



CitiDirect® for Securities – New Features

February 2019

## Release News

Dear Client:

The Markets and Securities Services team is pleased to announce that the **Fund Services Reporting** application is undergoing an infrastructure upgrade to strategic technology.

The following enhancements have been made to improve user interface for executing online reports:

- Tab-based Package navigation
- Additional formats available – unformatted Excel (XLU) and Excel Webprint (XLD)
- Scrollable grid to eliminate pagination
- Additional information, in case of unsuccessful execution (Technical Difficulties)

**Migration is in progress as per the previous notification sent out in November 2018.** The value “ZEUS” for “Execution Source” parameter will not be available, upon completion of the migration.

As part of this transition, the Markets and Securities Services team would like to make you aware of the known differences between the Legacy version and New version, based on features associated with the underlying technology. The subsequent pages provide the details.

If you have questions regarding any of the information in this *RELEASE NEWS*, or if you would like more information, please contact your Client Services Officer or your Citi Account Manager.

Thank you,

The Markets and Securities Services Team

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## File Output Differences

- ❑ Sorting differences – The order might be different between Legacy version and New version.
- ❑ Rounding differences – differences in the presentation of numeric values (details below).

Legacy version – some figures in scientific notation and larger number of decimal places



```
1 set Type,"Units","Sec Identifier","Sec Description","CCY","Domestic","Av. Cost","Local Book Val.,"Position Accounting Market Value (Local CCY),"Accounting Price (Local CCY),"Valn Book Val.,"Accr  
2 JURED INTEREST DEBT,"0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","1.44","1.44","0","0.000001653","0.000001653","10055","11-Nov-2017"  
3 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","2.87","2.87","0","0.000003306","0.000003306","10055","11-Nov-2017"  
4 total,"ACCURED INTEREST DEBT","0","0.000003306","0.000003306","0.000003306","0.000003306","0.000003306","0.000003306","0.000003306","0.000003306","10055","11-Nov-2017"  
5 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","1.44","1.44","0","0.000001653","0.000001653","10055","11-Nov-2017"  
6 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","2.87","2.87","0","0.000003306","0.000003306","10055","11-Nov-2017"  
7 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","1.44","1.44","0","0.000001653","0.000001653","10055","11-Nov-2017"  
8 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","2.87","2.87","0","0.000003306","0.000003306","10055","11-Nov-2017"  
9 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","1.44","1.44","0","0.000001653","0.000001653","10055","11-Nov-2017"  
10 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","2.87","2.87","0","0.000003306","0.000003306","10055","11-Nov-2017"  
11 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","1.44","1.44","0","0.000001653","0.000001653","10055","11-Nov-2017"  
12 "0","MFG121101GBP","Accrued interest debt","GBP","UNITED KINGDOM","0","2.87","2.87","0","0.000003306","0.000003306","10055","11-Nov-2017"
```



New version – no scientific notation and less decimal places in some cases

❑ Minor differences in Report presentation

1. Slight differences between Legacy version and New version – row height, fonts and colors are standardized for all reports in New version
2. No grey lines at end of the report – page is blank as standardised feature in New version
3. Slight difference in the logo presentation

By Type

Asset Type	Units	Sec. Identifier	Sec. Description	CCY	Domicile	Av. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)	Vain Book Val.	Accounting Market Value (VCT)	Unrealized Accounting Total GL (Val CCY)	% Total Clean Accounting Market Value	Manager ID
CASHEQUVALENTS	0.00	MFQ141001GBP	Cash	GBP	UNITED KINGDOM	0.00	-1,050,000.00	-1,050,000.00	0.000	-1,050,000.00	-1,050,000.00	0.00	-9.46%	10000
<b>Sub Total</b>	0.00	MFQ141001GBP	Cash	GBP	UNITED KINGDOM	0.00	-5,250,000.00	-5,250,000.00	0.000	-5,250,000.00	-5,250,000.00	0.00	-47.30%	0
CASHEQUVALENTS	0.00	MFQ141001GBP	Cash	GBP	UNITED KINGDOM	0.00	-1,050,000.00	-1,050,000.00	0.000	-1,050,000.00	-1,050,000.00	0.00	-9.46%	10000
OPTIONS	1,000.00	UD01619	PUT FTSE 100 INDEX 15092019 6100	GBP	UNITED KINGDOM	105.00	1,050,000.00	0.00	0.000	1,050,000.00	0.00	-1,050,000.00	0.00%	10000
OPTIONS	5,000.00	UD01672	PUT FTSE 100 INDEX 20122019 6200	GBP	UNITED KINGDOM	105.00	5,250,000.00	17,400,000.00	348.000	5,250,000.00	17,400,000.00	12,150,000.00	156.76%	0
<b>Sub Total</b>	6,000.00					210.00	6,300,000.00	17,400,000.00	348.000	6,300,000.00	17,400,000.00	11,100,000.00	156.76%	0
<b>Grand Total</b>														

2. Legacy version – grey vertical lines

By Type

Asset Type	Units	Sec. Identifier	Sec. Description	CCY	Domicile	Av. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)	Vain Book Val.	Accounting Market Value (VCT)	Unrealized Accounting Total GL (Val CCY)	% Total Clean Accounting Market Value	Manager ID
CASHEQUVALENTS	0.00	MFQ141001GBP	Cash	GBP	UNITED KINGDOM	0.00	-5,250,000.00	-5,250,000.00	0.000	-5,250,000.00	-5,250,000.00	0.00	-47.30%	0
<b>Sub Total</b>	0.00	MFQ141001GBP	Cash	GBP	UNITED KINGDOM	0.00	-1,050,000.00	-1,050,000.00	0.000	-1,050,000.00	-1,050,000.00	0.00	-9.46%	10000
CASHEQUVALENTS	0.00	MFQ141001GBP	Cash	GBP	UNITED KINGDOM	0.00	-1,050,000.00	-1,050,000.00	0.000	-1,050,000.00	-1,050,000.00	0.00	-9.46%	10000
OPTIONS	1,000.00	UD01619	PUT FTSE 100 INDEX 15092019 6100	GBP	UNITED KINGDOM	105.00	1,050,000.00	0.00	0.000	1,050,000.00	0.00	-1,050,000.00	0.00%	10000
OPTIONS	5,000.00	UD01672	PUT FTSE 100 INDEX 20122019 6200	GBP	UNITED KINGDOM	105.00	5,250,000.00	17,400,000.00	348.000	5,250,000.00	17,400,000.00	12,150,000.00	156.76%	0
<b>Sub Total</b>	6,000.00					210.00	6,300,000.00	17,400,000.00	348.000	6,300,000.00	17,400,000.00	11,100,000.00	156.76%	0
<b>Grand Total</b>														

2. New version – no vertical grey lines at the end of the report

❑ Visual file formats have some differences:

❑ **Cash Statement and GL Movement Report - PDF output**

- Page transition from page 1 to page 2 for instance: If the last line on page 1 does not have the space to fit all text on last row, the remaining text will be moved to the next page. Currently, there is no solution in the New version for this open defect.

New version – line goes to second page because text doesn't fit properly on last row of first page

Account	Balance Status	Valuation Currency	End Date	Start Date	End Date	Suppression Remarks	Valuation Currency	Fund C/C Y	Created On			
Cash		EUR	31-Dec-2017						25-Jan-2019 09:54:33			
Opening Balance	Cash	EUR	01-Dec-2017						0.00			
Closing Balance	Cash	EUR	31-Dec-2017						-2,488,440,268.49			
Opening Balance	Cash	EUR	01-Dec-2017						0.00			
Closing Balance	Cash	EUR	31-Dec-2017						0.00			
Opening Balance	Cash	DKK	01-Dec-2017						-873,158,888.82			
Closing Balance	Cash	DKK	31-Dec-2017						-873,158,888.82			
Opening Balance	Cash	EUR	01-Dec-2017						-7,488,784,484.88			
Closing Balance	Cash	EUR	31-Dec-2017						-4,896,426,882.87			
			01-Dec-2017	01-Dec-2017	01-Dec-2017	CALL DEPOSIT INTERESTING LIQUIDITY FD EUR CHAN INT 4	CR		-30,840.84	-7,488,815,324.88	-27,185.00	-4,896,453,257.76
			01-Dec-2017	01-Dec-2017	01-Dec-2017	COUPON PAYMENT 100000 2 75% VODAFONE GRP PLC 2 75% 01/12/2018	DB		2,750.00	-7,488,812,574.88	2,422.31	-4,896,450,835.45
			01-Dec-2017	01-Dec-2017	01-Dec-2017	COUPON PAYMENT 100000 8 25% BUNLIG LUMEN 10 5% 01-12-2018	DB		5,250.00	-7,488,807,324.88	4,624.41	-4,896,446,211.04
			01-Dec-2017	01-Dec-2017	01-Dec-2017	COUPON PAYMENT 1000000 1 3 THOROUGHO BREW 1 5% 01-12-2018	DB		16,360.00	-7,488,790,974.88	14,401.75	-4,896,431,809.29
			01-Dec-2017	01-Dec-2017	01-Dec-2017	COUPON PAYMENT 336000 1 32% FRANKFURT 1 325% 01-12-2018	DB		54,713.75	-7,488,736,260.94	48,194.10	-4,896,383,615.19
			01-Dec-2017	01-Dec-2017	01-Dec-2017	COUPON PAYMENT 800000 1 32% SAKSBEIT KAPPA 3 25% 01-06-2017	DB		9,750.00	-7,488,726,510.94	8,888.20	-4,896,375,026.99

❑ Visual file formats have some differences.

❑ **Cash Statement and GL Movement Report**

- General Ledger Movement Report – standardized coloring in New version
- In case there is no activity, the extra line in General Ledger Movement does not appear – report standard functionality for reports containing Opening and Closing Balances is applicable in New version.
- In case of no Subtotals (or Grand totals) are required at all, the report will show Open Balance and Movements rows only with no text for "Open Balance".

Legacy version – extra line when no activity and open balance line in yellow

↓

General Ledger Movement Report										
Account		Daily Official		Date Type		Effective Post Date		Created On		10-Jan-2018 05:22:24
Valuation Status		Latest Nav		Valuation Currency		Fund CCY		Page		1 of 402
End Date		Last Month		Suppress Reversals		No				
Fund Code	GL code	Local Currency Code	GL Description	Trade Date	DB/CR	Signed GL Movement (LCY)	Signed GL Movement (FCY)	Balance (LCY)	Balance (FCY)	
Opening Balance	I101	101101		01-Dec-2017				8,830,248,696.29	8,830,248,696.29	
								8,830,248,696.29	8,830,248,696.29	
Closing Balance	I101	101101		31-Dec-2017			0.00	8,830,248,696.29	8,830,248,696.29	
Opening Balance	I101	102101	GBP	01-Dec-2017				6,870,620,852.44	6,870,620,852.44	

New Version – no extra line when no activity, and Opening balance is shown in standard lighter grey color.

↓

General Ledger Movement Report										
Account		Daily Official		Suppress Reversals		No		Created On		31-Jan-2018 09:50:42
Valuation Status		Custom Date (-)		Valuation Currency		Fund CCY		Page		1 of 327
End Date		Effective Post Date		Valuation Version		Latest Nav				
Fund Code	GL code	Local Currency Code	GL Description	Trade Date	DB/CR	Signed GL Movement (LCY)	Signed GL Movement (FCY)	Balance (LCY)	Balance (FCY)	
Opening Balance	I101	101101		01-Dec-2017				8,830,248,696.29	8,830,248,696.29	
Closing Balance	I101	101101		31-Dec-2017			0.00	8,830,248,696.29	8,830,248,696.29	
Opening Balance	I101	102101	GBP	01-Dec-2017				6,870,620,852.44	6,870,620,852.44	
				04-Dec-2017	CR	-3,213,405.12	-3,213,405.12	6,867,407,447.32	6,867,407,447.32	
				02-Dec-2017	CR	-950,540.42	-950,540.42	6,866,456,906.90	6,866,456,906.90	
Closing Balance	I101	102101		31-Dec-2017			-4,163,945.54	6,866,456,906.90	6,866,456,906.90	
Opening Balance	I101	102101		01-Dec-2017				6,866,456,906.90	6,866,456,906.90	

❑ Differences in Column header format for all comparison category reports:

➤ **Example - Trial balance Report**

Legacy version – “Day 1” and “Day 2” text is displayed in Excel output

GL Sub Category	CCY	GL Code	GL Description	GL Balance (LCY) As of Day 1	GL Balance (FCY) As of Day 1
Assets	GBP	102113	Investment Funds - Non-Bond	58,202,394.34	58,202,394.34
	GBP	102114	Investment Funds - Bond	24,744,314.85	24,744,314.85
	GBP	103309	Call Deposit Acc	1,093,541.30	1,093,541.30
	GBP	107112	Dividends receivable - extl fd	250,496.65	250,496.65
	GBP	108006	Tax Reclaim (manual)	338,596.81	338,596.81
	GBP	108112	Tax Reclaimable - Divs Extl Fd	7,229.40	7,229.40
	GBP	110508	AMC Rebate accrual (man)	23,392.25	23,392.25
	GBP	121105	Accrued interest deposit	399.36	399.36
	GBP	141001	Cash	-1,076,672.88	-1,076,672.88
	GBP	141001	Cash	679.25	679.25

New version – actual dates (min of day 1 and max of day 2) are displayed instead of “Day 1” and “Day 2” text.

GL Sub Category	CCY	GL Code	GL Description	GL Balance (LCY) As of 22-Jul-18	GL Balance (FCY) As of 22-Jul-18
Assets	GBP	102113	Investment Funds - Non-Bond	6,540,741.12	6,540,741.12
	GBP	102114	Investment Funds - Bond	8,990,213.30	8,990,213.30
	GBP	103309	Call Deposit Acc	614,261.44	614,261.44
	GBP	107112	Dividends receivable - extl fd	19,300.24	19,300.24
	GBP	108006	Tax Reclaim (manual)	119,678.94	119,678.94
	GBP	108112	Tax Reclaimable - Divs Extl Fd	892.76	892.76
	GBP	110508	AMC Rebate accrual (man)	15,009.26	15,009.26
	GBP	121105	Accrued interest deposit	224.32	224.32
	GBP	141001	Cash	-594,615.96	-594,615.96
	GBP	141001	Cash	7,285.88	7,285.88



❑ Differences in Subtotals and Grand totals display and alignment:

➤ **Example - Trial balance and other Financial Statement reports**

Legacy version – Subtotals at Fund Level Suppressed (defect in Legacy version – Subtotals should be displayed as per report setup) . Share Class section alignment moved to left to respect report configuration.

	A	B	C	D	E	F	G	H
178					GBP		Equalisation - red - O12	
179	Sub Total			Expenses/ Loss				
180				Cambio	GBP		Spot Cambio Account	
181					GBP		Spot Cambio Account	
182					USD		Spot Cambio Account	
183					USD		Spot Cambio Account	
184	Sub Total			Cambio				
185	Sub Total		Equity					
186			Category	Share Class		Position NAV Date 22-Jul-2018		
187			Shares Outstanding	Shareclass Notional Units		122,125,454.1854		Share Class Section
188	Sub Total		Shares Outstanding			122,125,454.1854		
189			Net Asset Value Per Share	Shareclass Notional Units		0.7201		
190			Net Asset	Assets	GBP		Investment Funds - Non-Bond	3
191					GBP		Investment Funds - Bond	4
192					GBP		Call Deposit Acc	
193					GBP		Dividends receivable - extl fd	
194					GBP		Tax Reclam (manual)	
195					GBP		Tax Reclaimable - Divs Extl Fd	
196					GBP		AMC Rebate accrual (man)	
197					GBP		Accrued interest deposit	
198					GBP		Cash	
199					GBP		Cash	
200					GBP		Cash	-1

New version – Subtotals Displayed at Fund Level and Share Class section moved to the left by one cell. Note that this affects all formats including PDF, Excel, CSV.

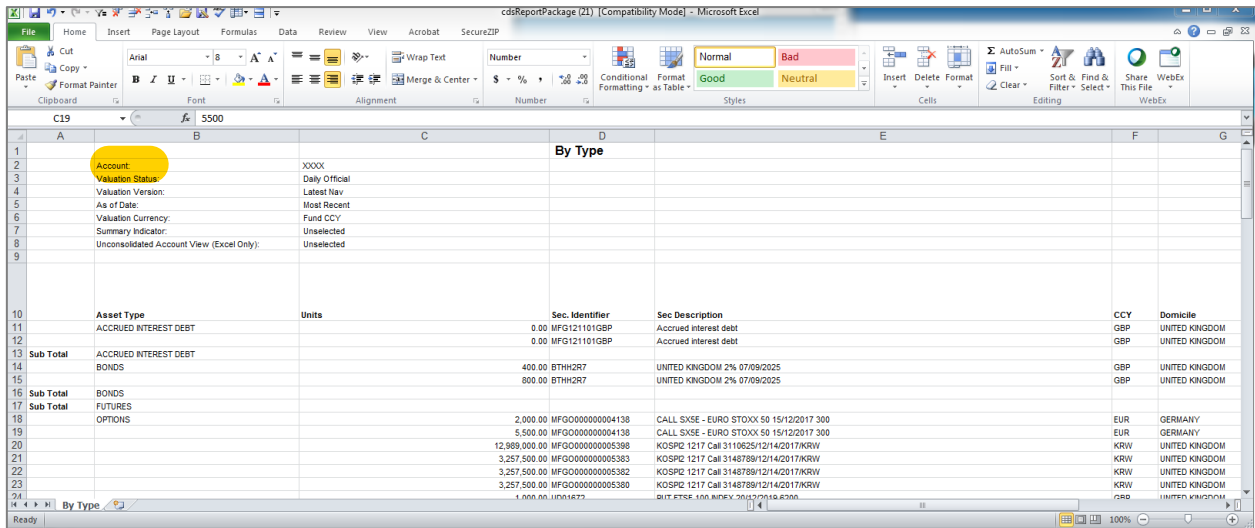
	A	B	C	D	E	F	G	H	I
349					GBP		Equalisation - red - OF	155.34	155.34
350					GBP		Equalisation - red - O11	9,196.72	9,196.72
351					GBP		Equalisation - red - O12	6,976.32	6,976.32
352	Sub Total			Expenses/ Loss					-1,759,353.88
353				Cambio	GBP		Spot Cambio Account	179,148.08	179,148.08
354					GBP		Spot Cambio Account	-179,148.08	-179,148.08
355					USD		Spot Cambio Account	-234,701.90	-179,148.08
356					USD		Spot Cambio Account	234,701.90	179,148.08
357	Sub Total			Cambio					0.00
358	Sub Total		Equity						-24,369,401.90
359	Sub Total	XXXX - Income							0.00
360		Category	Share Class	Position NAV Date 22-Jul-18					Share Class Section
361		Shares Outstanding	Shareclass Notional Units	122,125,454.1854					
362	Sub Total	Shares Outstanding		122,125,454.1854					
363		Net Asset Value Per Share	Shareclass Notional Units	0.7201					
364									
365									
366									
367									

Visual file formats have some minor differences:

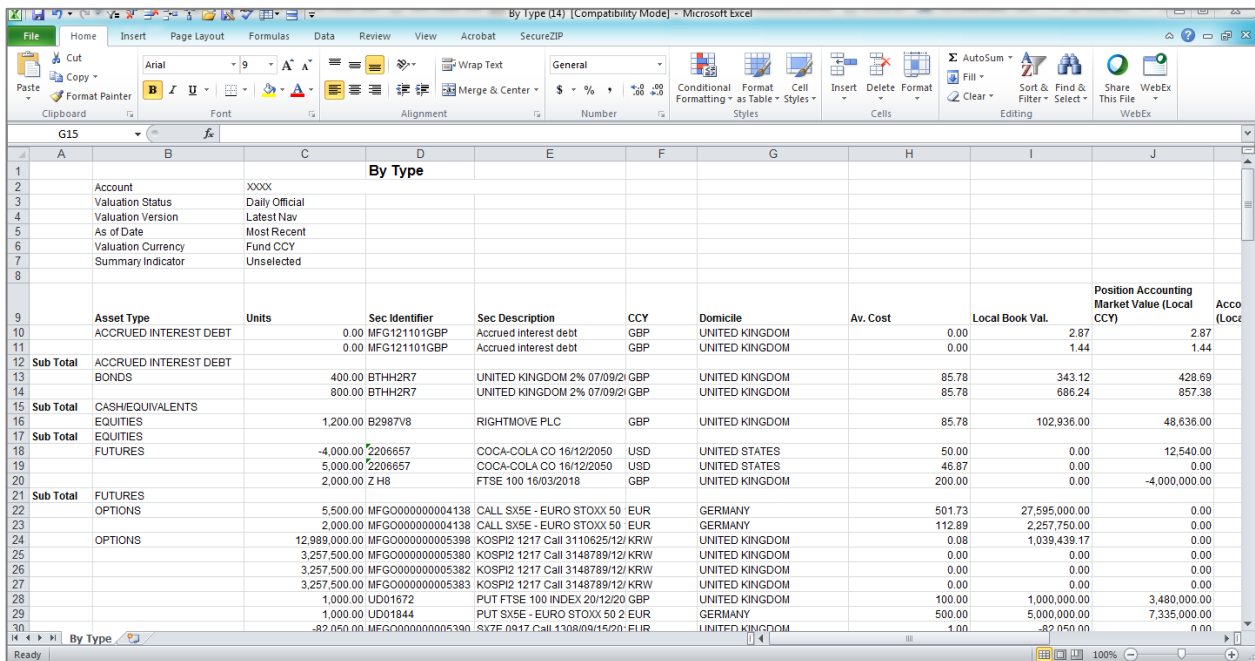
➤ **Excel Export Table** (“XLF – Excel Export Table” in New version)

1. Slight differences in row height
2. Colon (:) on report header label deleted in new version
3. Differences in column width – more consistent approach in New version, driven by the column size in metadata
4. Auto fit available through Packages.

**Legacy version**



**New version**





❑ Visual file formats have some minor differences:

➤ **XLS – Excel Display**

1. Slightly different logo size and position
2. Column lines appear in New version (inconsistent in Legacy version)
3. Column headers in standard white color in New version
4. Report name is displayed on far right in Legacy version, but is in standardized position in the New version

❑ **Note:** If client has a macro on the XLS formatted report, the macro executed against the same report in New version might cause the macro to abort.

Legacy version – Merged cells on report header

citi							By Type	
Account	Valuation Status	Daily Official	Valuation Currency	Fund CCY	Created On			
Multiple Accounts Selected	Latest Nav	Latest Nav	Summary Indicator	Unselected	Page	19-Feb-2018 10:56:20		
As of Date	Most Recent	Most Recent				1 of 124		
Asset Type	Units	Sec. Identifier	Sec Description	CCY	Domicile	Av. Cost	Local Book Val.	P M C
ACCRUED INTEREST DEBT	0.00	MF0121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	7,518,788.77	
ACCRUED INTEREST DEBT	0.00	MF0121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	12,777,240.13	
ACCRUED INTEREST DEBT	0.00	MF0121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	6,376,147.42	
ACCRUED INTEREST DEBT	0.00	MF0121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	22,697,437.92	
ACCRUED INTEREST DEBT	0.00	MF0121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	5,073,278.97	
<b>Sub Total</b>	<b>ACCRUED INTEREST DEBT</b>							
ACCRUED INTEREST DEPOSIT	0.00	MF0121105GBP	Accrued interest deposit	GBP	UNITED KINGDOM	0.00	9,890.79	
ACCRUED INTEREST DEPOSIT	0.00	MF0121105GBP	Accrued interest deposit	GBP	UNITED KINGDOM	0.00	221,912.55	
<b>Sub Total</b>	<b>ACCRUED INTEREST DEPOSIT</b>							
ACCRUED INTEREST MONEY MARKET	0.00	MF0121102GBP	Accrued interest money market	GBP	UNITED KINGDOM	0.00	3,160,309.84	
<b>Sub Total</b>	<b>ACCRUED INTEREST MONEY MARKET</b>							
BONDS	3,018,000.00	B08NPM8	AA BOND CO LTD 2.875% 31/01/2022	GBP	JERSEY	99.98	3,017,305.86	

New version – Unmerged cells on report header and no wrapping on headers

citi									
By Type by Currency									
Account	Valuation Status	Daily Official	Valuation Currency	Fund CCY	Created On				
Multiple Accounts Selected	Latest Nav	Latest Nav	Summary Indicator	Unselected	Page	22-Mar-2018 15:19:04			
As of Date	Most Recent	Most Recent							
Fund Name	Asset Type	CCY	Units	Sec Identifier	Sec Description	Domicile	Av. Cost		
XXXX	ACCRUALS - FEES	EUR		0.00 MFU368500EUR	A/P Misc	EUROPEAN COMMUNITY	0.00		
<b>Sub Total</b>				0.00 MFU268500EUR	S/P Misc	EUROPEAN COMMUNITY	0.00		
<b>Sub Total</b>	ACCRUALS - FEES	EUR							
<b>Sub Total</b>	CASH	CAD		0.00 MFU100000CAD	Cash	CANADA	0.00		
<b>Sub Total</b>		CAD							
<b>Sub Total</b>		CHF		0.00 MFU100000CHF	Cash	SWITZERLAND	0.00		
<b>Sub Total</b>		CHF							
<b>Sub Total</b>		DKK		0.00 MFU100000DKK	Cash	DENMARK	0.00		
<b>Sub Total</b>		DKK							
<b>Sub Total</b>		EUR		0.00 MFU100000EUR	Cash	EUROPEAN COMMUNITY	0.00		
<b>Sub Total</b>		EUR							
<b>Sub Total</b>		GBP		0.00 MFU100000GBP	Cash	UNITED KINGDOM	0.00		
<b>Sub Total</b>		GBP							
<b>Sub Total</b>		ILS		0.00 MFU100000ILS	Cash	ISRAEL	0.00		
<b>Sub Total</b>		ILS							
<b>Sub Total</b>		NOK		0.00 MFU100000NOK	Cash	NORWAY	0.00		
<b>Sub Total</b>		NOK							
<b>Sub Total</b>		SEK		0.00 MFU100000SEK	Cash	SWEDEN	0.00		
<b>Sub Total</b>		SEK							
<b>Sub Total</b>		USD		0.00 MFU100000USD	Cash	UNITED STATES	0.00		
<b>Sub Total</b>		USD							
<b>Sub Total</b>	CASH	USD							
<b>Sub Total</b>	EQUITY (FOREIGN)	CHF		648.00 B11TD81	ALSO Holding AG	SWITZERLAND	43.72		
				9,029.00 BPF0548	AMS AG	AUSTRIA	20.58		

# Additional Formats Available in New version – XLU and XLD

## XLU – Unformatted Excel

	Asset Type	Units	Sec Identifier	Sec Description	CCY	Domicile	Av. Cost	Local Book Val	Position Value
1	ACCRUED INTEREST DEBT		0.00 MFG121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	2.87	
2			0.00 MFG121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	1.44	
3									
4	<b>Sub Total</b>	ACCRUED INTEREST DEBT							
5	BONDS	400.00 BTHH2R7		UNITED KINGDOM 2% 07/09/2025	GBP	UNITED KINGDOM	85.78	343.12	
6		800.00 BTHH2R7		UNITED KINGDOM 2% 07/09/2025	GBP	UNITED KINGDOM	85.78	686.24	
7	<b>Sub Total</b>	BONDS							
8	CASHEQUIVALENTS	0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	44,392.16	
9		0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	-5,000,000.00	
10		0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	-900,000.00	
11		0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	114,800.90	
12		0.00 MFG141001SEK		Cash	SEK	SWEDEN	0.00	-59,150.00	
13		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-19.32	
14		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-101,840.00	
15		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-102,936.00	
16		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-3,000,344.20	

## XLD – Excel Webprint

	Asset Type	Units	Sec Identifier	Sec Description	CCY	Domicile	Av. Cost	Local Book Val.	Market Value (Local CCY)	Accounting Price (Local CCY)
	ACCRUED INTEREST DEBT		0.00 MFG121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	2.87	2.87	
			0.00 MFG121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	1.44	1.44	
	<b>Sub Total</b>	ACCRUED INTEREST DEBT								
	BONDS	400.00 BTHH2R7		UNITED KINGDOM 2% 07/09/2025	GBP	UNITED KINGDOM	85.78	343.12	428.69	107
		800.00 BTHH2R7		UNITED KINGDOM 2% 07/09/2025	GBP	UNITED KINGDOM	85.78	686.24	857.38	107
	<b>Sub Total</b>	BONDS								
	CASHEQUIVALENTS	0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	44,392.16	44,392.16	
		0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	-5,000,000.00	-5,000,000.00	
		0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	-900,000.00	-900,000.00	
		0.00 MFG141001EUR		Cash	EUR	EUROPEAN COMMUNITY	0.00	114,800.90	114,800.90	
		0.00 MFG141001SEK		Cash	SEK	SWEDEN	0.00	-59,150.00	-59,150.00	
		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-19.32	-19.32	
		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-101,840.00	-101,840.00	
		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-102,936.00	-102,936.00	
		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	-3,000,344.20	-3,000,344.20	
		0.00 MFG141001GBP		Cash	GBP	UNITED KINGDOM	0.00	1,189,311.60	1,189,311.60	

## Online Viewer Differences

### Scrolling

- New version – viewer can show all columns across the grid while scrolling.
- Legacy version online viewer requires the user to navigate page by page. New version viewer renders in a scrollable grid, due to which there is no pagination. ‘Go To’ functionality for Legacy version is by page and that for New version, is by row.

### Legacy version

Valuation Status	Daily Official	Valuation Currency	Fund CCY	Created On
ACCRUED INTEREST DEBT		GBP	UNITED KINGDOM	19-Mar-2019 16:34:09
BONDS		GBP	UNITED KINGDOM	
CASH/EQUIVALENTS		EUR	EUROPEAN COMMUNITY	

No scrolling within report, only pages

### New version

Asset Type	Units	Sec Identifier	Sec Description	CCY	Domestic	Av. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)	Valn Book Val.	Accounting M. (CCY)
ACCRUED INTEREST DEBT	0.00	MFQ121101GBP	Accrued interest debt	GBP	UNITED KINGDOM	0.00	2.87	2.87	0.000	2.87	2.87
BONDS	400.00	BTHHQR7	UNITED KINGDOM 2% 07/09/2025	GBP	UNITED KINGDOM	85.78	343.12	428.69	107.172	343.12	428.69
CASH/EQUIVALENTS	0.00	MFQ141001EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	44,392.16	44,392.16	0.000	39,393.60	39,160.66

Scroll possible

☐ Packages

- Legacy version – Report pages show as single report in viewer.
- New version - creates multiple tabs and shows them accordingly to the reports selected in the Package.

☐ TOC (Table of Content) function

- On some reports, Legacy version adds TOC in the viewer which allows for some navigation through the report. New version viewer replicates this functionality with a simple filter on the column.

Legacy version – Package is shown in multiple pages

Asset Type	Units	Sec. Identifier	Sec. Description	CCY	Domestic	A/c. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)
ACCRUALS - FEES	0.00	MPU066500GBP	Accr. Fees	GBP	UNITED KINGDOM	0.00	-41,253.03	-41,253.03	0.00
Sub Total								-246,566.97	
CASH	0.00	MPU100000CAD	Cash	CAD	CANADA	0.00	0.77	0.77	0.00
	0.00	MPU100000EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	14.88	14.88	0.00
	0.00	MPU100000GBP	Cash	GBP	UNITED KINGDOM	0.00	2,248,339.79	2,248,339.79	0.00
	0.00	MPU100000USD	Cash	USD	UNITED STATES	0.00	110.51	110.51	0.00
Sub Total									
EQUITY (FOREIGN)	158,917.00	B7K02PE	Barclays PLC	GBP	UNITED KINGDOM	13.27	1,642,432.12	1,714,899.17	0.00
	155,497.00	B6102PH	Aviva Investors PLC	GBP	UNITED KINGDOM	2.30	372,451.37	199,660.57	0.00
	442,168.00	B0K727S	Aviva PLC	GBP	UNITED KINGDOM	1.25	545,233.54	0.00	0.00
	189,827.00	BK1PT87	Accorato PLC	GBP	UNITED KINGDOM	10.22	2,042,824.37	1,420,769.97	0.00
	182,189.00	BQGMJ4	Abn-Amro Group NV	GBP	UNITED KINGDOM	1.93	309,161.32	507,002.81	0.00
	1,394,471.00	B1X2582	Aviva Investors plc	GBP	UNITED KINGDOM	12.73	17,750,397.04	24,088,092.00	0.00
	172,023.00	D644996	Aviva Investors Group PLC	GBP	UNITED KINGDOM	1.11	190,876.63	280,187.81	0.00
	13,349.00	D036577	Aviva Eastern Payments	GBP	UNITED KINGDOM	6.87	91,757.81	100,117.50	0.00
	345,824.00	D045614	Aviva Group PLC	GBP	UNITED KINGDOM	8.13	2,811,663.79	3,014,968.58	0.00
	3,880,313.00	D214270	Aviva PLC	GBP	UNITED KINGDOM	4.89	17,245,076.81	18,975,693.83	0.00

New version – Package is shown in multiple tabs

TestPackage\_Actuate\_VR

NUMBER OF INQUIRIES: 3

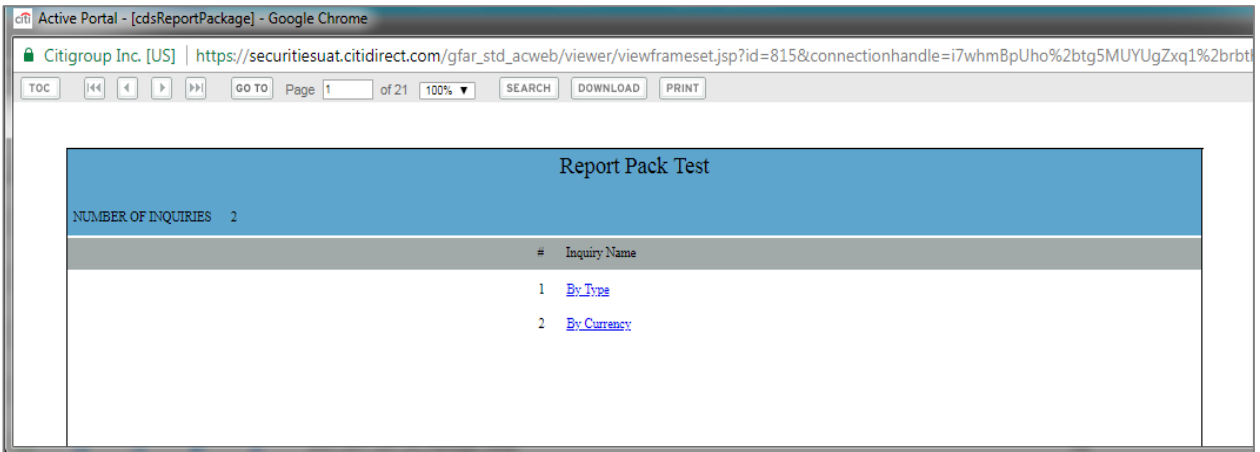
Index Page | By Type | Transaction Report | General Ledger List

Showing 1 - 11 of 229 Row(s) | Go To: | You are at Row: 0

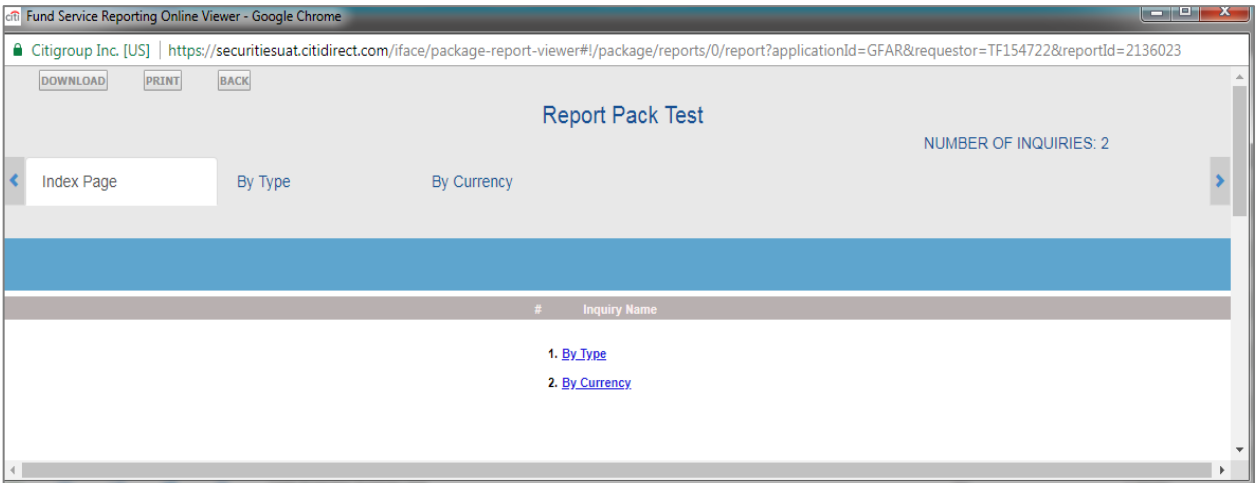
By type

Asset Type	Units	Sec. Identifier	Sec. Description	CCY	Domestic	A/c. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)
ACCRUALS - FEES	0.00	MPU066500GBP	Accr. Fees	GBP	UNITED KINGDOM	0.00	-41,253.03	-41,253.03	0.00
	0.00	MPU066500GBP	Accr. Fees	GBP	UNITED KINGDOM	0.00	-246,566.97	-246,566.97	0.00
Sub Total									
CASH	0.00	MPU100000CAD	Cash	CAD	CANADA	0.00	0.77	0.77	0.00
	0.00	MPU100000EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	14.88	14.88	0.00

## Legacy version – Index Page is shown in first page of the report



## New version – Index Page is shown as first tab



- ❑ Account page differences: area separating report header from body of report and font colors in white and lighter grey, wrapping a bit different

Legacy version – no wrapping on accounts

Citigroup Inc. [US] | https://securitiesuat.citidirect.com/

Account: **Multiple Accounts Selected**

Fund Name	Asset Type	Units	Sec. Identifier	Sec. Description	CCY	Domicile	Avg. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Acce (Loc)
	CASH-EQU/VALENTS		0.00	MFO141001CB*	Cash	GBP	UNITED KINGDOM	0.00	1,073.91	1,073.91

This Inquiry has been executed for the following Accounts:

#	Account (* - Closed Fund)
1	XXXX
2	XXXY

New version – wrapping showing up

Fund Service Reporting Online Viewer - Google Chrome

Citigroup Inc. [US] | https://securitiesuat.citidirect.com/

Showing 123 - 134 of 134 Row(s) Go To: You are at Row: 134

Account: **Multiple Accounts Selected**

Fund Name	Asset Type	Units	Sec. Identifier	Sec. Description	CCY	Domicile	Avg. Cost	Local Book Val.
		1,441,322.81	GSL10IR000038F	Variance Swap/HKD/HANG SENG CHINA ENT INDX/10/02/2017/12/28/2018 Variance Swap-VA	HKD	HONG KONG	0.00	0.00
		-1,441,322.81	GSL10IR000024C	Variance Swap/HKD/HANG SENG CHINA ENT INDX/10/02/2017/12/28/2018 Variance Swap-VA	HKD	HONG KONG	0.00	0.00
		1,441,322.81	GSL10IR000024F	Variance Swap/HKD/HANG SENG CHINA ENT INDX/10/02/2017/12/28/2018 Variance Swap-VA	HKD	HONG KONG	0.00	0.00
		-1,441,322.81	GSL10IR000038C	Variance Swap/HKD/HANG SENG CHINA ENT INDX/10/02/2017/12/28/2018 Variance Swap-VA	HKD	HONG KONG	0.00	0.00
Sub Total	SWAPS							
Sub Total	US-BOND							
Grand Total								

This Inquiry has been executed for the following Accounts:

#	Account (* - Closed Fund)
1	XXXX
2	XXXY



- ❑ Enhancement of the Grid to support drill-thru reports is under development
- ❑ Currently FSR use Active Portal to allow for online Drill-thru report navigation – there are some minor differences on alignment and icon presentation

### Legacy version – Active Portal

Fund Overview										
Fund ID	Fund Name	Valuation Date	NAV Published Date	Upload Time (EST)	Status	CCY	Market Value	Cash Balance		
XXXX	XXXX	29-Jul-2014	06-Nov-2014	06-Nov-2014 16:35:47	Daily Official	GBP	22,322,567.52	5,645,289.43		
XXXX	XXXX	03-Apr-2015	03-Apr-2015	07-May-2015 13:21:38	Restatement Official	GBP	1,010,718,354.18	1,009,939,935.38		
XXXX	XXXX	03-Apr-2015	03-Apr-2015	05-May-2015 13:41:59	Restatement Official	GBP	1,010,249,073.03	1,009,993,330.68		
XXXX	XXXX	04-Apr-2015	04-Apr-2015	06-May-2015 00:26:12	Daily Official	GBP	1,010,249,073.03	1,009,993,330.68		
XXXX	XXXX	06-Apr-2015	07-May-2015	07-May-2015 14:44:42	Daily Official	GBP	1,011,038,076.78	1,010,939,935.38		
XXXX	XXXX	13-Apr-2015	29-Apr-2015	30-Apr-2015 09:47:51	First Intraday unofficial	GBP	10,001,160.00	9,927,153.02		
XXXX	XXXX	13-Apr-2015	29-Apr-2015	30-Apr-2015 09:48:25	Daily Official	GBP	9,856,173.00	9,852,540.34		
XXXX	XXXX	21-Apr-2015	21-Apr-2015	29-Apr-2015 03:49:27	Daily Official	GBP	10,010,000.00	9,500,000.00		
XXXX	XXXX	21-Apr-2015	21-Apr-2015	21-Apr-2015 06:30:38	Daily Official	USD	5,614,863,061.94	10,003,253,234.51		
XXXX	XXXX	21-Apr-2015	21-Apr-2015	21-Apr-2015 06:35:50	Daily Official	USD	5,702,711,346.85	9,987,219,858.46		
XXXX	XXXX	22-Apr-2015	21-Apr-2015	21-Apr-2015 11:46:24	Unofficial Start of Day Nav	USD	5,646,951,109.62	10,099,538,465.26		
XXXX	XXXX	22-Apr-2015	21-Apr-2015	21-Apr-2015 11:46:24	Unofficial Start of Day Nav	USD	5,626,211,538.80	10,003,252,981.22		
XXXX	XXXX	22-Apr-2015	21-Apr-2015	21-Apr-2015 11:46:24	Unofficial Start of Day Nav	USD	5,713,678,355.10	9,987,340,262.12		
XXXX	XXXX	24-Apr-2015	05-May-2015	06-May-2015 02:12:36	First Intraday unofficial	GBP	10,012,783.81	9,985,024.90		
XXXX	XXXX	25-Apr-2015	25-Jun-2015	25-Jun-2015 13:14:19	First Intraday unofficial	GBP	13,657,810.57	9,500,006.59		
XXXX	XXXX	25-Apr-2015	25-Jun-2015	25-Jun-2015 13:14:19	Daily Official	GBP	13,657,810.57	9,500,006.59		
XXXX	XXXX	26-Apr-2015	27-Apr-2015	08-May-2015 02:47:34	Restatement Official	GBP	15,011,749.14	14,981,621.14		
XXXX	XXXX	26-Apr-2015	26-Apr-2015	08-May-2015 02:47:34	Monthly Pseudo back-value unofficial	GBP	15,011,749.14	14,981,621.14		
XXXX	XXXX	26-Apr-2015	07-May-2015	08-May-2015 02:36:47	Daily Official	GBP	15,011,733.15	14,981,621.14		
XXXX	XXXX	26-Apr-2015	26-Apr-2015	08-May-2015 02:56:13	Daily Official	USD	15,020,241.17	14,974,545.97		
XXXX	XXXX	29-Apr-2015	02-Jun-2015	02-Jun-2015 05:46:32	Second Intraday unofficial	USD	225,845,261.74	178,086,154.17		
XXXX	XXXX	30-Apr-2015	30-Apr-2015	30-Apr-2015 05:53:13	Daily Official	GBP	132,404,281.97	39,716,447.02		

### New version – Grid

Fund Services Reporting										
Fund ID	Fund Name	Valuation Date	NAV Published Date	Upload Time (EST)	Status	CCY	Market Value	Cash Balance		
XXXX	XXXX	01-Aug-2013	01-Aug-2013	03-Oct-2013 06:29:44	Daily Official	GBP				
XXXX	XXXX	01-Aug-2013	01-Aug-2013	03-Oct-2013 06:29:43	Daily Official	GBP				
XXXX	XXXX	06-Aug-2013	08-Oct-2013	08-Oct-2013 13:03:37	Second Intraday unofficial	GBP	184.09	184.09		
XXXX	XXXX	12-Aug-2013	28-Aug-2013	28-Aug-2013 14:12:25	Unofficial End of Day	CAD	120,291,787.05	499,434.20		
XXXX	XXXX	21-Aug-2013	28-Aug-2013	28-Aug-2013 03:20:49	Daily Official	GBP	194,266,452.49	18,844.58		
XXXX	XXXX	27-Aug-2013	05-Dec-2013	06-Dec-2013 01:38:10	Daily Official	GBP	187,251,727.15	835,486.18		
XXXX	XXXX	28-Aug-2013	12-Feb-2014	12-Feb-2014 07:09:01	Daily Official	GBP	13,755,537.31	12,193,641.68		
XXXX	XXXX	05-Sep-2013	05-Sep-2013	05-Sep-2013 08:44:39	Daily Official	GBP				
XXXX	XXXX	09-Sep-2013	23-Sep-2013	23-Sep-2013 18:12:49	Daily Official	GBP	-6,980,637.41	-48,813,950.14		
XXXX	XXXX	11-Sep-2013	11-Sep-2013	30-Sep-2013 05:50:33	Daily Official	GBP	461,515.54	-210,083.50		
XXXX	XXXX	11-Sep-2013	11-Sep-2013	27-Sep-2013 04:57:09	Daily Official	GBP	-2,630,026.63	-290,083.25		
XXXX	XXXX	11-Sep-2013	11-Sep-2013	16-Sep-2013 13:07:13	Daily Official	GBP				
XXXX	XXXX	11-Sep-2013	11-Sep-2013	16-Sep-2013 13:10:32	Daily Official	GBP				
XXXX	XXXX	11-Sep-2013	11-Sep-2013	16-Sep-2013 13:10:32	Daily Official	GBP				
XXXX	XXXX	11-Sep-2013	11-Sep-2013	16-Sep-2013 13:10:32	Daily Official	GBP				

SEARCH function

- Legacy version uses a complicated and non-user friendly search option. New viewer replicates this functionality with a simple filter on the column.

Legacy Version

- Click SEARCH
- Click on the column that you want to search
- Type text – must be a complete match

Active Portal - [cdeReportPackage] - Google Chrome

Citigroup Inc. [US] | https://securitiesuat.citidirect.com/

TOC | < | > | GO TO Page 1 of 11 | 100% | SEARCH | DOWNLOAD | PRINT | BACK

New Search Search Now Help Close

Select saved search  
None Selected

Click on a report field to add it to the search

Report Field Value Display

SEARCH NOW

By Type

Account Multiple Accounts Selected  
Valuation Status Daily Official  
Valuation Version Latest Nav  
As of Date Most Recent

Valuation Currency Summary Indicator  
Fund CCY Unselected

NAV date	Account code	Fund Name	Asset Type	Units	Sec Identifier
14-Dec-2017	XXXX	XXXX	CASH/EQUIVALENTS	0.00	MFG141001GBP
14-Dec-2017	XXXX	XXXX	CASH/EQUIVALENTS	0.00	MFG141001GBP
14-Dec-2017	XXXX	XXXX	CASH/EQUIVALENTS	0.00	MFG141001USD
14-Dec-2017	XXXX	XXXX	EQUITIES	10,000.00	2419875
14-Dec-2017	XXXX	XXXX	RECEIVABLES	0.00	MFG107112GBP
11-Nov-2017	XXXX	XXXX	ACCRUED INTEREST DEBT	0.00	MFG121101GBP
11-Nov-2017	XXXX	XXXX	ACCRUED INTEREST DEBT	0.00	MFG121101GBP
11-Nov-2017	XXXX	XXXX	BONDS	400.00	BTHH2R7
11-Nov-2017	XXXX	XXXX	BONDS	800.00	BTHH2R7
11-Nov-2017	XXXX	XXXX	CASH/EQUIVALENTS	0.00	MFG141001EUR
11-Nov-2017	XXXX	XXXX	CASH/EQUIVALENTS	0.00	MFG141001EUR

New version

- No SEARCH button
- Click the filter icon on the column, type text to search

Showing 1 - 11 of 18 Row(s) Go To: You are at Row: 2

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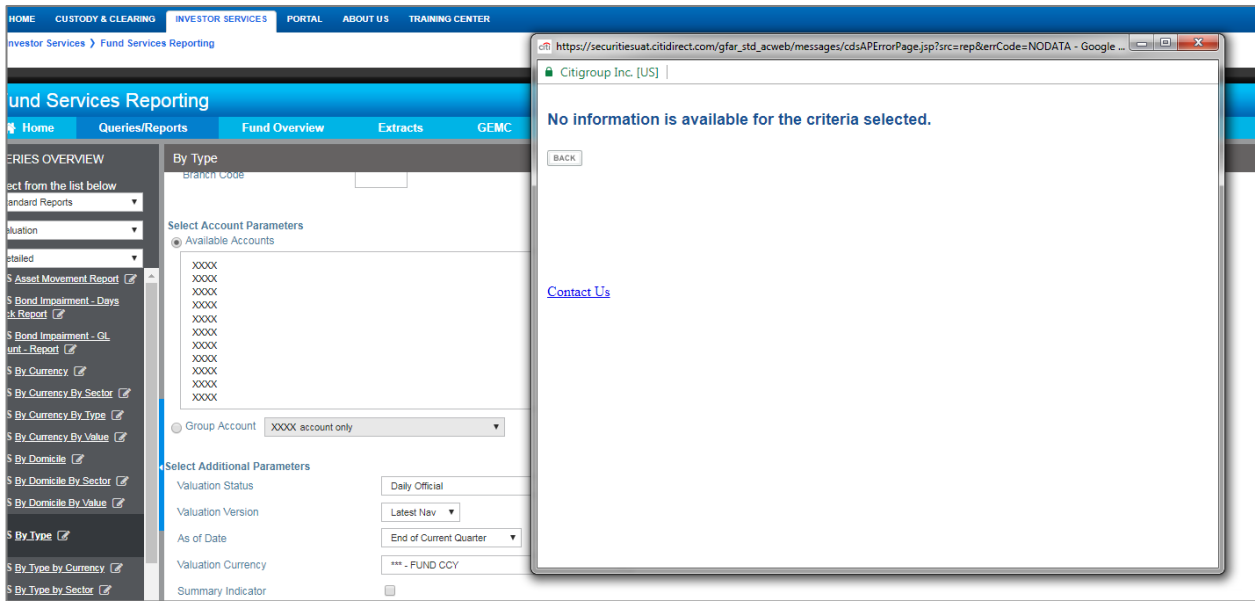
By Type

Account Multiple Accounts Selected  
Valuation Status Daily Official  
Valuation Version Latest Nav  
As of Date Most Recent

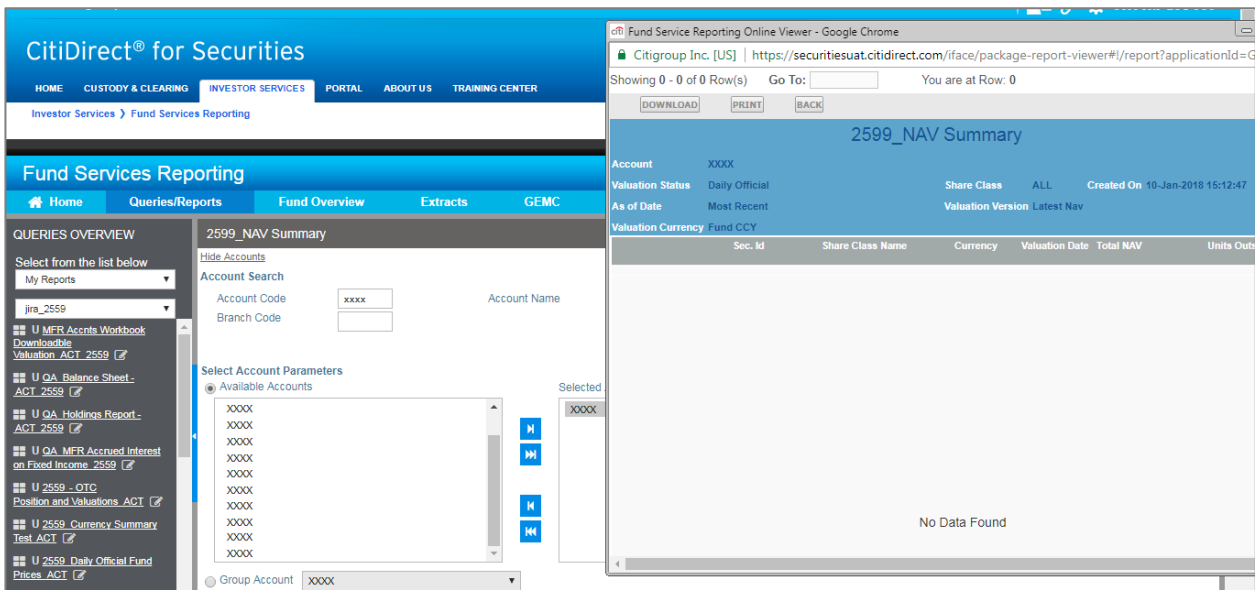
Valuation Currency Summary Indicator  
Fund CCY Unselected  
Created On 09-Mar-2018 16:58:41

Fund Name	Asset Type	Units	Sec Identifier	Sec Description	CCY	Domicile	Av. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)
XXXX	CASH/EQUIVALENTS	0.00	MFG141001GBP	Cash	cash	SDOM	0.00	0.01	0.01
		0.00	MFG141001GBP	Cash	GBP	UNITED KINGDOM	0.00	1,073.94	1,073.94
		0.00	MFG141001USD	Cash	USD	UNITED STATES	0.00	-200,000.00	-200,000.00
	CASH/EQUIVALENTS	0.00	MFG141001EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	-5,000,000.00	-5,000,000.00
		0.00	MFG141001EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	114,800.90	114,800.90
		0.00	MFG141001EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	44,362.16	44,362.16
		0.00	MFG141001EUR	Cash	EUR	EUROPEAN COMMUNITY	0.00	-900,000.00	-900,000.00

Legacy version displays a blank page if no data is retrieved.



New version displays "No Data Found" message for individual reports as well as packages as standard when no data is retrieved.



Legacy version – Technical Difficulties Display

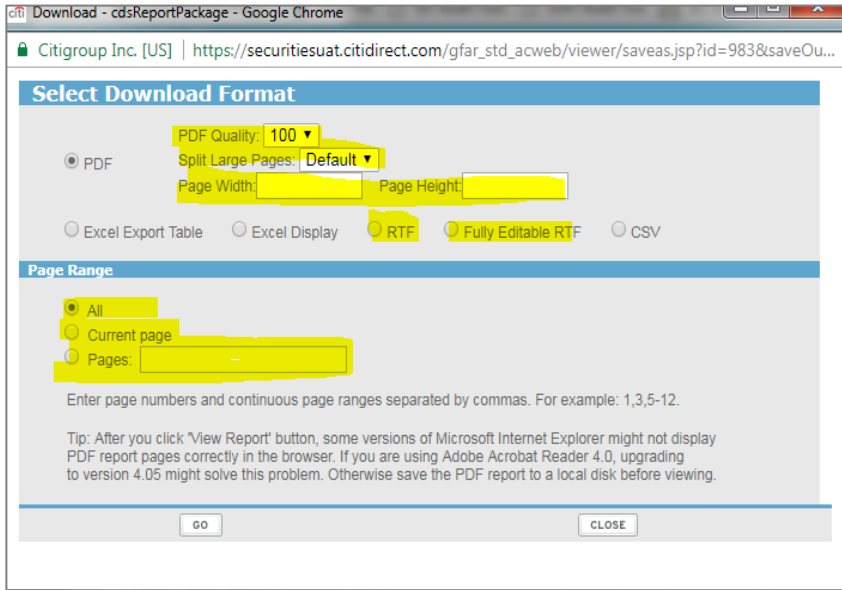


New version – Technical Difficulties Display – some valuable additional information to help debugging the problem: Job ID and date and time of the issue.

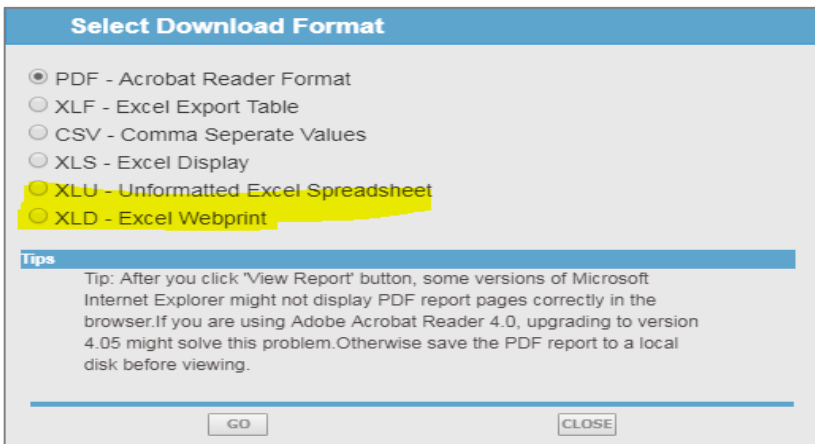


Legacy version provides a couple of extra parameters not supported by New version (PDF Quality, Split Large Pages, Page With, Page Height, Page range).

RTF and Fully Editable RTF have not seen much usage and are also not currently supported by New version.



New version provides two additional formats (XLU and XLD).



❑ Reports with a Non-Grid Format

- ❑ Reports that are unsuitable to show in the New version viewer grid format will be rendered in the embedded PDF viewer. The same download and print options are available to export the report to other formats – this is the case for Drilldown reports (Account Detail, Security Detail, etc.).

❑ Drill down reports in New version have a better design and now include the Citi logo.

Legacy version

Security ID	MFGS00000048577	Sector	GOVERNMENT
Security Version	1	Security Type	L8 GOVERNMENT BONDS
Version Date	15-Nov-17 05:21:05 AM	Domicile	UNITED KINGDOM
Security description	UNITED KINGDOM 2% 07/09/2025	Issuer Location	GB UNITED
Company Name	UNITED KINGDOM 2% 07/09/2025	Industry	Unclassified
Denominated	GBP	Maturity Date	07-Sep-25
Income Currency		Qty. Rating Src.	
Current Interest Rate	2.00	Qty. Rating	
Issue Date	10-Mar-15	Option Type	
Sec. Identifier	SEDOL BTHH2R7	BLOOMBERG ID	
ISIN	GB00BTHH2R79	SNP ID	
CUSIP		Quick Code	
Ticker Symbol			

New version

Security ID	MFGS00000048577	Sector	GOVERNMENT
Security Version	1	Security Type	L8 GOVERNMENT BONDS
Version Date	15-Nov-17 12:00:00 AM	Domicile	UNITED KINGDOM
Security description	UNITED KINGDOM 2% 07/09/2025	Issuer Location	GB UNITED KINGDOM
Company Name	UNITED KINGDOM 2% 07/09/2025	Industry	Unclassified
Denominated	GBP	Maturity Date	07-Sep-25
Income Currency		Qty. Rating Src.	
Current Interest Rate	2.0	Qty. Rating	
Issue Date	10-Mar-15	Option Type	
Sec. Identifier	SEDOL BTHH2R7	BLOOMBERG ID	
ISIN	GB00BTHH2R79	SNP ID	
CUSIP		Quick Code	
Ticker Symbol			



## Disclaimer functionality – Single report online execution

### Legacy version – displays as a separated page at the end of the report

Active Portal - [cdfsReportPackage] - Google Chrome

Secure | [https://securitiesuat.citidirect.com/gfar\\_std\\_acweb/viewer/viewframeset.jsp?id=116&connectionhandle=i7whmBpUho%2btg5MUYUgZxq1%2brbtKHLkAq7Rmnw5begyRYEMWxKR8sxq0mQC...](https://securitiesuat.citidirect.com/gfar_std_acweb/viewer/viewframeset.jsp?id=116&connectionhandle=i7whmBpUho%2btg5MUYUgZxq1%2brbtKHLkAq7Rmnw5begyRYEMWxKR8sxq0mQC...)

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### New version – displays at the bottom of the grid

Fund Service Reporting Online Viewer - Google Chrome

Secure | <https://securitiesuat.citidirect.com/iface/package-report-viewer#/report?applicationId=GFAR&requestor=SS45315&reportId=2471760>

Asset Type	Units	Sec Identifier	Sec Description	CCY	Domicile	Avg Cost	Local Book Val.	Market Value (Local CCY)	Market Value (USD)
ACCRUED INTEREST DEBT	0.00	MFG121101USD	Accrued interest debt	USD	UNITED STATES		0.00	819,887.06	819,887.06
ACCRUED INTEREST DEBT	0.00	MFG121101USD	Accrued interest debt	USD	UNITED STATES		0.00	4,722,908.34	4,722,908.34
ACCRUED INTEREST DEBT	0.00	MFG121101USD	Accrued interest debt	USD	UNITED STATES		0.00	3,596,054.85	3,596,054.85
<b>Sub Total</b>									
ACCRUED INTEREST MONEY MARKET	0.00	MFG121102USD	Accrued interest money market	USD	UNITED STATES		0.00	1,032,099.99	1,032,099.99
<b>Sub Total</b>									
BONDS	973,000.00	BJWQ023	1ST QUANTUM 7% 15/02/2021 USD 1000	USD	CANADA	95.97	943,508.29	952,730.00	
	1,000,000.00	BSNBK06	AAREAL BANK AG 7.625% 28/11/2049	EUR	GERMANY	98.48	984,800.00	1,054,057.10	
	842,000.00	B3YKX3	ALCOA INC 5.4% 15/04/2021	USD	UNITED STATES	103.08	867,736.00	885,476.05	
	1,288,000.00	BPQ24X8	ALLIANCE DATA 6.375% 31/03/2022	USD	UNITED STATES	100.75	1,297,880.00	1,299,538.29	
	1,301,000.00	BDBNUY0	ALLISON 4.75% 31/10/2022	USD	UNITED STATES	100.42	1,308,417.50	1,228,029.88	
	1,758,000.00	BDCBV94	ALLY FINANCIAL INC 8.75% 20/11/2025	USD	UNITED STATES	102.18	1,794,333.44	1,831,727.50	
	450,000.00	BVV8N00	ALTICE FIN SA 5.25% 15/02/2023	EUR	LUXEMBOURG	106.30	478,380.00	469,049.40	
	325,000.00	BH5GGW5	ALTICE FINCO SA 8.125% 15/01/2024	USD	LUXEMBOURG	108.12	351,406.25	328,063.81	
	790,000.00	BLWF9Y6	ALTICE SA 7.25% 15/05/2022	EUR	LUXEMBOURG	108.51	841,408.25	797,147.53	
	1,170,000.00	BLWF9X5	ALTICE SA 7.75% 15/05/2022	USD	LUXEMBOURG	104.71	1,225,149.52	1,139,404.50	
	850,000.00	BP83Z25	AMER AIRLINES GRP 5.625% 15/01/2021	USD	UNITED STATES	100.31	846,826.42	857,429.18	
	183,000.00	BD1MLG8	AMERON CORP 6.375% 01/02/2023	USD	UNITED STATES	100.25	183,450.00	187,868.33	

**Footnote with Disclaimer Display**

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## Disclaimer functionality – Package online execution

### Legacy version – displays as a separated page at the end of the report



### New version– displays as a separated tab at the end



# Footnotes – Report online execution

## Legacy version – displays at the end of the report

Active Portal - [cidsReportPackage] - Google Chrome  
 Secure | https://securitiesuat.citidirect.com/

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**QA\_By Type\_3033\_Ftnt & Disclaimer**

Account: XXXX  
 Valuation Status: Daily Official  
 Valuation Version: Latest Nav  
 As of Date: Most Recent

Valuation Currency: Summary Indicator  
 Fund CCY: Unselected  
 Created On Page: 28-Aug-2018 11:51:34 97 of 98

Asset Type	Units	Sec Identifier	Sec Description	CCY	Domicile	Avg. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)
Sub Total	WARRANTS & RIGHTS								
Grand Total									
Footnote with Disclaimer Display									

## New version – displays at the bottom of the grid

Fund Service Reporting Online Viewer - Google Chrome  
 Secure | https://securitiesuat.citidirect.com/iface/package-report-viewer#/report?applicationId=GFAR&requestor=SS45315&reportId=2471760

Asset Type	Units	Sec Identifier	Sec Description	CCY	Domicile	Avg. Cost	Local Book Val.	Position Accounting Market Value (Local CCY)	Accounting Price (Local CCY)
ACCRUED INTEREST DEBT	0.00	MFG121101USD	<a href="#">Accrued interest debt</a>	USD	UNITED STATES	0.00	819,887.08	819,887.08	
	0.00	MFG121101USD	<a href="#">Accrued interest debt</a>	USD	UNITED STATES	0.00	4,722,408.34	4,722,408.34	
	0.00	MFG121101USD	<a href="#">Accrued interest debt</a>	USD	UNITED STATES	0.00	3,596,054.85	3,596,054.85	
Sub Total	ACCRUED INTEREST DEBT								
	ACCRUED INTEREST MONEY MARKET	0.00	MFG121102USD	<a href="#">Accrued interest money market</a>	USD	UNITED STATES	0.00	1,032,099.99	1,032,099.99
Sub Total	ACCRUED INTEREST MONEY MARKET								
BONDS	973,000.00	BJWQ023	<a href="#">1ST QUANTUM 7% 15/09/21 USD1000</a>	USD	CANADA	98.97	943,508.29	982,730.00	
	1,000,000.00	BSNBK08	<a href="#">AAREAL BANK AG 7.625% 20/11/2049</a>	EUR	GERMANY	96.48	964,800.00	1,054,087.10	
	842,000.00	B3YVZX3	<a href="#">ALCOA INC 5.4% 15/04/2024</a>	USD	UNITED STATES	103.08	867,735.00	865,476.05	
	1,288,000.00	BPQ2HX6	<a href="#">ALLIANCE DATA 5.375% 01/08/2022</a>	USD	UNITED STATES	100.75	1,297,680.00	1,299,539.29	
	1,301,000.00	B08NJY0	<a href="#">ALLISON 4.75% 01/10/2027</a>	USD	UNITED STATES	100.42	1,306,417.50	1,226,029.88	
	1,756,000.00	BDCBVG4	<a href="#">ALLY FINANCIAL INC 5.75% 20/11/2025</a>	USD	UNITED STATES	102.18	1,704,333.44	1,831,727.50	
	450,000.00	BVV8N80	<a href="#">ALTICE FIN SA 6.25% 15/09/2023</a>	EUR	LUXEMBOURG	106.30	478,350.00	469,049.40	
	325,000.00	BHFGGW5	<a href="#">ALTICE FINCO SA 8.125% 15/01/2024</a>	EUR	LUXEMBOURG	108.12	351,406.25	328,083.81	
	790,000.00	BLWF9Y6	<a href="#">ALTICE SA 7.25% 15/05/2022</a>	EUR	LUXEMBOURG	106.51	841,408.26	787,147.53	
	1,170,000.00	BLWF9X5	<a href="#">ALTICE SA 7.75% 15/05/2022</a>	USD	LUXEMBOURG	104.71	1,225,149.52	1,139,404.50	
	850,000.00	BP83Z25	<a href="#">AMER AIRLINES GRP 6.625% 15/01/2024</a>	USD	UNITED STATES	100.31	846,528.42	857,429.18	
	183,000.00	BD1MLG8	<a href="#">APERGY CORP 8.375% 01/05/2026</a>	USD	UNITED STATES	100.25	183,450.00	187,888.33	
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Trial Balance and other Financial Statement reports – multiple NAV dates

New version – When multiple accounts are selected, run as Most Recent and multiple NAVs dates on the run – the grid will display lines with correct dates when is possible or the min first day and the max second day. Note that will affect PDF, Excel, and CSV formats.

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Showing 1 - 19 of 28 Row(s) Go To:  You are at Row: 0

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### Trial Balance

Account	Multiple Accounts Selected	Valuation Status	Daily Official	Valuation Currency	Fund CCY	Valuation Version	Latest Nav
As of Date 1	Most Recent -1 Calendar Days	Share Class Details	Summary Indicator	Selected	Show After Every Account	Created On	28-Aug-2018 20:23:32
As of Date 2	Most Recent						
	<b>Fund Name</b>	GL Category	GL Sub Category	GL Balance (FCY) As of 27-Aug-18	GL Balance (FCY) Movement	GL Balance (FCY) As of 28-Aug-18	
	YYYY- Fund	Net Asset	Assets	7,927,535,688.88	21,030,620.06	7,948,566,288.94	
			Liabilities/Capital	-8,119,164,817.32	-41,869.46	-8,119,206,686.78	
	<b>Sub Total</b>	Net Asset		<b>-191,629,150.44</b>	<b>20,988,750.60</b>	<b>-170,640,399.84</b>	
		Equity	Income /Gain	-2,414,012,208.48	-41,937,336.42	-2,455,949,544.90	
			Expenses/ Loss	2,805,641,358.92	20,948,685.82	2,826,589,944.74	
			Derivative Movement	0.00	0.00	0.00	
			Cambio	-18,389.20	0.06	-18,389.14	
	<b>Sub Total</b>	Equity		<b>191,610,761.24</b>	<b>-20,988,750.54</b>	<b>170,622,010.70</b>	
	<b>Sub Total</b>	YYYY- Fund		<b>-18,389.20</b>	<b>0.06</b>	<b>-18,389.14</b>	
	<b>Fund Name</b>	GL Category	GL Sub Category	GL Balance (FCY) As of 21-Jul-18	GL Balance (FCY) Movement	GL Balance (FCY) As of 22-Jul-18	
	XXXX	Net Asset	Assets	177,088,171.18	36.30	177,088,207.48	
			Liabilities/Capital	-152,718,805.58	0.00	-152,718,805.58	
	<b>Sub Total</b>	Net Asset		<b>24,369,365.60</b>	<b>36.30</b>	<b>24,369,401.90</b>	
		Equity	Income /Gain	-22,610,011.72	-36.30	-22,610,048.02	
			Expenses/ Loss	-1,759,353.88	0.00	-1,759,353.88	
			Cambio	0.00	0.00	0.00	
	<b>Sub Total</b>	Equity		<b>-24,369,365.60</b>	<b>-36.30</b>	<b>-24,369,401.90</b>	
	<b>Sub Total</b>	XXXX		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	

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