Using OBIEE for Hyperion Essbase Reporting

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Talking Points

- Overview
- Data Model Definition steps
- Demo Basic Cube Import 10G
- Creating Reports
- Demo Reports
- 10 G/11G differences

OBIEE Essbase Reporting Overview

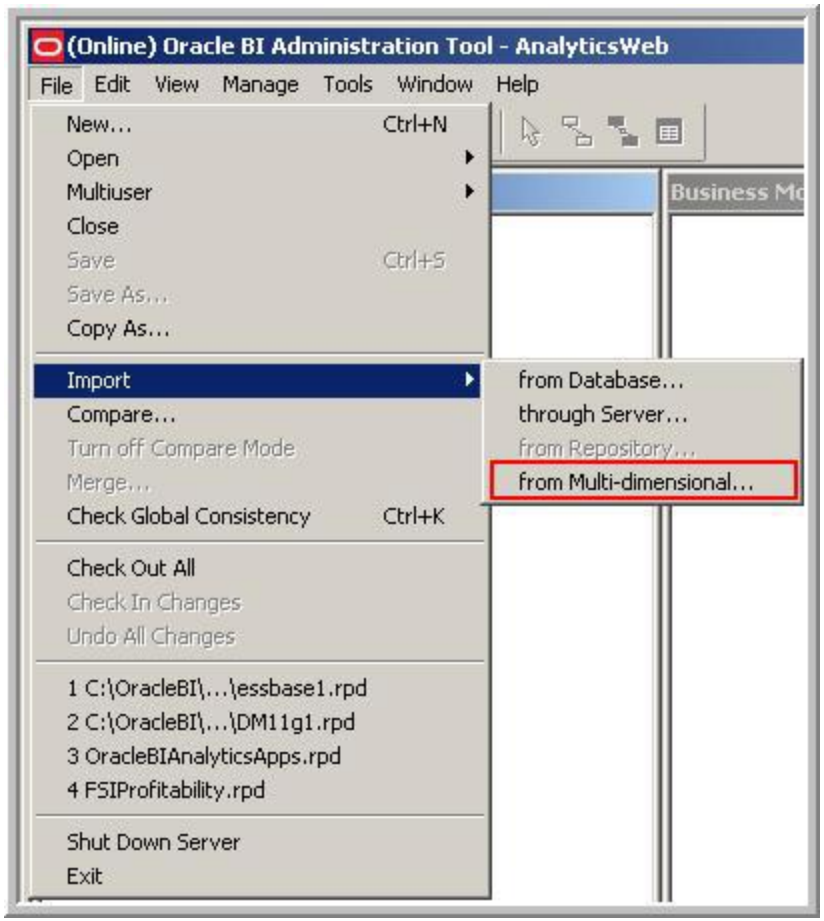
- OBIEE gives opportunity to expose Essbase Data with Dashboards and Answers.
- OBIEE Essbase Data Source has capability to combine data from other data sources, and present information in a single report or drill down to detail fashion.
- Defining data model is much simpler since OBIEE imports the data model including hierarchies based on Essbase Outline.
- Import Process creates a Single Physical Cube Table for each Essbase cube.
- OBEE generates MDX Quires to retrieve data from Essbase.
- Some improvements in 11G which provides capability to import UDA's and define columns for aliases.

OBIEE Essbase Reporting Benefits

- OBIEE provides opportunity have common dashboard/reporting tool for ERP (operational) and Essbase management and forecast reporting.
- OBIEE reports based Essbase can combine data from multiple sources to display data on same report or make it available via detail drill down.
- Possible replacement of Excel Add-In for reporting for senior management and occasional users.
- Pre build flexible reporting with prompts and dropdowns may eliminate need for through understating of Essbase outline for occasional users.
- OBIEE offers native connectivity to Essbase.
- OBIEE 11G provides parent – child drill down similar to Essbase EAS outline editor.

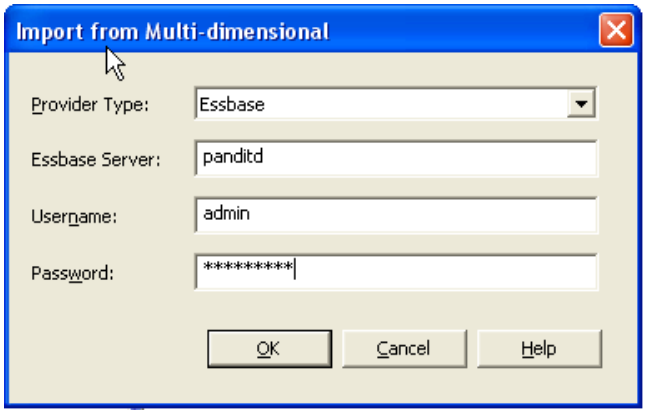
OBIEE Data Model Steps

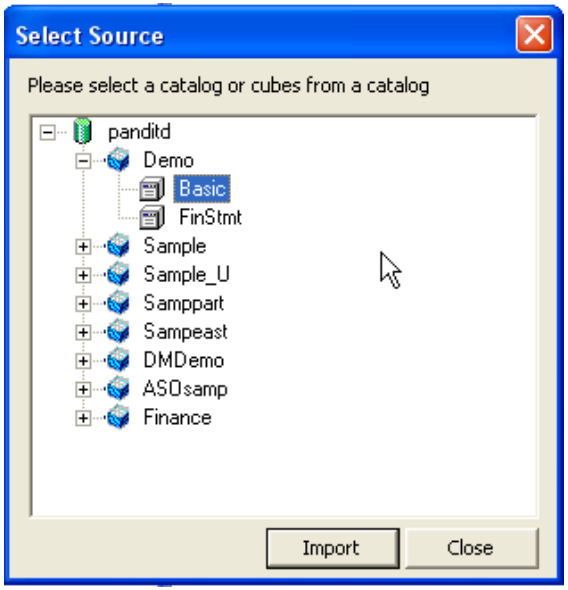
- Start Oracle BI Administration tool and Import Data Model

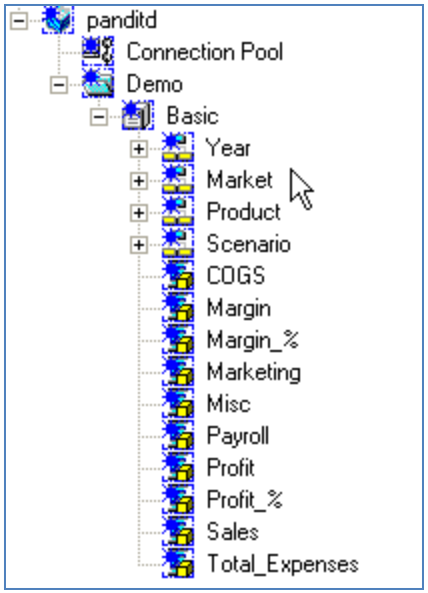


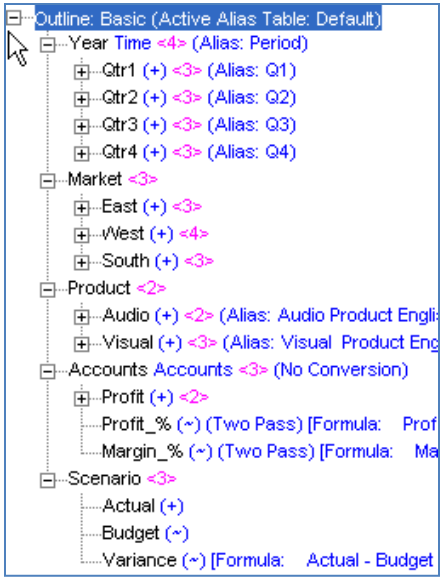
OBIEE Data Model Steps Continue..

- Login to Essbase and import Cube



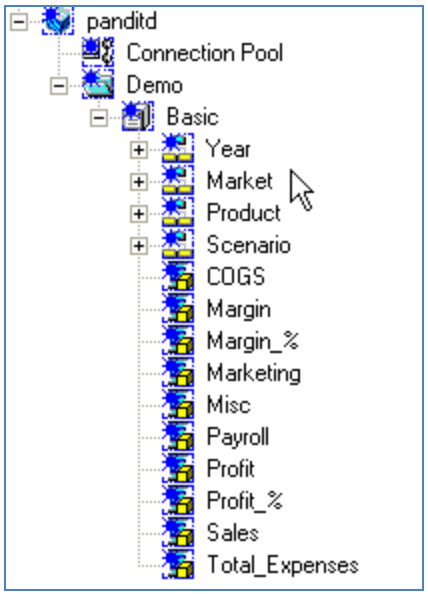


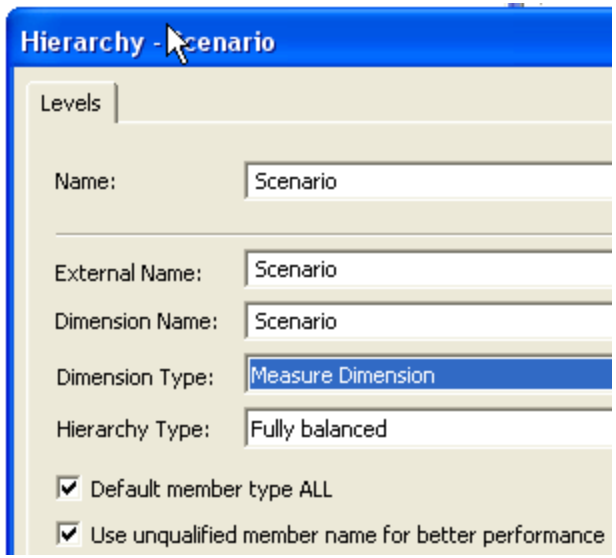


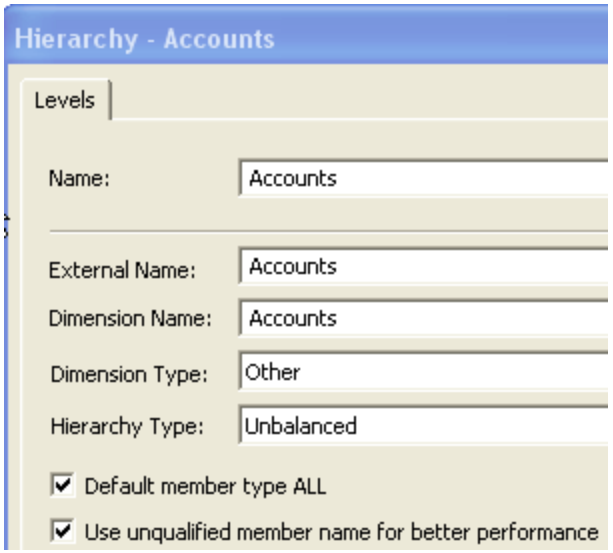


OBIEE Data Model Steps Continue…

- Change Measure Dimension if needed (10G)
- 11 G Creates a fact column

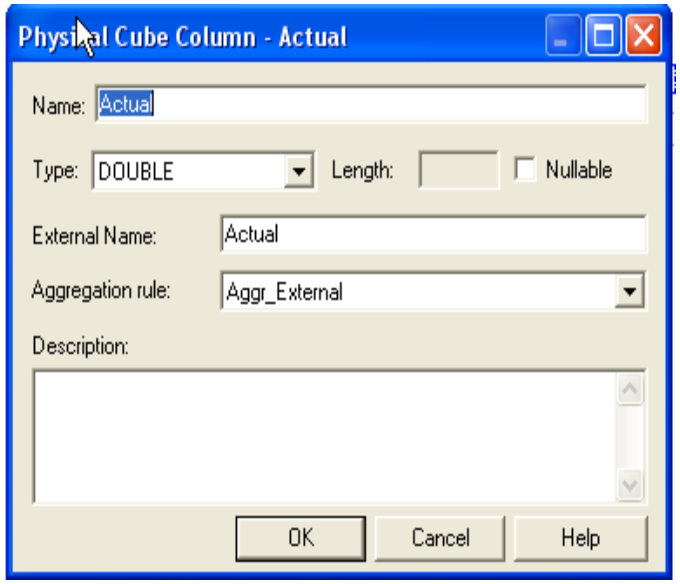


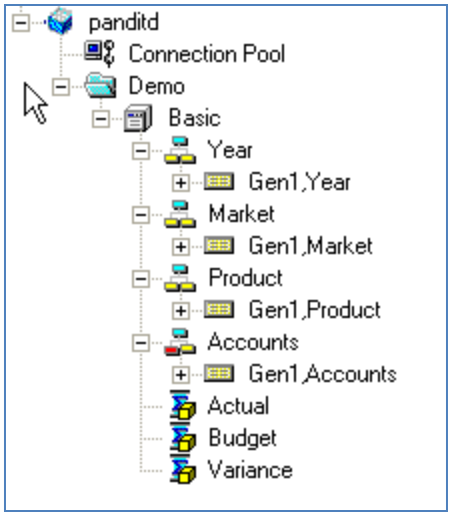


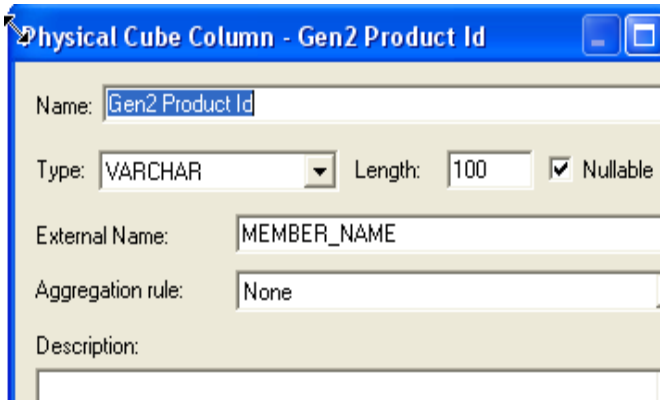


OBIEE Data Model Steps Continue….

- Define Scenario to measure dimension and accounts to other (10G).
- Define new physical columns for scenario members.
- Delete account measures since dimension is changed to other.
- Create column for Outline Member Names as needed (Gen 2 Product Id). associate it appropriate hierarchy level.
- This completes Physical Model definition.

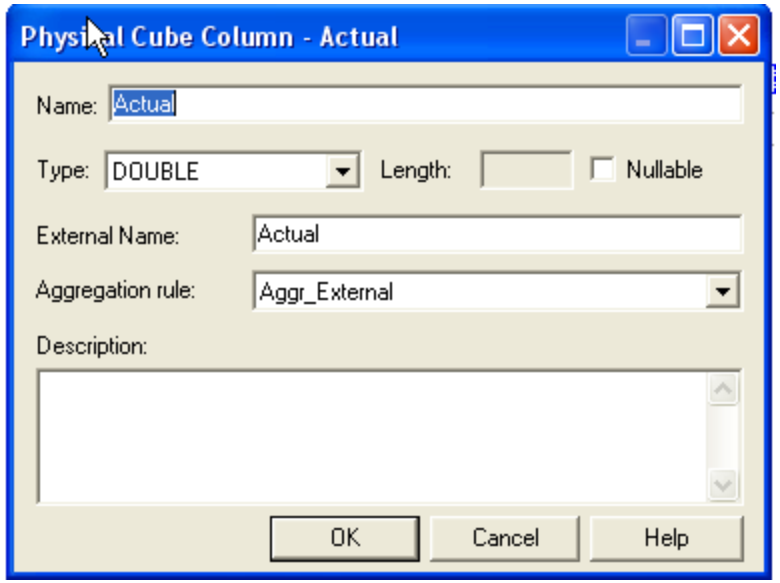


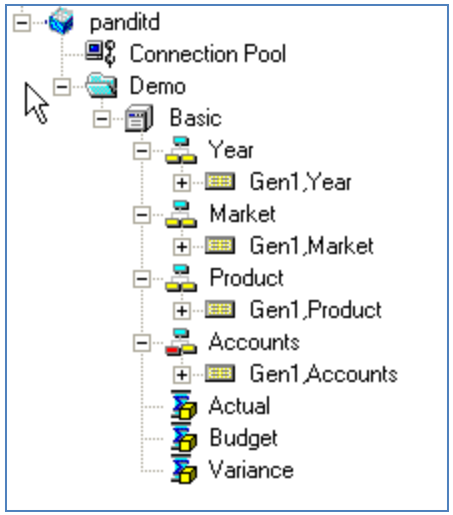


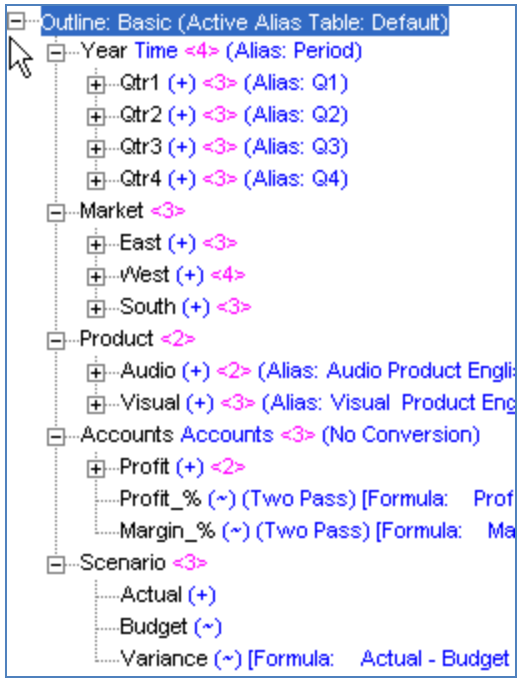


OBIEE Business/Presentation Model

- Define new physical columns for scenario members.
- Delete account measures since dimension is changed to other
- If sorting of member names is desired in the order they are physically stored in the outline then create sort column with EVALUATE function.
- Drag Demo Physical Model to Business Model

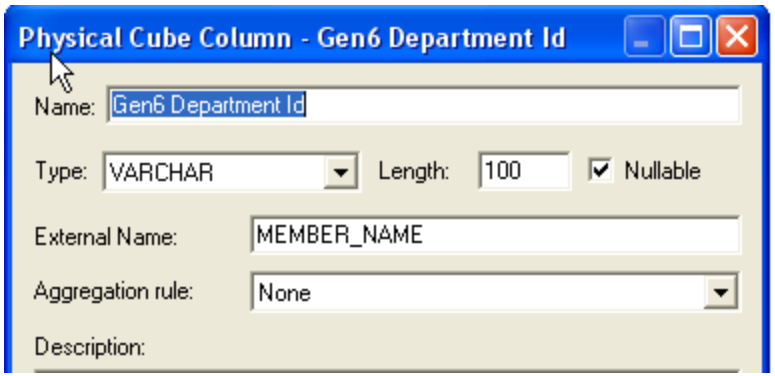


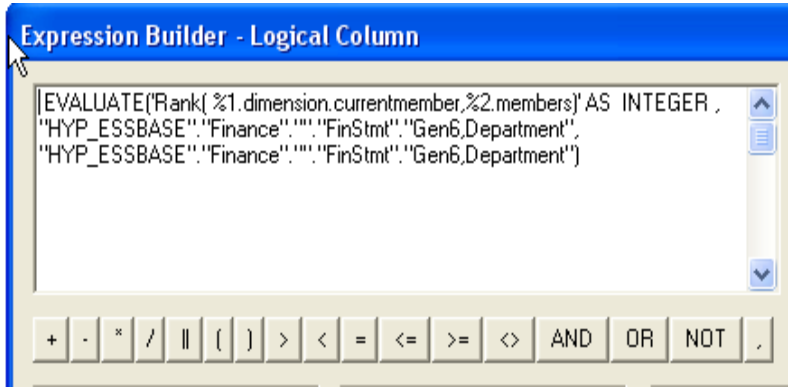


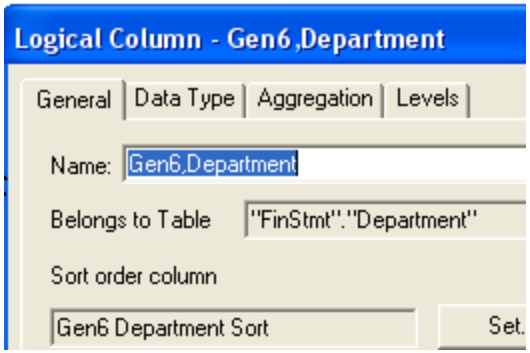


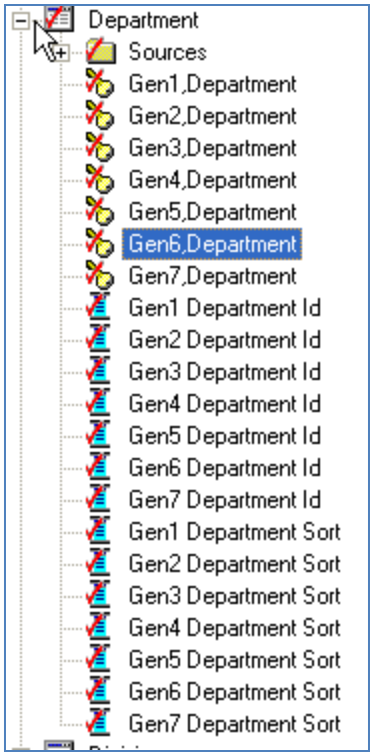
OBIEE Member Name (ID) and Sort Column Example

- Member Name (ID) columns are defined in physical data model
- Sort columns are defined in Business Model, user EVALUATE function





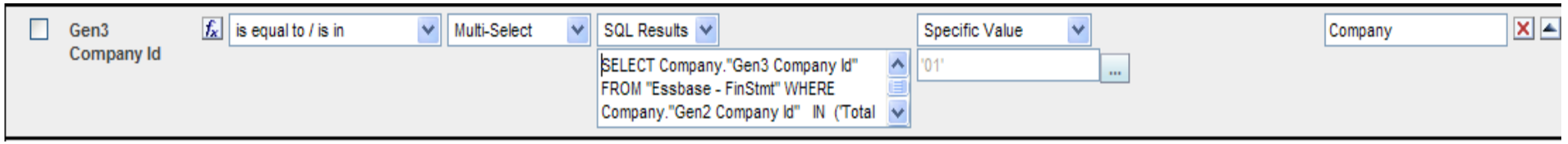




Demo Import of Basic Cube

Creating Reports using Answer

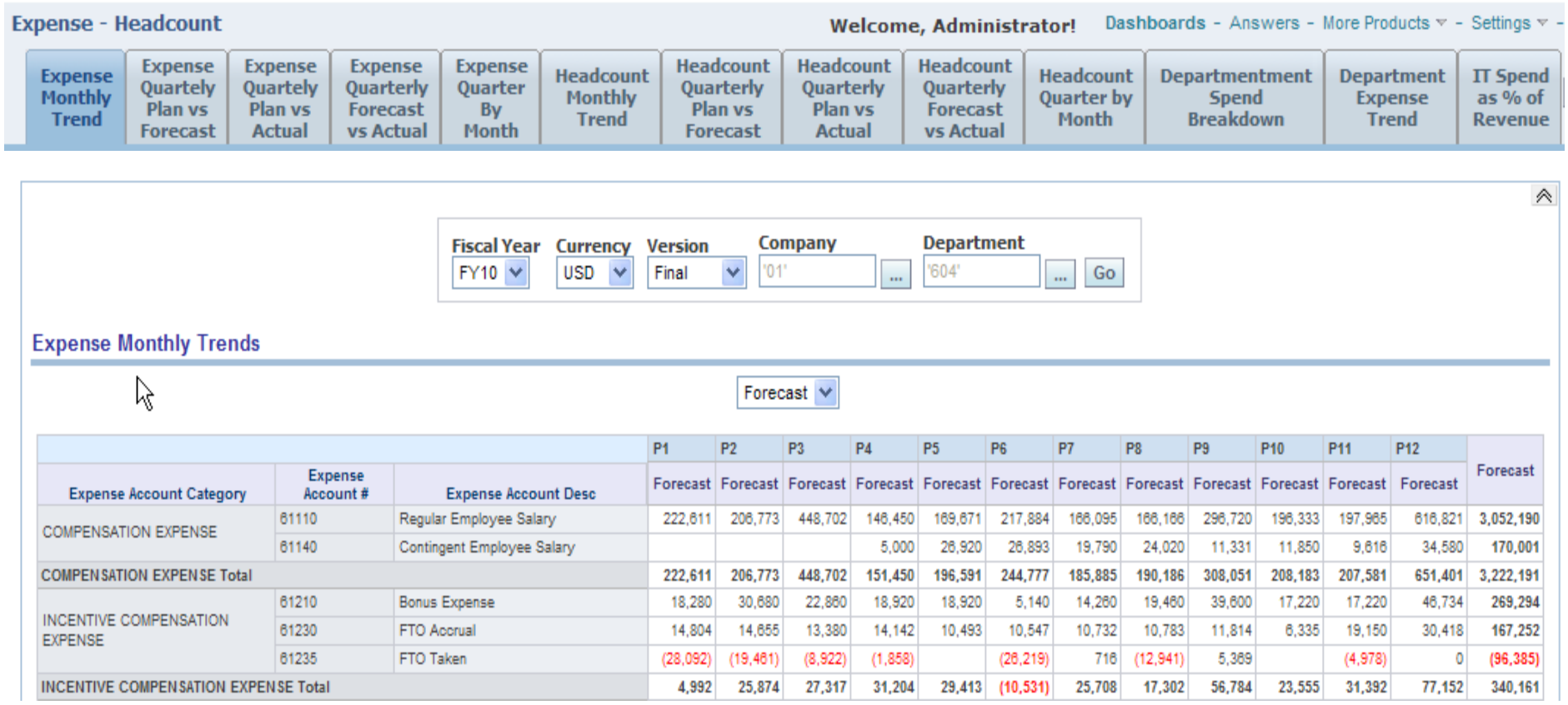
- Creation of reports and dashboard is not different for Essbase data source.
- Member Name (ID Columns) used make sure to select default column as well in 10G.
- Display of Member Name column only works for Leaf level members in 10G.
- Prompts can have Relational Query format for selecting values.
- Example below selects children's of “Total Company” (Gen 2 Member).




```
SELECT Company."Gen3 Company Id"
FROM "Essbase - FinStmt" WHERE
Company."Gen2 Company Id"   IN  ('Total
Company')
```

10G Report Samples

- Spread sheet format similar to Excel Add-In attached to a dashboard



Expense - Headcount

Welcome, Administrator! Dashboards - Answers - More Products - Settings -

Expense Monthly Trend | Expense Quartely Plan vs Forecast | Expense Quartely Plan vs Actual | Expense Quarterly Forecast vs Actual | Expense Quarter By Month | Headcount Monthly Trend | Headcount Quarterly Plan vs Forecast | Headcount Quarterly Plan vs Actual | Headcount Quarterly Forecast vs Actual | Headcount Quarter by Month | Departmentment Spend Breakdown | Department Expense Trend | IT Spend as % of Revenue

Fiscal Year: FY10 | Currency: USD | Version: Final | Company: '01' | Department: '604' | Go

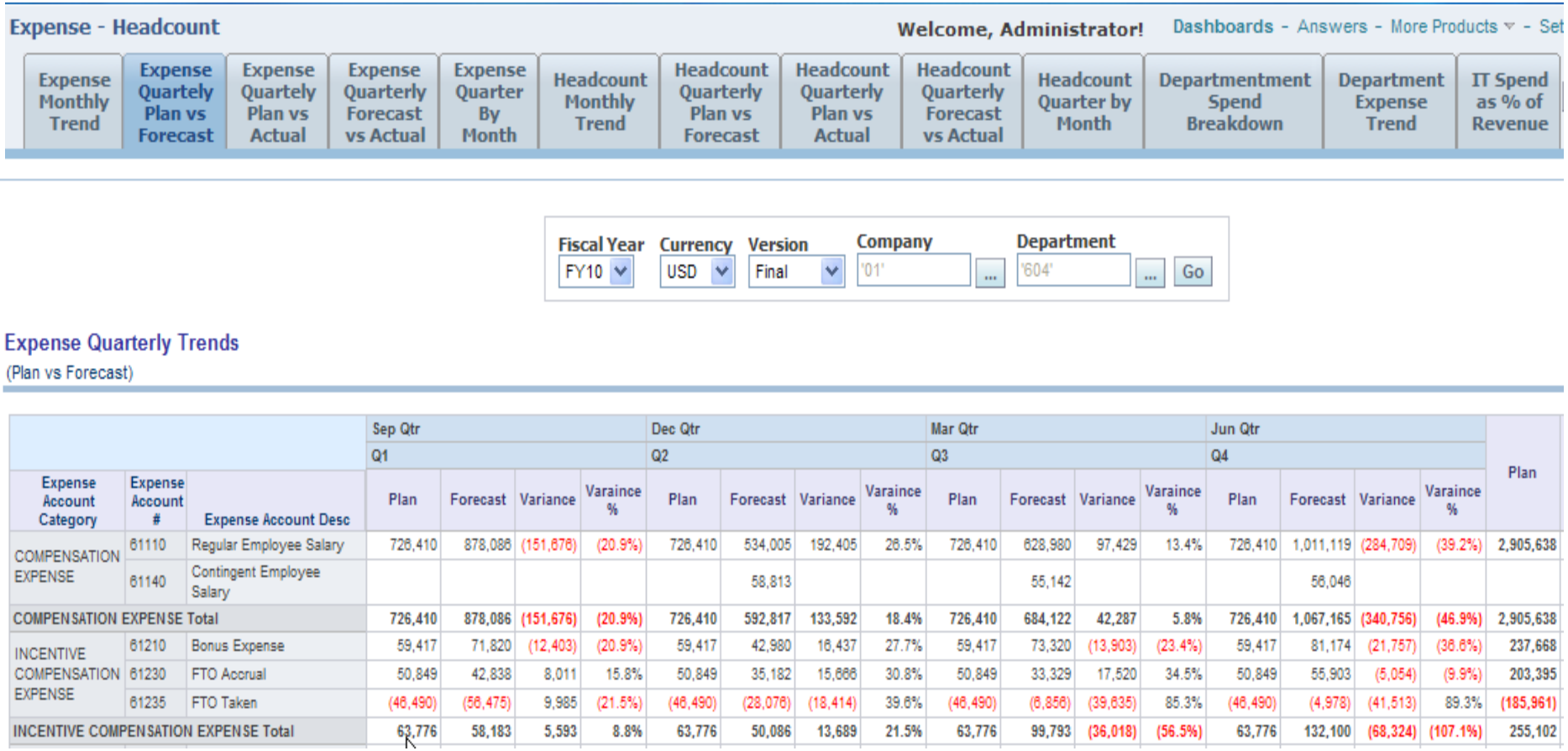
Expense Monthly Trends

Forecast

Expense Account Category	Expense Account #	Expense Account Desc	P1 Forecast	P2 Forecast	P3 Forecast	P4 Forecast	P5 Forecast	P6 Forecast	P7 Forecast	P8 Forecast	P9 Forecast	P10 Forecast	P11 Forecast	P12 Forecast	Forecast
COMPENSATION EXPENSE	61110	Regular Employee Salary	222,611	206,773	448,702	146,450	169,671	217,884	166,095	166,166	296,720	196,333	197,965	616,821	3,052,190
	61140	Contingent Employee Salary				5,000	26,920	26,893	19,790	24,020	11,331	11,850	9,616	34,580	170,001
COMPENSATION EXPENSE Total			222,611	206,773	448,702	151,450	196,591	244,777	185,885	190,186	308,051	208,183	207,581	651,401	3,222,191
INCENTIVE COMPENSATION EXPENSE	61210	Bonus Expense	18,280	30,680	22,860	18,920	18,920	5,140	14,260	19,460	39,600	17,220	17,220	46,734	269,294
	61230	FTO Accrual	14,804	14,655	13,380	14,142	10,493	10,547	10,732	10,783	11,814	6,335	19,150	30,418	167,252
	61235	FTO Taken	(28,092)	(19,461)	(8,922)	(1,858)		(26,219)	716	(12,941)	5,369		(4,978)	0	(96,385)
INCENTIVE COMPENSATION EXPENSE Total			4,992	25,874	27,317	31,204	29,413	(10,531)	25,708	17,302	56,784	23,555	31,392	77,152	340,161

10G Report Samples Continue.

- Multiple Scenario Spread sheet format similar to Excel Add-In attached to a dashboard



Expense - Headcount

Welcome, Administrator! Dashboards - Answers - More Products - Set

Expense Monthly Trend | Expense Quartely Plan vs Forecast | Expense Quartely Plan vs Actual | Expense Quarterly Forecast vs Actual | Expense Quarter By Month | Headcount Monthly Trend | Headcount Quarterly Plan vs Forecast | Headcount Quarterly Plan vs Actual | Headcount Quarterly Forecast vs Actual | Headcount Quarter by Month | Departmentment Spend Breakdown | Department Expense Trend | IT Spend as % of Revenue

Fiscal Year: FY10 | Currency: USD | Version: Final | Company: '01' | Department: '604' | Go

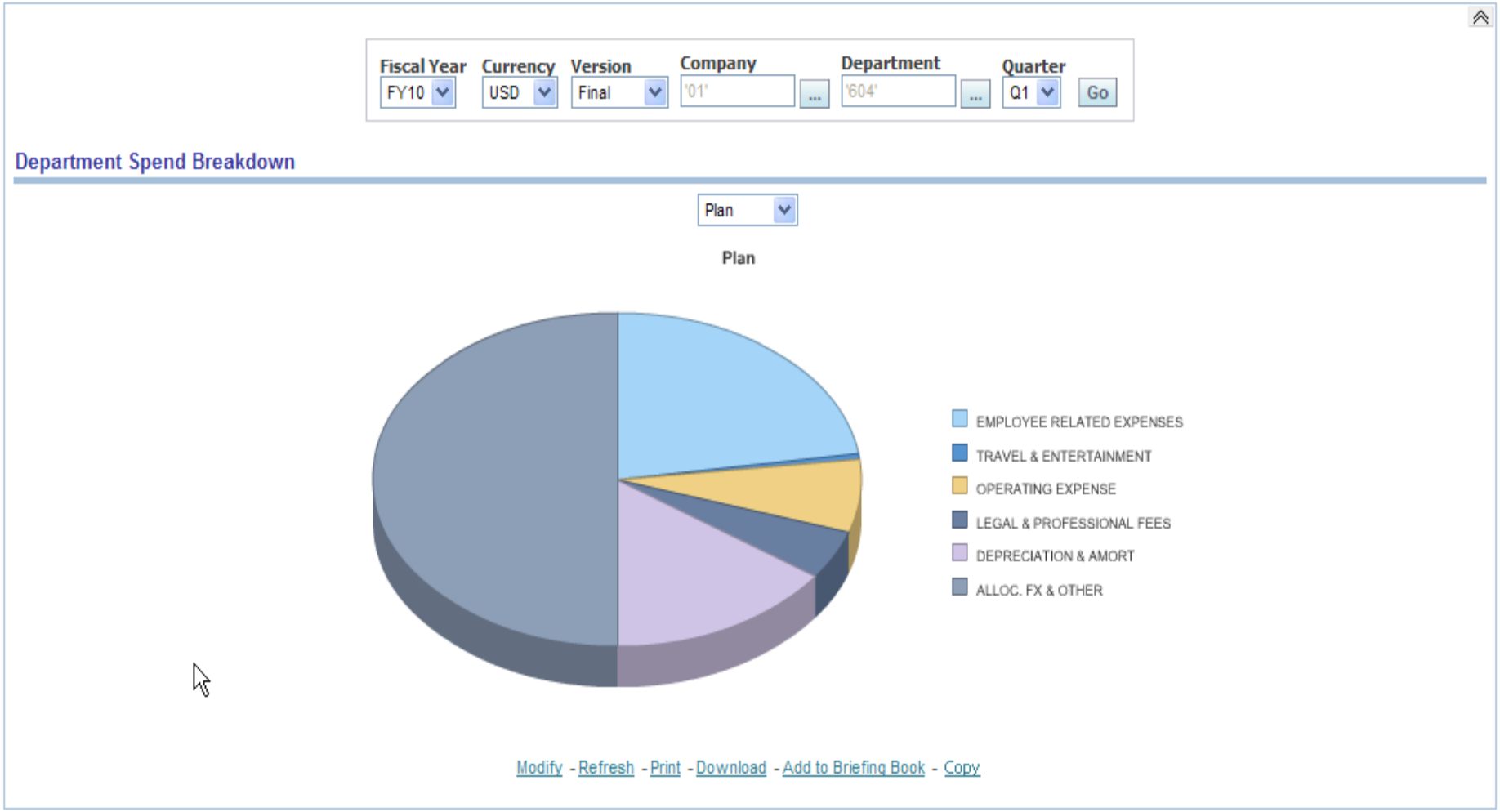
Expense Quarterly Trends

(Plan vs Forecast)

			Sep Qtr Q1				Dec Qtr Q2				Mar Qtr Q3				Jun Qtr Q4				Plan
Expense Account Category	Expense Account #	Expense Account Desc	Plan	Forecast	Variance	Varaince %	Plan	Forecast	Variance	Varaince %	Plan	Forecast	Variance	Varaince %	Plan	Forecast	Variance	Varaince %	
COMPENSATION EXPENSE	61110	Regular Employee Salary	726,410	878,086	(151,676)	(20.9%)	726,410	534,005	192,405	26.5%	726,410	628,980	97,429	13.4%	726,410	1,011,119	(284,709)	(39.2%)	2,905,638
	61140	Contingent Employee Salary						58,813				55,142				56,046			
COMPENSATION EXPENSE Total			726,410	878,086	(151,676)	(20.9%)	726,410	592,817	133,592	18.4%	726,410	684,122	42,287	5.8%	726,410	1,067,165	(340,756)	(46.9%)	2,905,638
INCENTIVE COMPENSATION EXPENSE	61210	Bonus Expense	59,417	71,820	(12,403)	(20.9%)	59,417	42,980	16,437	27.7%	59,417	73,320	(13,903)	(23.4%)	59,417	81,174	(21,757)	(36.6%)	237,668
	61230	FTO Accrual	50,849	42,838	8,011	15.8%	50,849	35,182	15,666	30.8%	50,849	33,329	17,520	34.5%	50,849	55,903	(5,054)	(9.9%)	203,395
	61235	FTO Taken	(46,490)	(56,475)	9,985	(21.5%)	(46,490)	(28,076)	(18,414)	39.6%	(46,490)	(8,856)	(39,635)	85.3%	(46,490)	(4,978)	(41,513)	89.3%	(185,961)
INCENTIVE COMPENSATION EXPENSE Total			63,776	58,183	5,593	8.8%	63,776	50,086	13,689	21.5%	63,776	99,793	(36,018)	(56.5%)	63,776	132,100	(68,324)	(107.1%)	255,102

10G Report Samples Continue..

- Pie Chart



10G Report Samples Continue…

- Benchmark sample

Demo Reports

OBIEE 10G and 11G differences

- 10G by default returns alias if present, if member name is required an additional column should be defined (only works for leaf members), 11 G import process created both columns in physical layer.
- 10 G by default designates Account dimension as measure dimension and create all members in account dimension as measures flattening account hierarchy. 11G creates single measure column retaining hierarchies for all dimensions.
- 11 G import process provides option to create columns for UDA (user defined attributes).
- 11G provides option to create columns for non-default aliases (i.e. German, French..)
- 11G Provides Outline drill down like Essbase Outline in reports.

Contact Information

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