00	N N N N
of Transactions: d Transactions:	2,500.00
0 500.00	N
of Transactions: d Transactions:	500.00 0.00
f Transactions:	4,243.95
77 - fd	89 100.83 89 643.12 Transactions: Transactions: 0 500.00 0 500.00 0 500.00 0 500.00 0 500.00 0 500.00 Transactions: 1 0 500.00 Transactions: 1 1 Transactions: 1 Transactions: 1 Transactions: 1 Transactions:

Field	Description
	Compromised Merchant Watch List
Merchant/Terminal	The merchant name of the card transaction will be displayed. If the
ID	merchant name is null, the terminal id of the card transaction will be
	displayed instead.
Transacting Date	Date the transaction occurred at the merchant currently that is on the
	watch list.
Transacting Time	The exact time the transaction occurred at the merchant.
Card Number	Card Number that has been reported as being flagged.
Card Owner	The owner of the flagged card.
Account Number	The Account Number linked to the flagged card.
Transaction Amount	The total amount for the transaction made by the flagged card.
Transaction Posted	Yes/No option if the transaction was posted to the account. If no, the
YN	transaction is still processing.
Number of	Total number of flagged transactions completed at the Merchant/Terminal
Transactions	ID.
Dollar Amount of	Total dollar amount of the transactions posted at the Merchant/Terminal
Posted Transactions	ID.
Number of	Total number of flagged, compromised merchants.
Compromised	
Merchants	
Number of	Total number of flagged transactions completed at all flagged merchants
Transactions	displayed on the report.
Dollar Amount of	Total amount of all flagged transactions completed at all flagged
Transactions	merchants displayed on the report.
Dollar Amount of	Total amount of all flagged transactions that have posted to the account
Posted Transactions	and completed at all flagged merchants displayed on the report.

Fourth, a report (DCFFTABLEPURGE.LIS) is an updating Batch Application. The application will purge the extension schema tables used by the Debit Card Fraud Finder application based on the batch parameters. The batch application will purge all records in the table(s) designated by the value in the Tables to Purge parameter and with an Inactive Date that is less than or equal to the Effective Date entered. A report is produced and will display the number of records have been purged from the extension schema table(s).

Bank: Anywhere Report: DCFFTable	inancial Purge	Debit Card Fraud Finder Purge	Run Date: Post Date:	06-03-2016 11-16-2015
Queue Number Application Number Queue Sub Number	6022 509496 2	SCHEMA OSIBANK	Run Time: Cash Box:	11:20:40
		DATABASE NAME NEONDNA4, WORLD		
		RELEASE DNA 4.1.0.0		
		06-02-2016 05:52:36 PM 193931 G:\OSI\BANK\BAT_EXE\EXTNS\		
		REPORT PARAMETERS		
	Tables to Purge: RptOnly_YN: N	3 Effective Date: 11-16-2015		
Bank: Anywhere F Report: DCFFTableF	inancial Purge	Debit Card Fraud Finder Purge	Run Date: Post Date: Page:	06-03-2016 11-16-2015 1 of 1
2		Records Purged 3		

Debit Card Fraud Finder 10312016

Field	Description
	Debit Card Fraud Finder Purge
Records Purged	Displays the number of records purged from the extension schema table(s) based on the parameter values entered.

Input File Layout:

The format will be a CSV File with a single record per line format with no header or trailer record.

Field	Format	Description
Card Number	99999999999	This number represents the card number that is being imported into the DNA Database.

Screens:

Navigation:

Transactions > Other > Debit Card Fraud Finder.

Screen Appearance (Debit Card Fraud Finder):

ebit Card Frau	d Finder					
arch Criteria						
Card Numbers	569421			₽ In	Start Date » 05-1 End Date » 07-11 clude Known Compromis Query	7-2000 ← 6-2015 ← m sed Card Numbers Clear
Close	s List					
Close ompromised Cards Date	<mark>s List</mark> Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
Close ompromised Cards Date 01-12-2009	s List Time 12:44:14 PM	Merchant Name/Terminal ID Test PF Changs / 482	Card Number 569421	Merchant Flagged YN N	Card Flagged YN Y	Transaction Posted YN N
Close mpromised Cards Date 01-12-2009 11-24-2008	s List Time 12:44:14 PM 10:37:47 AM	Merchant Name/Terminal ID Test PF Changs / 482 Test TJ Maxx / 372284	Card Number 569421 569421	Merchant Flagged YN N	Card Flagged YN Y Y	Transaction Posted YN N
Close mpromised Cards Date 01-12-2009 11-24-2008 12-01-2008	s List Time 12:44:14 PM 10:37:47 AM 11:45:25 AM	Merchant Name/Terminal ID Test PF Changs / 482 Test TJ Maxx / 372284 Test PF Changs / 482	Card Number 569421 569421 569421	Merchant Flagged YN N N	Card Flagged YN Y Y Y	Transaction Posted YN N N
Close mpromised Cards Date 01-12-2009 11-24-2008 12-01-2008 12-05-2008	s List Time 12:44:14 PM 10:37:47 AM 11:45:25 AM 06:50:54 AM	Merchant Name/Terminal ID Test PF Changs / 482 Test TJ Maxx / 372284 Test PF Changs / 482 Test PF Changs / 482	Card Number 569421 569421 569421 569421	Merchant Flagged YN N N N	Card Flagged YN Y Y Y Y	Transaction Posted YN N N N
Close pate Date 01-12-2009 11-24-2008 12-01-2008 12-05-2008 12-08-2008	s List Time 12:44:14 PM 10:37:47 AM 11:45:25 AM 06:50:54 AM 07:10:08 AM	Merchant Name/Terminal ID Test PF Changs / 482 Test TJ Maxx / 372284 Test PF Changs / 482 Test PF Changs / 482 Test PF Changs / 482	Card Number 569421 569421 569421 569421 569421	Merchant Flagged YN N N N N	Card Flagged YN Y Y Y Y Y	Transaction Posted YN N N N N

Field	Description			
Search Criteria				
Card Number	Card numbers of the card transaction for searching.			
	If many card numbers to specify, each card number can be separated by			
	comma, space, or new line.			
	If this field has a value, the include Known Compromised Card Numbers			
	indicator can be OFF otherwise this Card Number field will be required.			
	Note: The maximum length for this field is 300 characters			
Start Date	The start date of card transaction's transmission date time for searching			
End Date	The end date of card transaction's transmission date time for searching.			
Include Known	Indicator to include compromised card uploaded by Compromised Card			
Compromised Card	Import application recorded in the OSIEXTN schema for searching.			
Numbers				
	Default = ON = Include the known compromised cards.			
	If this indicator is ON, the Card Number field can be null otherwise the			
	Card Number field will be required.			
Close <button></button>	If clicked, the screen will close.			
Query <button></button>	If clicked, the application will search the card transactions according to			
	the above criteria.			
Clear <button></button>	If clicked, the screen will clear values of the Card Number, Start Date,			
	End Date fields and grid details. Also making the Include Known			
	Compromised Card Numbers indicator to be ON.			
	Compromised Card List			
Date	The card transaction's transmission date.			
lime	The card transaction's transmission time.			
Merchant	I he merchant name of the card transaction will be displayed. If the			
Name/Terminal ID	dianeward instead			
Card Number	displayed instead.			
Card Number	The card number of card transaction.			
	transaction is flagged and currently active			
Cord Eloggod VN	The indicator will be "V" when the card number of the card transaction is			
Calu Flaggeu TN	flagged and currently active			
Transaction Posted	The indicator will be "Y" when the card transaction has been posted			
YN	The indicator will be it when the card transaction has been posted.			
Card Flag <button></button>	If clicked, the card number of the selected row in this data grid will be			
	record as compromised card flagged in CardFlagged table of OSIEXTN			
	schema with the NoteText field value as "Flagged by [SAFUser] on			
	[Current Date Time in MM/DD/YYYY HH:MI:SS AM format]".			
	· · · · · · · · · · · · · · · · · · ·			
	The application will display a "The card has been flagged" or "The card			
	has been re-flagged" message. Please see the application messages			
	section for more details on these messages.			
Next <button></button>	If clicked, the Debit Card Fraud Maintenance screen will be displayed			

with the current input start date and end date derived.

Navigation:

Transactions > Other > Merchant Fraud Finder.

Screen Appearance (Merchant Fraud Finder):

Т	ansaction Express	Deposit Transactions	Loan Transactions	SDB Transactions	Other Teller My F	orms System Lo	gout
f	iserv.						
Sen	Tickler Credit Car	d Processor Credit (Card Processor Cred	it Card Processor			
lices	Merchant Frauc	l Finder					
Fa	Search Criteria						
vorites Help	Merchant Nam	e/Terminal ID » Start Date » 05-17-2	000			End Date » 07-16 Query	-2015 🜩 🏢 Clear
l	Close Compromised Card	ls List					
	Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
	01-12-2009	12:44:14 PM	Test PF Changs / 482	569421	N	Y	N
	10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	N	N	N
	11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	Y	N
	12-01-2008	11:45:25 AM	Test PF Changs / 482	569421	N	Y	N
	12-05-2008	06:50:54 AM	Test PF Changs / 482	569421	N	Y	N
	12-08-2008	07:10:08 AM	Test PF Changs / 482	569421	N	Y	N
	12-17-2008	02:01:27 PM	Test PF Changs / 482	569421	N	Y	N
	12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	N	N	N
	12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	N	N	N

Field	Description		
	Search Criteria		
Merchant Name/Terminal ID	The merchant name where the card transaction occurred. Users also can search by Terminal ID for records that have no associated merchant name. The field is enabled to use wild card searching for easier searching.		
Start Date	The start date of card transaction's transmission date time for searching.		
End Date	The end date of card transaction's transmission date time for searching.		
Close <button></button>	If clicked, the screen will close.		
Query <button></button>	If clicked, the application will search and display card transactions according to the above criteria.		
Clear <button></button>	If clicked, the screen will clear values of the Merchant Name/Terminal ID, Start Date, End Date fields and grid details.		
Compromised Cards List			
Date	The card transaction's transmission date.		
Time	The card transaction's transmission time.		
Merchant	The merchant name of the card transaction will be displayed. If the		

Name/Terminal ID	merchant name is null, the terminal id of the card transaction will be displayed instead.
Card Number	The card number of card transaction.
Merchant Flagged YN	The indicator will be "Y" when the merchant name/terminal id of the card transaction is flagged and currently active.
Card Flagged YN	The indicator will be "Y" when the card number of the card transaction is flagged and currently active.
Transaction Posted YN	The indicator will be "Y" when the card transaction has been posted.
Card Flag <button></button>	If clicked, the card number of the selected row in this data grid will be record as compromised card flagged in CardFlagged table of OSIEXTN schema with the NoteText field value as "Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]". The application will display a "The card has been flagged" or "The card has been re-flagged" message. Please see the application messages
Merchant Flag <button></button>	section for more details on these messages. If clicked, the merchant name/terminal id of the Merchant Name/Terminal ID dropdown list will be record as a compromised merchant flagged in MerchantFlagged table of OSIEXTN schema with the NoteText field value as "Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]".
	The application will display a "The merchant has been flagged" or "The merchant has been re-flagged" message. Please see the application messages section for more details on these messages.

Navigation:

Transactions > Other > Debit Card Fraud Finder > input Search Criteria then click Query button to search card transactions, when the result of searching displayed in the Compromised Cards List then click Next button.

Screen Appearance (Debit Card Fraud Maintenance):

Debit Card Fraud Maintenance							
Search Criteria							
Start Date » 05-17-2000 🗢 🏢 End Date » 07-16-2015 🜩 🏢						6-2015 🜩 🏢	
Merchant Nam	e/Terminal ID » Tes	t PF Changs / 4826193					•
					Merchant Flag	Query	Clear
Previous							
Compromised Ca	ards List						
Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs /	569421	500.00	Dennis Okin		N
12-01-2008	11:45:25 AM	Test PF Changs /	569421	500.00	Dennis Okin		N
12-05-2008	06:50:54 AM	Test PF Changs /	569421	500.00	Dennis Okin		N
12-08-2008	07:10:08 AM	Test PF Changs /	569421	500.00	Dennis Okin		N
12-17-2008	02:01:27 PM	Test PF Changs /	569421	500.00	Dennis Okin		N

Field	Description			
	Search Criteria			
Start Date	The start date of card transaction's transmission date time for searching.			
	Derived from the Debit Card Fraud Finder screen.			
End Date	The end date of card transaction's transmission date time for searching.			
	Derived from the Debit Card Fraud Finder screen.			
Merchant	The list of all Merchant Name/Terminal ID occurred in the card			
Name/Terminal ID	transaction according to the Start Date and End Date field values.			
	The merchant name of the card transaction will be displayed. If the			
	merchant name is null, the terminal id of the card transaction will be displayed instead.			
Previous <button></button>	If clicked, the Debit Card Fraud Finder screen will be displayed.			
Merchant Flag <button></button>	If clicked, the merchant name/terminal id of the Merchant Name/Terminal ID dropdown list will be record as compromised merchant flagged in MerchantFlagged table of OSIEXTN schema with the NoteText field value as "Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]".			
	The application will display a "The merchant has been flagged" or "The			

merchant has been re-flagged" message. Please see the application
messages section for more details on these messages
If clicked, the application will search the card transactions according to
the above criteria.
If clicked, the screen will clear values of the Merchant Name/Terminal ID
field and also clears grid details.
Compromised Card List
The card transaction's transmission date.
The card transaction's transmission time.
The merchant name of the card transaction will be displayed. If the
merchant name is null, the terminal id of the card transaction will be
displayed instead.
The card number of card transaction.
The amount of the card transaction.
The name of the account primary owner of the card transaction.
The account number of card transaction.
The indicator will be "Y" when the card transaction has been posted.

Navigation:

Transactions > Other > Card Flagged List.

Screen Appearance (Card Flagged List):

Card Flagged List					
Card Flagged List			\$		
Card Number	Effective Date	Inactive Date	Flagged YN		
123456	01-01-2008		Y		
4011323456787654	08-01-2014		Y		
569421	01-01-2008		Y		
569421569421	08-01-2014		Y		
6011937883372637	08-01-2014		Y		
Card Flagged Maintena	Card Flagged Maintenance				
Card Number	» 4011323456787654				
Effective Date	» 08-01-2014	Inactive Date	+ 		
Remark	Remark				
Note Flagged by Batch on 04/03/2015 01:13:16 PM					
Close		O Close 💿	Clear C Review Process		

Field	Description
Card Number	The card number has been flagged.
Effective Date	The effective date of the card flagged.
Inactive Date	The inactive date of the card flagged.
Flagged YN	The indicator will be displayed "Y" when the card is flagged and currently
	active.
Edit <button></button>	If clicked, the screen will display the Card Flagged Maintenance box at
	the bottom of the screen.
	Card Flagged Maintenance
The information of this	s box will display according to the selected row in the Card Flagged List
data grid above.	
Card Number	The card number has been flagged.
Effective Date	The effective date of the card flagged.
Inactive Date	The inactive date of the card flagged.
Remark	The user remark text of the Card flagged maintenance.
Note	The system generated text of the Card flagged maintenance.
Clear <button></button>	If clicked, the field values of the Inactive Date and Remark will be cleared
	and set values to be the last saved values.
Close <button></button>	If clicked, the screen will be closed.
Process <button></button>	If clicked, the field values of the Inactive Date and Remark will be saved

Navigation:

Transactions > Other > Merchant Flagged List.

Screen Appearance (Merchant Flagged List):

Merchant Flagged L	_ist		
Merchant Flagged List			\$
Merchant	Effective Date	Inactive Date	Flagged YN
Test PF Changs / 4826193	07-16-2015		Y
Auto Hide	enance		Edit
Merchant ×	> Test PF Changs / 4826193		
Effective Date ×	07-16-2015 💠 🏢	Inactive Date	+ *
Remark			
Note	Flagged by Tony Casano on 0	9/01/2015 03:06:42 PM	
Close		€ Close C Cle	ar O Review Process

Field	Description	
Merchant Name	The merchant name that has been flagged.	
Effective Date	The effective date of the merchant name that has been flagged.	
Inactive Date	The inactive date of the merchant name that has been flagged.	
Flagged YN	The indicator will be displayed "Y" when the merchant name is flagged	
	and currently active.	
Edit <button></button>	If clicked, the screen will display the Merchant Flagged Maintenance box	
	at the bottom of the screen.	
Merchant Flagged Maintenance		
The information of this box will display according to the selected row in the Merchant Flagged		
List data grid above.		
Merchant Name	The merchant name that has been flagged.	
Effective Date	The effective date of the merchant name that has been flagged.	
Inactive Date	The inactive date of the merchant name that has been flagged.	
Remark	The user remark text of the merchant name that has been flagged	
	maintenance.	
Note	The system generated text of the Merchant Name that has been flagged	
	in maintenance.	
Clear <button></button>	If clicked, the field values of the Inactive Date and Remark will be cleared	
	and set values to be the last saved values.	

Close <button></button>	If clicked, the screen will be closed.
Process <button></button>	If clicked, the field values of the Inactive Date and Remark will be saved

Additional Requirements:

DNA 4.1 or higher.

Configuration Checklist:

	Test	Production
Item	Environment	Environment
Ensure the User has been granted 'TXIN – Transaction		
Inquiry' Authorization Item to consolidate with Transaction		
module screen for using five custom screens of the Debit		
Card Fraud Finder application.		
Ensure the Calculation Variable Value for DCBD (Number		
of Back Date Query Days) has been set up for the Debit		
Card Fraud Finder Calculation Type (default value is 60)		
Ensure the CompromisedCardImport.sqt application is in		
the DNA Creator application directory (typically		
G:\OSI\Bank\Bat_exe\EXTNS\)		
Ensure the CompromisedCardWatchList.sqt application is		
in the DNA Creator application directory (typically		
G:\OSI\Bank\Bat_exe\EXTNS\)		
Ensure the CompromisedMerchantWatchList.sqt		
application is in the DNA Creator application directory		
(typically G:\OSI\Bank\Bat_exe\EXTNS\)		
Ensure the DCFFTABLEPURGE.sqt application is in the		
DNA Creator application directory (typically		
G:\OSI\Bank\Bat_exe\EXTNS\)		
Set up Queue Application Parameters		

Revisions:

Date	App Version #	Change
10/2016	1.0.1.0	Added Debit Card Fraud Finder Purge batch application. Updated code to handle Merchant Descriptions with exception formats.
10/2015	1.0.0.0	Application Created