

Curing Your Rounding Woes in Your Financial Close

Alex C Leung & Mark Ramalho

The Goal Getters



CURING YOUR ROUNDING WOES IN YOUR FINANCIAL CLOSE

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ORACLE® | Hyperion®

Corporate Financial Reporting
&
Planning Solutions

Professional Results • Superior Value

We are “The Goal Getters”

As the largest Canadian Hyperion Service Provider, TGG is an Oracle Gold Partner with a 20+ year proven track-record in Enterprise Performance Management (EPM) solution delivery and support.



Strength in Numbers:

- 20+ years specialized in Oracle Hyperion
- 20+ EPM professionals across North America
- 50+ clients (from \$50M to \$50B in revenue)
- 100+ combined years of Hyperion experience

Product Knowledge Depth:

- Hyperion Financial Management (HFM)
- Hyperion Tax Provision (HTP)
- Hyperion Planning / Essbase (HP)
- Hyperion Enterprise (HE)
- Financial Data Quality Management (FDM EE)
- Data Relationship Manager (DRM)
- Planning Budgeting Cloud Services (PBCS)

Breadth in Industries:

- Real Estate
- Mining
- Oil & Gas
- Energy
- Communications
- Financial Services
- Manufacturing
- Public Sector

TGG Services Ecosystem

Our services span the full lifecycle and needs of your EPM platform:



CONSULTING

- Design & Implement
- Train & Educate
- Software licensing
- Re-design
- Tactical Troubleshoot
- Tech-Check



EPM MSO

- Hyperion Support
- Value For Money
- Scale / Flexibility
- Lower Hyperion TCO



EPM CLOUD CONNECT

- BCP/DRP
- Performance Scaling
- P2C / C2P
- Day Zero Build
- Utility Pricing



TGG TOOLS

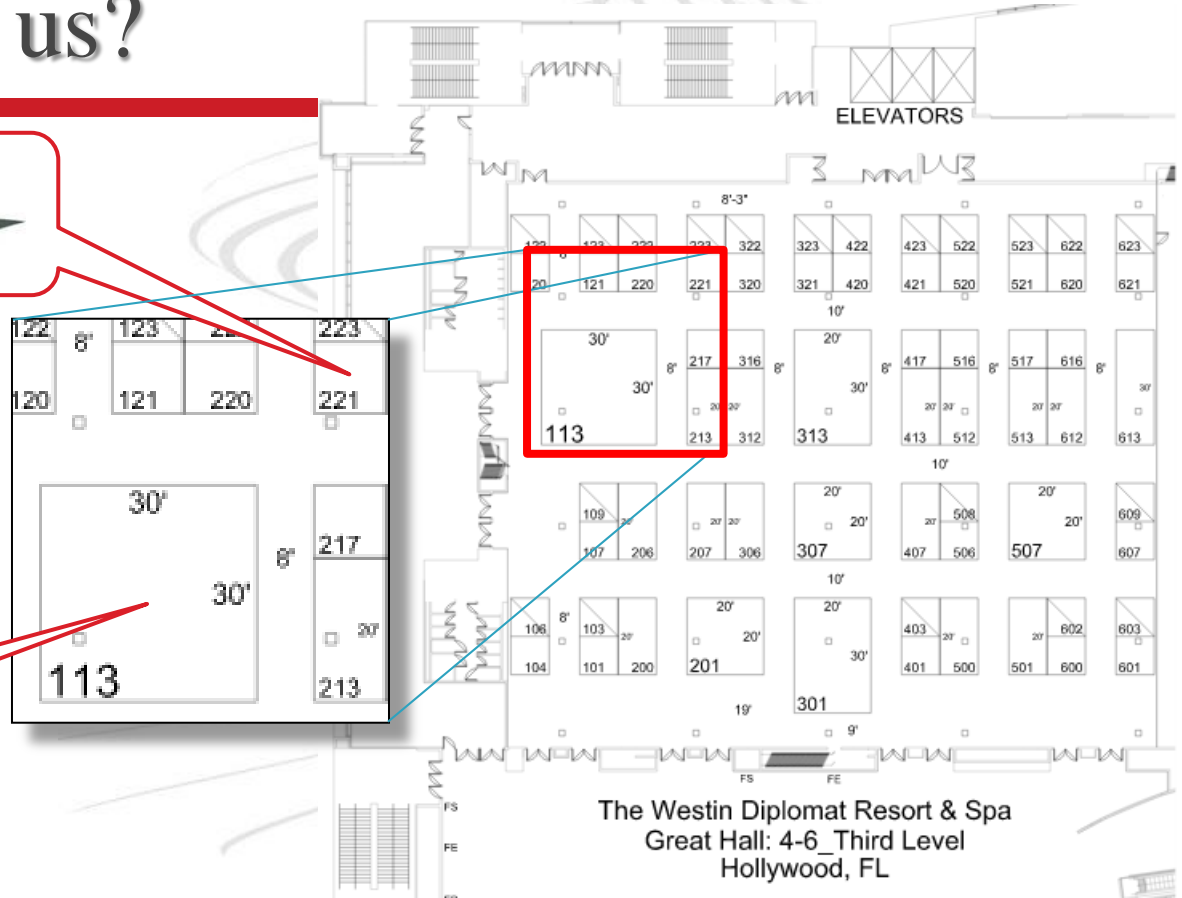
- Data Extractor
- Journal Processor
- Rounding
- Excel Loader
- ICP Tool

TGG spends approx. 5% of revenue of R&D p.a.

Where to find us?



Right across
from the Oracle
Booth



Rounding What's the big deal?



It's late still working on tie outs
...again ...
... need to file in the morning ... <sigh>

... and **STILL** can't get the financial
statements to #%\$@ FOOT

... where's the cliff

Sound familiar?

Curing Your Rounding Woes – Agenda



- The main issue and **TGG** rounding solution overview
- Quick analysis of solution options
- TGG** rounding solution details
- Implementing the solution

Rounding and Scaling causes Footing issues ...

- ❑ **Rounding** and **Scaling** can cause **Footing** issues - parent totals appear to not be the sum of its children

<i>HFM Accounts</i>	Originally Loaded Data
400001	\$5,200
400002	\$5,400
Sales Revenue	\$10,600

Rounding and Scaling causes Footing issues ...

- ❑ **Rounding** and **Scaling** can cause **Footing** issues - parent totals appear to not be the sum of its children

<i>HFM Accounts</i>	Originally Loaded Data	Rounded (thousands)
400001	\$5,200	\$5,000
400002	\$5,400	\$5,000
Sales Revenue	\$10,600	\$11,000

Rounding and Scaling causes Footing issues ...

- ❑ **Rounding** and **Scaling** can cause **Footing** issues - parent totals appear to not be the sum of its children


<i>HFM Accounts</i>	Originally Loaded Data	Rounded (thousands)	Rounded and Scaled (thousands)
400001	\$5,200	\$5,000	\$5
400002	\$5,400	\$5,000	\$5
Sales Revenue	\$10,600	\$11,000	\$11




... in more places than you may think.

- ❑ Footing issues can extend out to other HFM dimensions (Accounts, Entity, Customs)

Entities

<i>HFM Entities</i>	Originally Loaded Data	Rounded and Scaled (thousands)
Asia	\$4,300	\$4
N. America	\$6,300	\$6
Global	\$10,600	\$11 

Customs

<i>HFM Customs</i>	Originally Loaded Data	Rounded and Scaled (thousands)
Socks	\$3,200	\$3
Pants	\$7,400	\$7
Total Products	\$10,600	\$11 

Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data**



Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data
- Net Income vs Statement of Retained Earnings**



Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data
- Net Income vs Statement of Retained Earnings
- Cash on B/S vs Cash Flow**



Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data
- Net Income vs Statement of Retained Earnings
- Cash position that appears on B/S and Cash Flow
- B/S balances vs Continuity Schedule totals**



Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data
- Net Income vs Statement of Retained Earnings
- Cash position that appears on B/S and Cash Flow
- B/S balances vs Continuity Schedule totals
- Intercompany data**



Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data
- Net Income vs Statement of Retained Earnings
- Cash position that appears on B/S and Cash Flow
- B/S balances vs Continuity Schedule totals
- Intercompany data
- Alternate dimension hierarchies**



Where else?

Manual footing adjustments can lead to discrepancies between:

- Multiple reports referencing the same data
- Net Income vs Statement of Retained Earnings
- Cash position that appears on B/S and Cash Flow
- B/S balances vs Continuity Schedule totals
- Intercompany data
- Alternate dimension hierarchies
- Iterative data**



TGG Rounding Solution

1. Round and scale all base level accounts in HFM

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)
400001	\$5,200	\$5
400002	\$5,400	\$5
Sales Revenue	\$10,600	\$10

TGG Rounding Solution

1. Round and scale all base level accounts in HFM
2. **Validate rounded and scaled parent accounts are correct**

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)
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TGG Rounding Solution

1. Round and scale all base level accounts in HFM
2. Validate rounded and scaled parent accounts are correct
3. **Determine which base account to adjust and make adjustment**

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment
400001	\$5,200	\$5	
400002	\$5,400	\$5	\$1
Sales Revenue	\$10,600	\$10	

TGG Rounding Solution

1. Round and scale all base level accounts in HFM
2. Validate rounded and scaled parent accounts are correct
3. **Determine which base account to adjust and make adjustment**

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment	Final After Adjustment
400001	\$5,200	\$5		\$5
400002	\$5,400	\$5	\$1	\$6
Sales Revenue	\$10,600	\$10		\$11

TGG Rounding Solution

[-] Custom4 ~

[-] TopC4 ~

..... [None] +

Original Data

[-] Rounding_Tot ~

[-] ReportingRound_K ~

..... RoundAdjust_K +

..... RoundOriginal_K +

Rounding Hierarchy

TGG Rounding Solution

[-] Custom4 ~

[-] TopC4 ~

5400

[None] +

5400

[-] Rounding_Tot ~

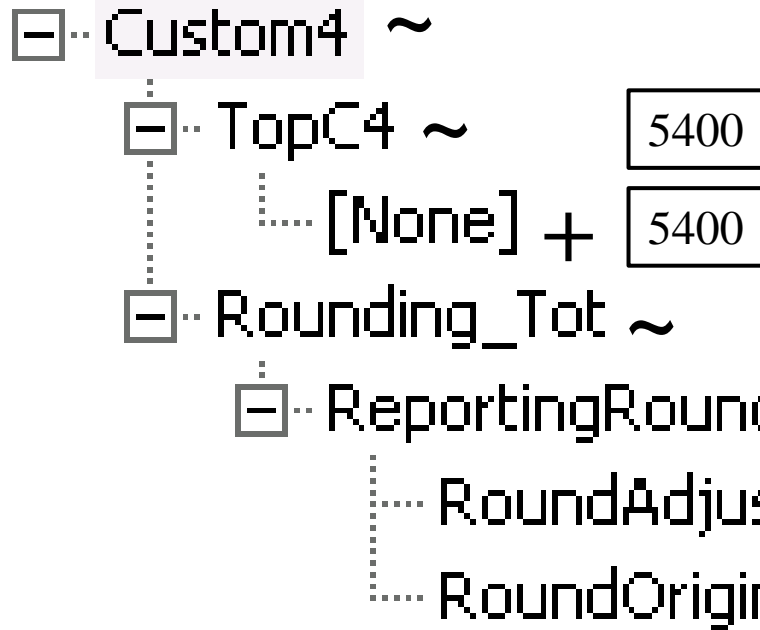
[-] ReportingRound_K ~

[None] RoundAdjust_K +

[None] RoundOriginal_K +

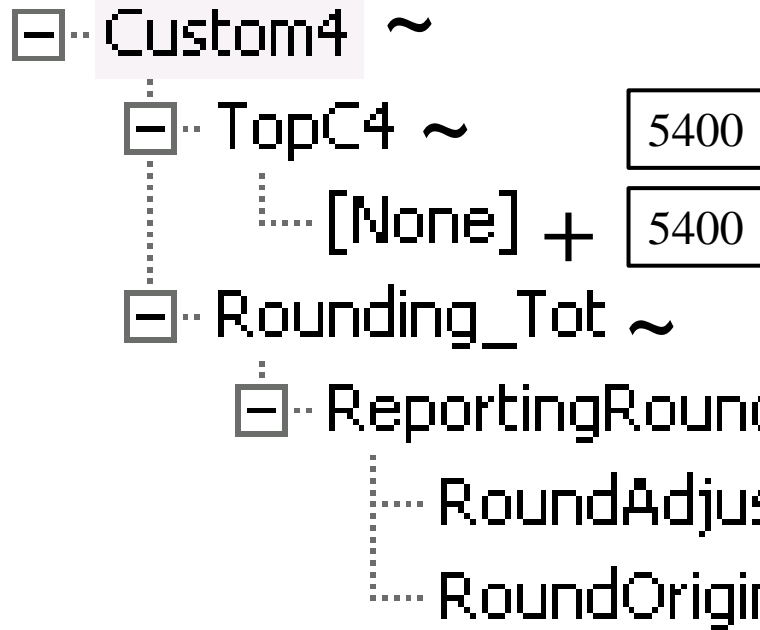
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TGG Rounding Solution



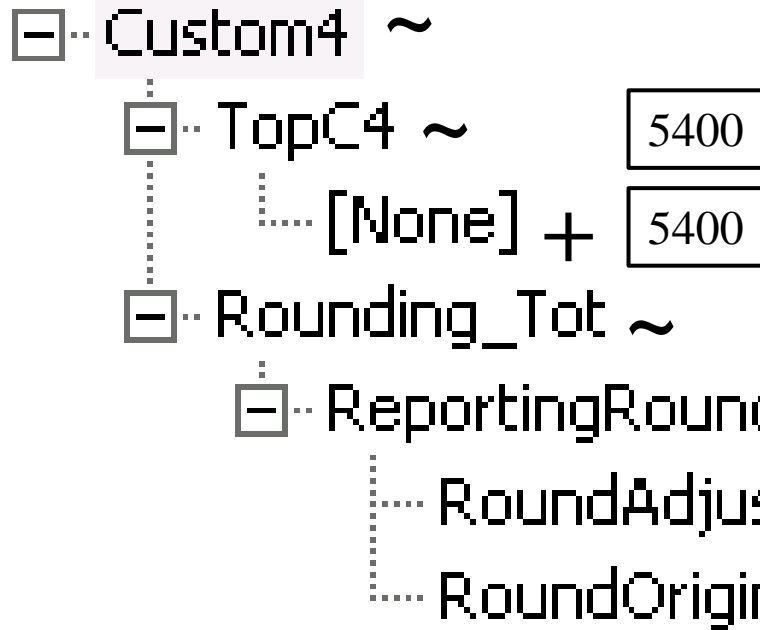
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TGG Rounding Solution



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Sales Revenue	\$10,600	\$10		\$11

TGG Rounding Solution

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment	Final After Adjustment
<i>HFM C4</i>	[None]	RoundOriginal_K	RoundAdjust_K	Reporting_Round_K
400001	\$5,200	\$5		\$5
400002	\$5,400	\$5	\$1	\$6
Sales Revenue	\$10,600	\$10		\$11

Curing Your Rounding Woes – Agenda

- ❑ **Quick analysis of solution options**
 1. **Manual (Excel Adjustment)**
 2. **Automated (TGG Rounding Solution)**



Option 1 – Manual (Excel Adjustment)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	FROM HFM									Condensed Consolidated Balance Sheet				
2		2014	2013	2012						<i>(unaudited)</i>				
3		Dec	Dec	Dec							December 31,	December 31,	December 31,	
4	(millions of Canadian dollars)					Rounding					2014	2013	2012	
5	Assets					YE 2014	YE 2013	YE 2012		(millions of Canadian dollars)				
6	Cash	168	21	48						Assets	168	21	48	
7	Trade and other receivables	212	137	74						Cash	212	137	74	
8	Inventories	2,349	2,048	994						Trade and other receivables	2,349	2,048	994	
9	Financial assets	24	8	3						Inventories	24	8	3	
10	Other current assets	69	71	32				(1.0)		Financial assets	69	71	31	
11	Income taxes recoverable	7	23	-						Other current assets	7	23	-	
12	Assets of discontinued operations	-	2	269						Income taxes recoverable	-	2	269	
13	Total current assets	2,829	2,310	1,419						Assets of discontinued operations	2,829	2,310	1,419	
14										Total current assets				
15	Property, plant and equipment	4,606	4,110	1,335						Property, plant and equipment	4,606	4,110	1,335	
16	Intangible assets	1,076	980	233						Intangible assets	1,076	980	233	
17	Goodwill	237	208	-						Goodwill	237	208	-	
18	Pensions and employee benefits	69	72	38						Pensions and employee benefits	69	72	38	
19	Deferred tax assets	240	249	214						Deferred tax assets	240	249	214	
20	Other assets	15	13	12		1.0	(1.0)			Other assets	15	12	12	
21	Total assets	9,073	7,941	3,251						Total assets	9,073	7,941	3,251	
22														

Option 1 – Manual (Excel Adjustment)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	FROM HFM									Condensed Consolidated Balance Sheet				
2		2014	2013	2012						<i>(unaudited)</i>				
3		Dec	Dec	Dec							December 31,	December 31,	December 31,	
4	(millions of Canadian dollars)										2014	2013	2012	
5	Assets													
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5	Assets									Assets				
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9	Financial assets	24	8	3						24	8	3		
10	Other current assets	69	71	32				(1.0)		69	71	31		
11	Income taxes recoverable	7	23	-						7	23	-		
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20	Other assets	15	13	12		1.0	(1.0)	
21	Total assets	9,073	7,941	3,251				
22								

	J	K	L	M	N
	Condensed Consolidated Balance Sheet				
	<i>(unaudited)</i>				
		December 31,	December 31,	December 31,	
		2014	2013	2012	
	(millions of Canadian dollars)				
	Assets				
	Cash	168	21	48	
	Trade and other receivables	212	137	74	
	Inventories	2,349	2,048	994	
	Financial assets	24	8	3	
	Other current assets	69	71	31	
	Income taxes recoverable	7	23	-	
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	Goodwill	237	208	-	
	Pensions and employee benefits	69	72	38	
	Deferred tax assets	240	249	214	
	Other assets	16	12	12	
	Total assets	9,073	7,941	3,251	

Option 1 – Manual (Excel Adjustment)

- 1. Export:** Bring HFM data into Excel
- 2. Determine where to Adjust:** Accounts, Entity, Customs
- 3. Manually Adjust:** Manually adjust all reports
- 4. Validate:** Cross-check numbers across all reports
- 5. If source data changes** go back to step 1

Option 1 – Manual (Excel Adjustment)

Benefits

- Free to adjust anywhere
- Accountants love Excel

Drawbacks

- Prone to errors
- Source data changes
- Vicious data tie out cycles
- Non value added time



Option 2 – TGG Rounding Solution

- Systemically adjusts a base member to fix the footing issue

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment	Final After Adjustment
400001	\$5,200	\$5		\$5
400002	\$5,400	\$5	\$1	\$6
Sales Revenue	\$10,600	\$10		\$11

Option 2 – TGG Rounding Solution

Benefits

- Track adjustments
- Real-time rounding
- No manual input required
- Predictable footing
- Rounding at the source
- Pays for itself over time

Drawbacks

- Not for HFM beginners
- Change in process

Curing Your Rounding Woes – Agenda

- ❑ **TGG rounding solution details**
 - ❑ **End Goal**
 - ❑ **How does it work?**



TGG Rounding – End Goal

	A	B	C	D
1	Condensed Consolidated Balance Sheets			
2	<i>(unaudited)</i>			
3		December 31,	December 31,	December 31,
4		2014	2013	2012
4	(Canadian dollars)			
5	Assets			
6	Cash	168,720,101	21,626,459	48,598,971
7	Trade and other receivables	212,138,166	137,220,165	74,221,728
8	Inventories	2,349,978,627	2,048,882,634	994,530,642
9	Financial assets	24,481,761	8,915,926	3,942,007
10	Other current assets	69,087,301	71,882,081	31,029,799
11	Income taxes recoverable	7,943,036	23,407,748	-
12	Assets of discontinued operations	-	2,701,269	269,713,612
13	Total current assets	2,832,348,992	2,314,636,282	1,422,036,759
14	<i>Validation</i>	-	-	-
15				
16	Property, plant and equipment	4,606,489,394	411,216,524	1,335,066,307
17	Intangible assets	1,076,126,125	98,093,006	233,782,296
18	Goodwill	237,362,798	208,156,465	-
19	Pensions and employee benefits	69,827,774	72,263,285	38,666,997
20	Deferred tax assets	240,521,546	249,298,171	214,430,448
21	Other assets	16,376,864	12,484,276	12,893,060
22	Total assets	9,079,053,493	3,366,148,009	3,256,875,867
23	<i>Validation</i>	-	-	-
24				

Original data directly accessible in HFM (**TopC4**)

TGG Rounding – End Goal

	A	B	C	D
1	Condensed Consolidated Balance Sheets			
2	<i>(unaudited)</i>			
3		December 31,	December 31,	December 31,
4		2014	2013	2012
5	<i>(millions of Canadian dollars)</i>			
5	Assets			
6	Cash	169	22	49
7	Trade and other receivables	212	137	74
8	Inventories	2,350	2,049	994
9	Financial assets	24	9	4
10	Other current assets	69	72	31
11	Income taxes recoverable	8	23	-
12	Assets of discontinued operations	-	3	270
13	Total current assets	2,832	2,315	1,422
14	<i>Validation</i>	-	-	-
15				
16	Property, plant and equipment	4,607	412	1,335
17	Intangible assets	1,076	98	234
18	Goodwill	237	208	-
19	Pensions and employee benefits	70	72	39
20	Deferred tax assets	241	249	214
21	Other assets	16	12	13
22	Total assets	9,079	3,366	3,257
23	<i>Validation</i>	-	-	-
24				

- Rounded, Scaled & Footed**
data also accessible in HFM
(ReportingRound)
- Correct account footing at top custom members (and base!)**

TGG Rounding – How it Works

HFM Setup

Metadata

- Rounding hierarchy
- Members to store adjustments
- Members for entity flagging

Rules:

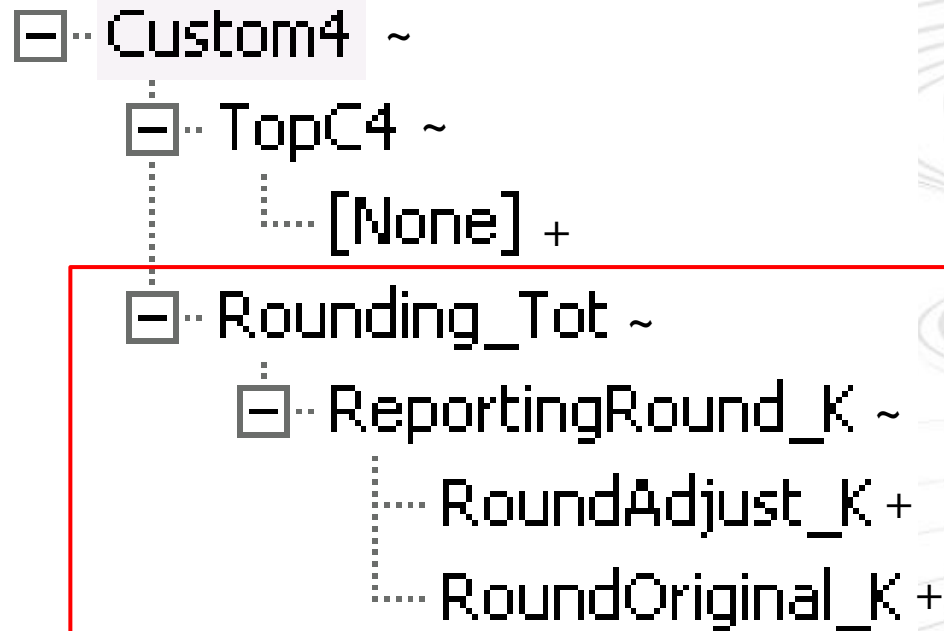
- Rounding and scaling
- Recursion across all parents
- Logic on where to store

Reporting

- Point to new “ReportingRound” member
- Update formatting to not round or scale after data retrieval

~~Data Consolidation~~

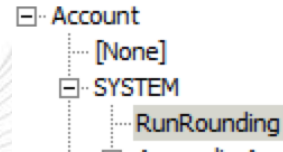
TGG Rounding – Metadata



Rounding Hierarchy

TGG Rounding – Metadata

- Enter Flag: Enter 1 into the Period and Entity
- Ability to turn on/off at any time
- Flag Account: Flags go into A#RunRounding



Entity	Peri..	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<input type="checkbox"/> Global		1	1	1	1	1	1	1	1	1	1	1	1
<input type="checkbox"/> USA													
<input type="checkbox"/> ROW													
<input type="checkbox"/> Europe		1	1	1	1	1	1	1	1	1	1	1	1
<input type="checkbox"/> Asia													

TGG Rounding – Rules

- ❑ Sophisticated algorithm
 - ❑ Demos at the booth

- ❑ Merges with existing HFM rules

- ❑ Sub Calculate and Sub Input routines are impacts

TGG Rounding – Rule Examples

□ Calling different routines into sub calculate

```
Sub Calculate()  
  Select Case pov_scenario  
    Case "ACTUAL"  
      Call Calc_Global_Rules()  
      Call Calc_Round("M")  
      Call Calc_Round("K")  
    End Select  
End Sub
```

□ Determine which account hierarchies for the logic to round

```
Round_Acct_BS_Parents = Array("BS_NetAssets", "BS_Equity")  
Round_Acct_IM_Parents = Array("IS_NetProfit", "IM_NetInc")
```

TGG Rounding – Rule Examples

- Setting members to store rounding from other dimensions (C2, C3, ICP)

```
Function RoundDestC2 (vAccount)
  Select Case vAcctTopC2
    Case "IM_TOT"
      vDestC2 = "C2Rnd_IM"
    Case Else
      vDestC2 = "[None]"
  End Select
  RoundDestC2 = vDestC2
End Function
```

TGG Rounding – Rule Basics

1. Round and scale all base level accounts in HFM

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TGG Rounding – Rule Repetition

- ❑ Repeated for every parent account across all base custom member combinations

- ❑ End goal is for all parent accounts to be rounded, scaled and footed correctly across all top custom members
 - ❑ Priority is for upper most parent accounts



<i>HFM Accounts</i>	Originally Loaded Data
400001	\$5,200
400002	\$5,400
Sales Revenue	\$10,600
400501	\$4,150
400502	\$4,450
Service Revenue	\$8,600
Total Revenue	\$19,200
600001	\$3,300
600002	\$3,200
General Expenses	\$6,500
600501	\$2,500
600502	\$2,400
Admin Expenses	\$4,800
Total Expenses	\$11,300
Net Income	\$7,900

□ Example showing rule repetition

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)
400001	\$5,200	\$5
400002	\$5,400	\$5
Sales Revenue	\$10,600	\$10
400501	\$4,150	\$4
400502	\$4,450	\$4
Service Revenue	\$8,600	\$8
Total Revenue	\$19,200	\$18
600001	\$3,300	\$3
600002	\$3,200	\$3
General Expenses	\$6,500	\$6
600501	\$2,500	\$3
600502	\$2,400	\$2
Admin Expenses	\$4,800	\$5
Total Expenses	\$11,300	\$11
Net Income	\$7,900	\$7

□ Round and scale all base level accounts in HFM

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)
400001	\$5,200	\$5
400002	\$5,400	\$5
Sales Revenue	\$10,600	\$10
400501	\$4,150	\$4
400502	\$4,450	\$4
Service Revenue	\$8,600	\$8
Total Revenue	\$19,200	\$18
600001	\$3,300	\$3
600002	\$3,200	\$3
General Expenses	\$6,500	\$6
600501	\$2,500	\$3
600502	\$2,400	\$2
Admin Expenses	\$4,800	\$5
Total Expenses	\$11,300	\$11
Net Income	\$7,900	\$7

- ❑ Validate that rounded and scaled FIRST parent accounts are correct

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment
400001	\$5,200	\$5	
400002	\$5,400	\$5	\$1
Sales Revenue	\$10,600	\$10	\$1
400501	\$4,150	\$4	
400502	\$4,450	\$4	\$1
Service Revenue	\$8,600	\$8	\$1
Total Revenue	\$19,200	\$18	\$2
600001	\$3,300	\$3	\$1
600002	\$3,200	\$3	
General Expenses	\$6,500	\$6	\$1
600501	\$2,500	\$3	
600502	\$2,400	\$2	
Admin Expenses	\$4,800	\$5	
Total Expenses	\$11,300	\$11	\$1
Net Income	\$7,900	\$7	\$1

- Determine which base account to adjust and make adjustment

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment	Final After Adjustment
400001	\$5,200	\$5		\$5
400002	\$5,400	\$5	\$1	\$6
Sales Revenue	\$10,600	\$10	\$1	\$11
400501	\$4,150	\$4		\$4
400502	\$4,450	\$4	\$1	\$5
Service Revenue	\$8,600	\$8	\$1	\$9
Total Revenue	\$19,200	\$18	\$2	\$20
600001	\$3,300	\$3	\$1	\$4
600002	\$3,200	\$3		\$3
General Expenses	\$6,500	\$6	\$1	\$7
600501	\$2,500	\$3		\$3
600502	\$2,400	\$2		\$2
Admin Expenses	\$4,800	\$5		\$5
Total Expenses	\$11,300	\$11	\$1	\$12
Net Income	\$7,900	\$7	\$1	\$8

- Validate that rounded and scaled UPPER parent accounts are correct

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment
400001	\$5,200	\$5	
400002	\$5,400	\$5	
Sales Revenue	\$10,600	\$10	
400501	\$4,150	\$4	
400502	\$4,450	\$4	\$1
Service Revenue	\$8,600	\$8	\$1
Total Revenue	\$19,200	\$18	\$1
600001	\$3,300	\$3	
600002	\$3,200	\$3	
General Expenses	\$6,500	\$6	
600501	\$2,500	\$3	
600502	\$2,400	\$2	
Admin Expenses	\$4,800	\$5	
Total Expenses	\$11,300	\$11	
Net Income	\$7,900	\$7	\$1

- Determine which base account to adjust and make adjustment

<i>HFM Accounts</i>	Originally Loaded Data	Rounded and Scaled (thousands)	Rounding Adjustment	Final After Adjustment
400001	\$5,200	\$5		\$5
400002	\$5,400	\$5		\$5
Sales Revenue	\$10,600	\$10		\$10
400501	\$4,150	\$4		\$4
400502	\$4,450	\$4	\$1	\$5
Service Revenue	\$8,600	\$8	\$1	\$9
Total Revenue	\$19,200	\$18	\$1	\$19
600001	\$3,300	\$3		\$3
600002	\$3,200	\$3		\$3
General Expenses	\$6,500	\$6		\$6
600501	\$2,500	\$3		\$3
600502	\$2,400	\$2		\$2
Admin Expenses	\$4,800	\$5		\$5
Total Expenses	\$11,300	\$11		\$11
Net Income	\$7,900	\$7	\$1	\$8

□ Final numbers

Curing Your Rounding Woes – Agenda



- Implementing the solution**
 - Key Decisions and Considerations**
 - Implementation Options**
 - Key project tasks**

Key Decisions and Considerations

- ❑ **Where is proper rounding, scaling and footing needed the most?**
 - ❑ Which Entities?
 - ❑ Which Account Hierarchies?

Key Decisions and Considerations

- ❑ Where is proper rounding, scaling and footing needed the most?
 - ❑ Which Entities?
 - ❑ Which Account Hierarchies?
- ❑ **Consolidation Performance**

Key Decisions and Considerations

- ❑ Where is proper rounding, scaling and footing needed the most?
 - ❑ Which Entities?
 - ❑ Which Account Hierarchies?
- ❑ Consolidation Performance
- ❑ **Where to store the adjustments in HFM? (Account, Custom 1-3)**

Key Decisions and Considerations

- ❑ Where is proper rounding, scaling and footing needed the most?
 - ❑ Which Entities?
 - ❑ Which Account Hierarchies?
- ❑ Consolidation Performance
- ❑ Where to store the adjustments in HFM? (Account, Custom 1-3)
- ❑ **Configuration & Control**




Key Decisions and Considerations

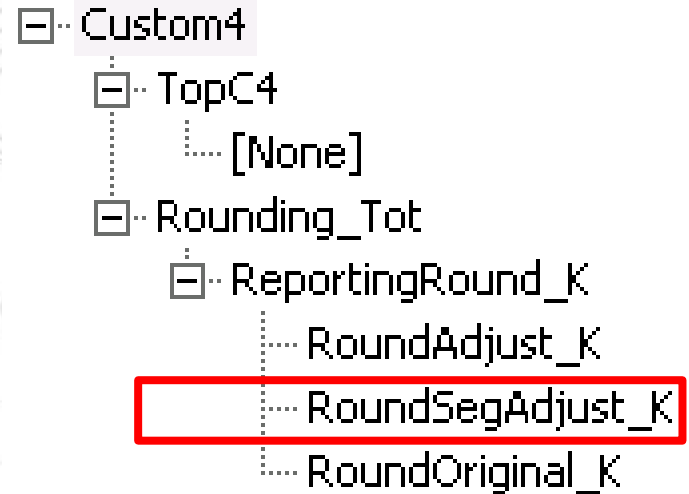
- Where is proper rounding, scaling and footing needed the most?
 - Which Entities?
 - Which Account Hierarchies?
- Consolidation Performance
- Where to store the adjustments in HFM? (Account, Custom 1-3)
- Configuration & Control
- Learning Curve**

Implementation – Readiness Checklist



- Do you have **dimension space for the Rounding Hierarchy** in a custom dimension?
- Do you have the ability and authorization to add **new members to existing dimensions** if needed? (e.g., new Accounts, Customs)
- Do you have the ability to **change reports**? (e.g., making the rounding dimension selectable and modify formatting)
- Do you have time to put in the **upfront effort in configuration, setup and training**?

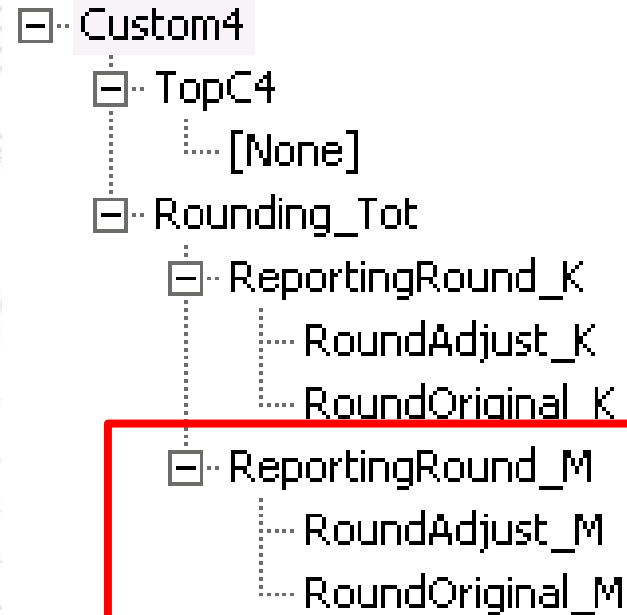
Implementation – Options

- ❑ Account Dimension
 - ❑ Which hierarchies need the rounding logic?
 - ❑ Shared hierarchies? 
- ❑ Entity Dimension
 - ❑ Automated or user selected entities to run rounding logic
 - ❑ Entity dimension hierarchy rounding, scaling & footing 
 - ❑ Store entity hierarchy adjustment separate from others 



Implementation – Options

- ❑ Custom Dimension
 - ❑ One custom hierarchy dimension rounding, scaling & footing 
- ❑ Rounding Dimension
 - ❑ Round to thousands? Millions? Both? More?
 - ❑ Manual rounding overrides 
- ❑ Rules
 - ❑ Store adjustments base on largest number, user selectable member, fixed member or other logic



Implementation – Key Steps

1. Perform Readiness Assessment [Baseline Discovery]
2. Set Up Metadata
3. Configure Rules
4. Update impacted reports
5. Unit Testing / Data Validation
6. Training / UAT / Go Live / Transition to Ongoing Support

THANK YOU.

Questions or Feedback?

Contact: Mark Ramalho, CPA, CMA
e. ramalho@goalgetters.com
o. 647.930.1767

Contact: Alex C Leung, CPA, CA
e. alex@goalgetters.com
m. 416.727.4740



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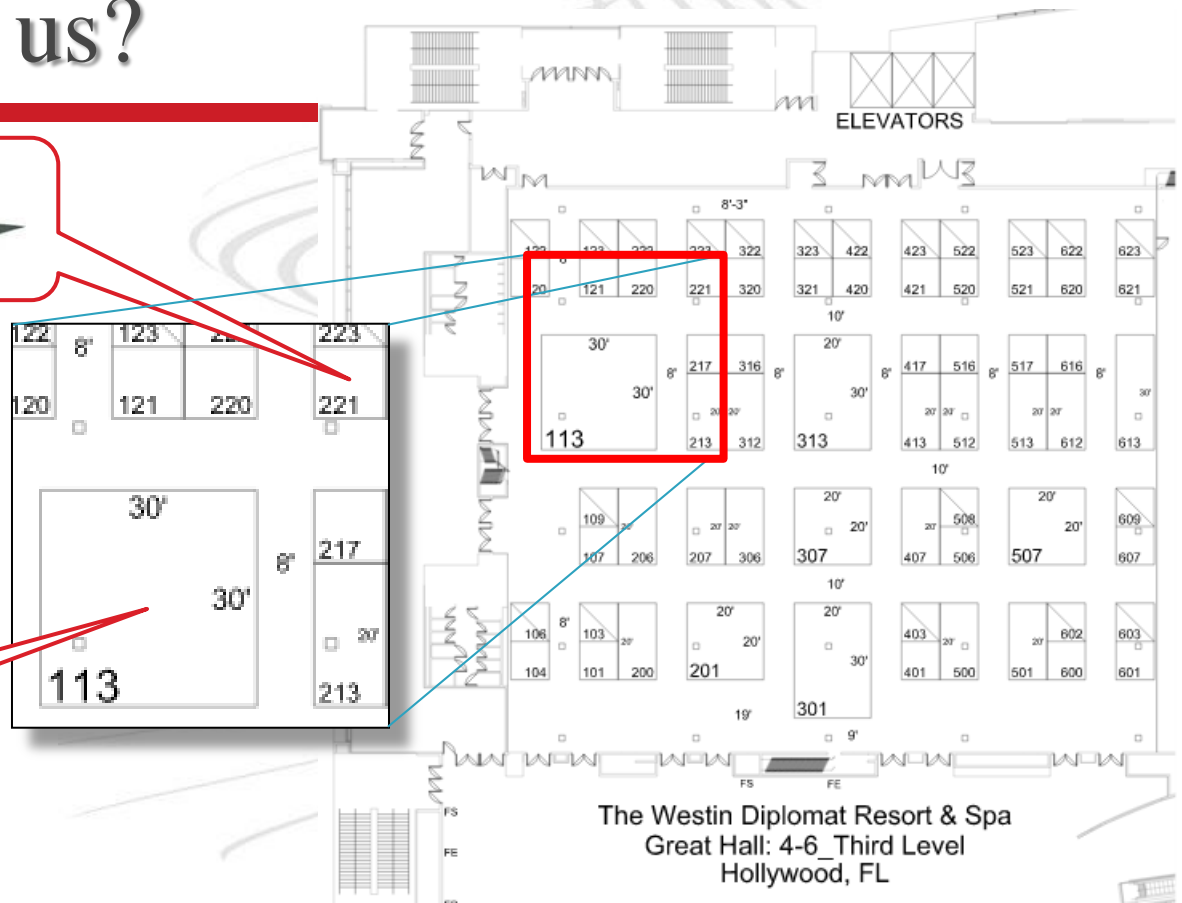
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Great Hall: 4-6_Third Level
Hollywood, FL

ODTUG Kscope15



HOLLYWOOD, FLORIDA
JUNE 21-25, 2015



PLEASE FILL OUT YOUR EVALUATIONS

MAKE SURE TO CHECK OUT



EPM OLYMPICS

ODTUG COMMUNITY NIGHT

Monday: 8:00 - 10:00 PM