

41350: Hyperion System 9 BI+ Financial Reporting: Tips and Tricks for Designing Advanced Reports

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Hyperion Financial Reporting

- Module of the Oracle BI Suite Enterprise Edition Plus
- Produce highly-formatted, book-quality reports with data from Planning, Essbase and/or HFM applications
- Allows for a range of templates and formats to accommodate a range of audiences
- Object-oriented studio for intuitive design
- Web interface for end users

Report Design . . . Going Beyond the Basics

- Multiple grids, data connections
- Cross-grid formulas & restrictions
- Conditional formatting & restrictions
- Conditional suppression & restrictions
- Common challenges with selection dynamics
- Advanced member selection

While a report can seem deceptively simple . . .

PLANNING

	Jan	Feb	Mar	Apr	May	Jun
Net Income	23,325,198	15,656,705	14,643,764	18,415,565	24,056,184	17,767,572

HFM

	Jan	Feb	Mar	Apr	May	Jun
Net Income	1,981,042	2,326,599	8,622,454	10,474,790	6,792,672	-5,571,289

VARIANCE

	Jan	Feb	Mar	Apr	May	Jun
Dollar	21,344,155	13,330,107	6,021,310	7,940,775	17,263,511	23,338,862
Percent	OVER 100%	OVER 100%	70%	76%	OVER 100%	OVER 100%

- Multiple grids & connections
- Columns display through current period
- Dollar and percentage variance calculations
- Special display of current month and percentages over 100

The actual design can sometimes prove otherwise . . .

PLANNING

Grid1

Year:User Point of View for Year		Scenario:User Point of	
		A	
		Children of	#
1	300000		

HFM

Grid2

Scenario:User Point of View for Scenario		Year:User Point	
		A	
		Base memb	#
1	300000		

VARIANCE

Grid4

Scenario:User Point of View for Scenario		Year:User Point	
		A	
		Base memb	#
1	[None]		
2	Dollar	= #	
3	Percent	= #%	

Annotations:

- Basic suppression and conditional formatting (points to Grid1 and Grid2)
- Utilize Grid POVs as much as possible with multi-grid reports (points to Grid1 and Grid2)
- Hidden data row for formula grid (points to Grid4 row 1)
- Cross-grid formulas (points to Grid4 rows 2 and 3)
- Compound conditional formatting (points to Grid4 rows 2 and 3)
- For simple, universal formulas, columns must correspond to other grids (points to Grid4 column 3)

Cross-Grid Formulas (review)

In Grid 3, subtract Account A in Grid 2 from Account A in Grid 1

Grid 1		
		A
		Children of Q1
1	Account A	#
2	Account B	#
3	Account C	#

Grid 2		
		A
		Children of Q1
1	Account A	#
2	Account B	#
3	Account C	#

Grid 3		
		A
		Children of Q1
1	Account A	#
2	Formula 1	=#
3	Formula 2	=#

If the columnar structure is identical among all grids:

Dollar: `Grid1.Row[1]-Grid2.Row[1]`

Percent: `VariancePercent(Grid1.Row[1],Grid2.Row[1])`

Cross-Grid Formulas (consideration)

In Grid 3, subtract Account A in Grid 2 from Account A in Grid 1

Grid 1		
		A
		Children of Q1
1	Account A	#
2	Account B	#
3	Account C	#

Grid 2		
		A
		Children of Q1
1	Account A	#
2	Account B	#
3	Account C	#

If the columnar structure is mismatched:

[B,2]Dollar: Grid1.Cell[1,A(A)]-Grid2.Cell[1,A(A)]

[B,3]#: VariancePercent(grid1.cell[1,A(A)],grid2.cell[1,A(A)])

Grid 3					
		A	B	C	D
			Jan	Feb	Mar
1	Account A	text	#	#	#
2	Formula Row	text	=#	=#	=#
3	Formula Row	text	=#	=#	=#

Conditional Formatting

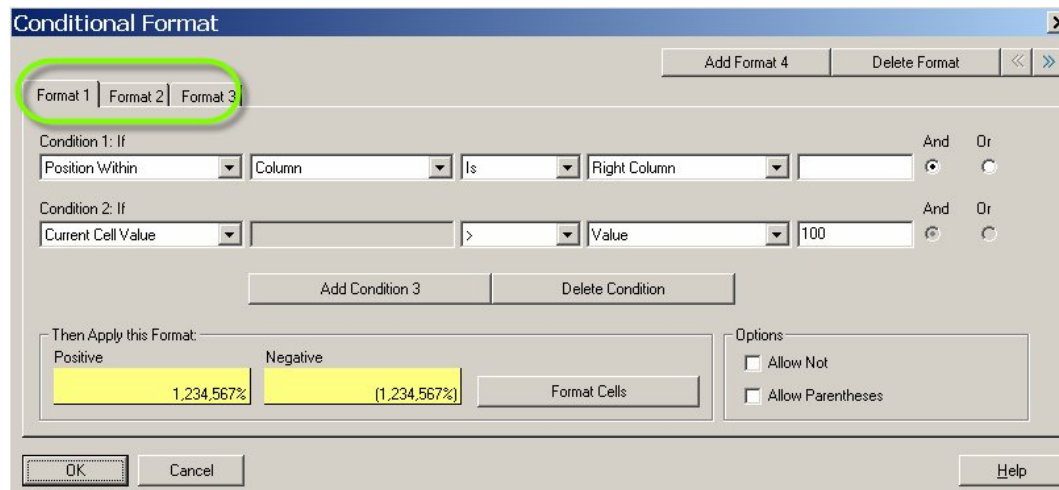
VARIANCE

	Jan	Feb	Mar	Apr	May	Jun
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Percent	OVER 100%	OVER 100%	70%	76%	OVER 100%	OVER 100%

} multiple conditions

single condition

Note: mathematical conditionals are incompatible with text values



Put most specific first!

When a 'Range' Doesn't Cut It . . .

- If you want an 'MMM Q' display that only shows periods through the current POV.
- If you want the ability to select the last period in the year without the range reiterating.

Range Limitation 1: MMM Q

	A	B	C	D	E	F	G	H	I	J
	Range from	Count([A])	Jan	Feb	Mar	Q1	Apr	May	Jun	Q2
1	[None]	# = #	#	#	#	#	#	#	#	#
2	Descendants of 400000 (Inclusi	# = #	#	#	#	#	#	#	#	#

Single ('thin') member row needed for count function

Hidden Range function (Dec - Current POV)

Hidden Count of resulting columns from A

All periods must be hard-coded and conditionally suppressed

Each column is conditionally suppressed based upon the result of the count function:

Conditional Suppression

Basic Options: None

Suppress Column If:

Value in Cell < B.1 < Value 3

Options:

Allow Not Allow Parentheses

OK Cancel Help

Example: Column E (March) . . . Suppress column if value in cell B,1 < 3

Range Limitation 2: Reiteration

Range from Jan - Current POV	Current POV + 1 - Dec
Actual	Plan

This common setup will reiterate the range if Dec (or the last period) is selected

Grid1		A	B	C
		Count{(B)}	Range from J	Range from Peri
			Actual	Plan
1	Statistics	= #	#	#
2	Descendants of 110000 (Inclusive)	= #	#	#

Hidden "thin" account selection

Hidden Count of column B

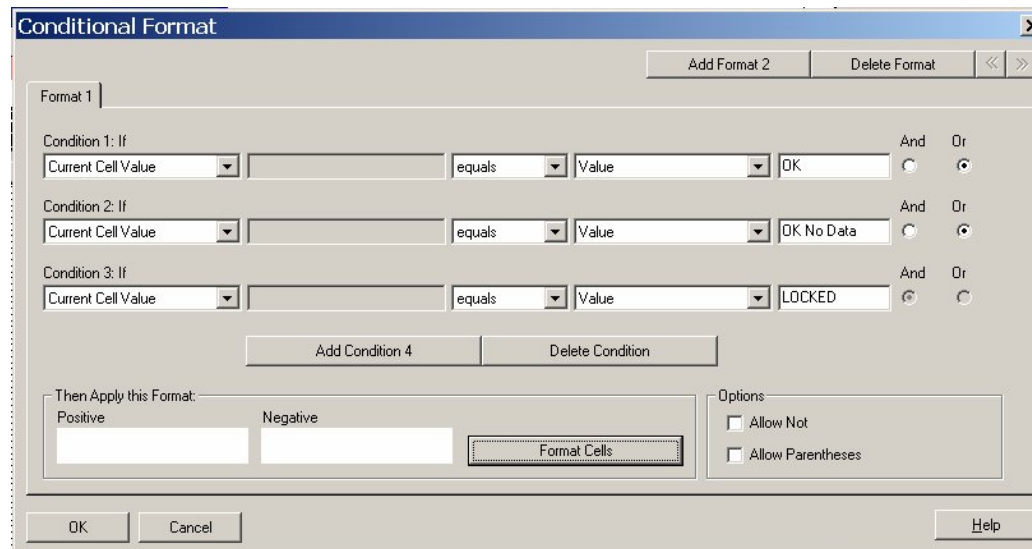
Conditional suppression based upon count of 12

Suppress the second range if count = 12

No Single-Cell Suppression

Row with calc status (HFM) text functions for each corresponding period

Only want to display relevant calc status cells, white-out instead - via conditional format. . . :



Advanced Member Selection

When you need to create a dynamic list of members that the existing hierarchy does not accommodate . . .

Compound Selection with Functions

Select Members

Members Lists Functions

Available <Find> Parameters... View...

Name	Description
Function	Functional Total
Function.Sales	Sales Function
Sales.E01_101_110	MA
Sales.E01_101_120	NY
Sales.E01_101_130	PA
Sales.E01_101_230	WA
Sales.E01_101_210	CA
Sales.E01_101_220	CO
Sales.E01_101_310	IL
Sales.E01_101_320	MN
Sales.E01_101_410	FL
Sales.E01_101_420	TX
Sales.E01_102_1000	Canada Sales
Sales.E01_103_1000	Mexico Sales
Sales.E02_201_1000	Argentina Sales
Sales.E02_202_1000	Brazil Sales
Sales.E02_203_1000	Colombia Sales
Sales.E02_204_1000	Peru Sales
Sales.E02_205_1000	Venezuela Sales
Sales.E03_301_1000	Denmark Sales
Sales.E03_302_1000	France Sales
Sales.E03_303_1000	Germany Sales
Sales.E03_304_1000	Italy Sales
Sales.E03_305_1000	Netherlands Sales

1 of 52 Entity Members Highlighted

Selected

Not	(Name	Operator
<input type="checkbox"/>		Children of Function.Sales ...	And
<input checked="" type="checkbox"/>		Members matching E01_1... ..	

0 of 2 Entity Items Highlighted

Place selections into separate rows

OK Cancel Help

Display all children of Sales EXCEPT these

All US Sales start with E01_101

Children of Sales AND NOT members matching E01_101*

Compound Selection with Functions (cont.)

Select Members

Members Lists Functions

Available <Find> Parameters... View...

Name	Description
Legal.EdenAmerica	Eden Americas
Legal.EdenInternational	Eden International
EdenInternational.E03_0	EMEA Corporate
EdenInternational.E03_301_1...	Denmark Sales
EdenInternational.E03_302_1...	France Sales
EdenInternational.E01_302_2...	France: IT
EdenInternational.E01_302_2...	France: HR
EdenInternational.E01_302_2...	France: Facilit...
EdenInternational.E01_302_2...	France: Accour...
EdenInternational.E01_302_2...	France: Payroll
EdenInternational.E01_302_2...	France: Marketing Admin
EdenInternational.E01_302_2...	France: Product Marketing
EdenInternational.E01_302_2...	France: Cust Serv Admin
EdenInternational.E01_302_2...	France: Call Center
EdenInternational.E03_303_1...	Germany Sales
EdenInternational.E03_304_1...	Italy Sales
EdenInternational.E03_305_1...	Netherlands Sales
EdenInternational.E04_306_3...	Poland: Mfg Ops
EdenInternational.E04_306_3...	Poland: QA
EdenInternational.E03_307_1...	Spain Sales
EdenInternational.E03_308_1...	Sweden Sales
EdenInternational.E03_309_1...	Switzerland Sales
EdenInternational.E03_310_1...	United Kingdom Sales

1 of 179 Entity Members Highlighted

Selected

Not	(Name)	Operator
<input type="checkbox"/>		Children of Legal.EdenInter...		And
<input checked="" type="checkbox"/>		All members where user def...		

1 of 2 Entity Items Highlighted

Place selections into separate rows

OK Cancel Help

Holds all international entities but includes sales

Children of EdenInternational AND NOT members where user defined 2 is Sales

Best Practice Suggestions

- Export entire repository often (.zip is automatically created)
- Shade hidden rows/columns
- Label all calculations
- Run books after metadata changes
- Use “Cur” whenever possible
- Use “fat” rows/columns when possible, especially for large reports
- Design a general template before report creation
- Use linked headers/footers when possible
- Choose an appropriate naming convention at the beginning

QUESTIONS???