



OBIEE & Essbase The Truth about Integration

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Agenda



- Introduction
- Audience Participation
- Current Essbase & OBIEE Integration Points
 - OBIEE querying Essbase
 - Essbase querying OBIEE (rpd)
- Known Issues
- What Customers are ACTUALLY doing
- Coming Integration!!!!
- Questions

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Introduction



Alex Ladd

- 12 Years of Planning/Essbase Experience
- OAUG Hyperion SIG Essbase Domain Lead
- Senior Partner MindStream Analytics

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Australia

Greece

Sweden

- How many of you are Essbase Users?
 - What type of Essbase Users? (Add-in, Smart View, Reports)

United Kingdom

lapan

China

Italv

Denmark

• How many using OBIEE?

United States of America

Iceland

Africa

Mexico

Portugual

- Are you here because you might start using Essbase?
- How many have both currently?
- How many of you are ex-Pinnacle?

South America

Spain

Singapore

Hungary

OBIEE Querying Essbase

- OBIEE as Reporting Tool Essbase as Data Source
 - Basics
 - Can OBIEE Pull Data from Essbase and read the dimension structures? - YES
 - Can the Data from Essbase be represented in OBIEE graphs and Dashboards nicely? - YES

Connection Point

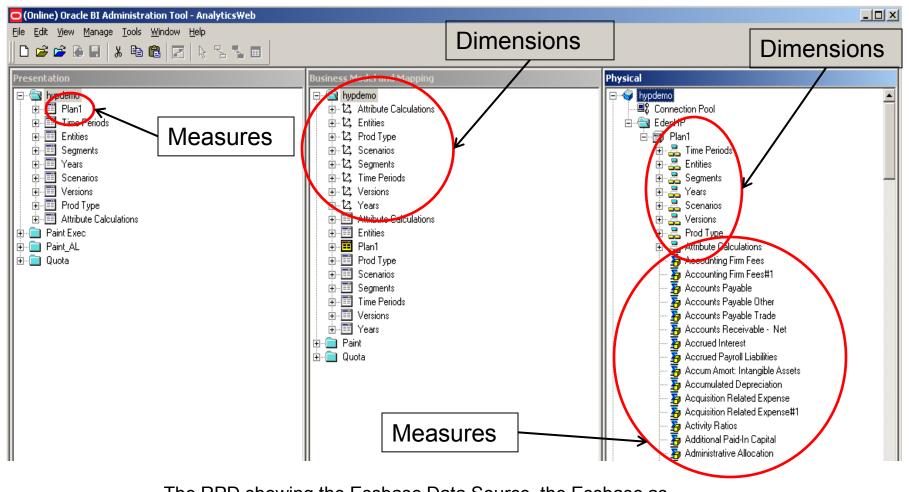
- More Advanced
 - Can Answers Provide Web Enabled Ad Hoc Analysis with Essbase as the Data Source? – Kind Of?
 - Drill Down but not up
 - Can OBIEE provide good financial Reporting from Essbase? NO
 - OBIEE is a relational Query tool so it makes Essbase behave that way too
 - » This means that Ragged Hierarchies aren't presented optimally
 - Asynchronous Rows is not supported

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Essbase in the RPD file



2010

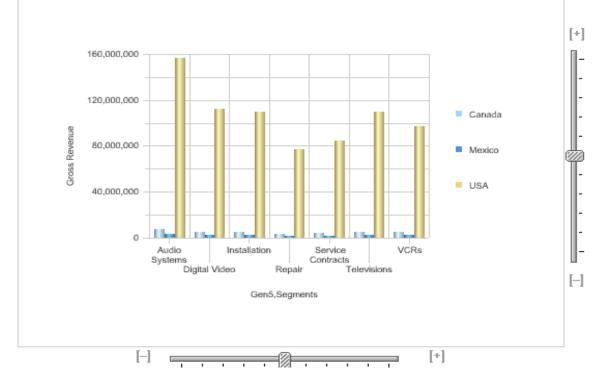


The RPD showing the Essbase Data Source, the Essbase as Business Model and Essbase in the Presentation Layer.

OBIEE Charts





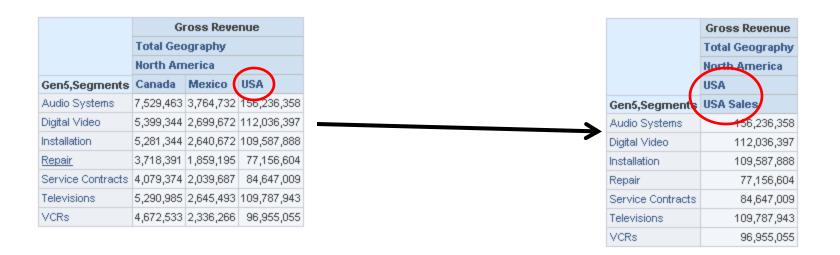


OBIEE Charts with Essbase Data

Here is multi-bar chart created in OBIEE Answers for use in a Dashboard. The OBIEE charts are very sharp and offer a rich User Interface experience. The Essbase data flows in well.



Drilling Down on Columns



Connection Point

oracle applications users group

Drilling Down on "USA"

By drilling down on the "USA" member the whole flavor of the report changes. Canada and Mexico are removed and the USA child appears. This is the way a relational tool works, think of adding parameter to the WHERE section of a SQL Statement.



Drilling Down on Rows

	Gi	ross Reve	nue								
	Total Geo	ography									
	North Arr	nerica									
Gen5,Segments	Canada	Mexico	USA								
Audio Systems	7,529,463	3,764,732	156,236,358								
Digital Video	5,399,344	2,699,672	112,036,397	\mathbf{N}							
Installation	5,281,344	2,640,672	109,587,888								
Repair	3,718,391	1,859,195	77,156,604								
Service Contracts	4,079,374	2,039,687	84,647,009								
Televisions	5,290,985	2,645,493	109,787,943								
VCRs	4,672,533	2,336,266	96,955,055						C-	oss Reve	
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				Gen5,Segments	Genz, Segments	oens,segments	ooniijooginonto	DVD Player		1,042,031	43,244
										1,042,031	
				Gen5,Segments	Total	All Segments	Electronics	DVD Player	2,084,062 709,580	1,042,031 354,790	14,723,

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Drilling down on "Digital Video"

Drilling down of the "Digital Video" member doesn't result in the same thing that most Essbase Users would expect. Instead we see only the children of "Digital Video" and the rest of the products no longer appear.

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Undoing Drill Downs -1





Columns

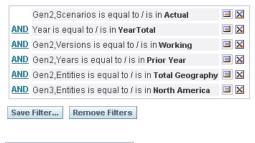
Click on column names in the selection pane to add them to the request. Once added, drag-and-drop columns to reorder them. Edit a column's format, formula and filters by clicking the buttons below its name.

	intities			Plan1
Year↓↑ Gen5,Segments↓↑ G	Gen2,Entities 👫	Gen3,Entities ↓↑	Gen4,Entities ↓↑	Gross Revenue ↓↑

Display Results	Remove All
------------------------	------------

Filters

Add filters to the request criteria by holding down the CTRL key and clicking on column names in the selection pane, or by clicking on the filter button below included columns. Add a saved filter by clicking on its name in the selection pane.



Combine with Similar Request

Prior to Drill Down

Notice Gen5, Segments only. The filters are only Scenario, Version, Periods, Year and Entities.



Undoing Drill Downs -2



Criteria	Results	Prompts	Advanced	Dashboards - Answers - More Products * - Settings * - Log Out
)		OAUG ConnectionPoint Fin Analysis 📴 🌯 🔒

Columns

Click on column names in the selection pane to add them to the request. Once added, drag-and-drop columns to reorder them. Edit a column's format, formula and filters by clicking the buttons below its name. (2)

Time Periods	Segments					Entities		
Year ↓↑	Gen5,Segments ↓↑	Gen6,Segments ↓↑	Gen4,Segments ↓↑	Gen3,Segments ↓↑	Gen2,Segments ↓↑	Gen2,Entities ↓↑	Gen3,Entities ↓↑	Gen4,Entitie
Display Resul	ts Remove All		V					

Filters

Add filters to the request criteria by holding down the CTRL key and clicking on column names in the selection pane, or by clicking on the filter button below included columns. Add a saved filter by clicking on its name in the selection pane.

	Gen2,Scenarios is equal to / is in Actual	Ξ	×
AND	Year is equal to / is in YearTotal		×
AND	Gen2,Versions is equal to / is in Working		X
AND	Gen2,Years is equal to / is in Prior Year		X
AND	Gen2,Entities is equal to / is in Total Geography	Ξ	X
AND	Gen3,Entities is equal to / is in North America	E	X
AND	Gen5,Segments is equal to / is in Digital Video		X
Save	Filter Remove Filters		

Combine with Similar Request

Post Drill Down

Notice all the new segment columns. The filters now have a Segments limitation. In order to drill back up we need to re-launch the original saved version or delete all of the "Criteria" additions the Drill Down added.

Asynchronous Rows



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OBIEE Can't Handle Asynchronous Rows Well

You can make Asynchronous Rows in OBIEE but you need to use a CASE statement and that is much more time consuming that what you can achieve in Hyperion Reports.



Financial Reporting



Connection Point

Gen1 ,Entities Entities 💌

	Q1			Q2			Q3			Q4			
Gen5,Segments	Gross Revenue	Headcount	Revenue per Head										
Audio Systems	85,138,066	846	100,636	85,943,196	858	100,128	112,258,633	879	127,760	94,638,646	913	103,657	
Digital Video	65,216,590	908	71,824	66,425,762	914	72,649	68,298,030	917	74,507	72,637,255	923	78,697	
Installation	75,721,270	310	244,262	26,406,720	311	84,909	52,813,440	311	169,818	110,908,224	311	356,618	
Repair	8,660,005	210	41,173	59,400,951	211	281,521	35,880,354	211	170,049	82,463,779	211	390,824	
Service Contracts	31,146,020	289	107,772	32,634,991	289	112,924	42,833,426	289	148,213	97,904,974	290	337,992	
Televisions	53,153,515	595	89,334	55,694,581	600	92,773	73,099,137	603	121,226	83,541,871	604	138,391	
VCRs	61,994,136	434	142,953	58,498,139	435	134,376	58,304,652	438	133,116	57,257,869	439	130,428	

Not as flexible as Hyperion Reports

OBIEE is a SQL query tool and it is designed to bring back SQL grids. The grid above is nice and informative, but it's not ready to present to senior management and even putting it in BI Publisher wont get it completely ready.

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Essbase Querying OBIEE

- •oracle applications users group
- Essbase on top of OBIEE (rpd as data source)
 - Works Like EIS
 - Essbase Schema becomes somewhat inflexible
 - Certain Changes can be problematic
 - All in all it works pretty well

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Some Issues

United States of America

Iceland

Africa

Mexico

Portugual



Australia

Greece

Sweden

- Lack of ability to do Asynchronous Rows
 - If you are an organization that needs Cost Center or Cost Type and Accounts in the Rows to create a Financial Statement this can be an issue
- When using RPD as a data source for Essbase Studio you can't add a new member without rebuilding the entire schema
- When using Essbase Studio your model should be mature

South America

Spain

Singapore

Hungary

United Kingdom

lapan

China

Italy

Denmark

Adding levels to a dimension entails full rework

Customer Stories

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- Investment Bank
- Wanted Financial Dashboard
- Project Successful Overall
- End Result was a set of Dashboards that were highly scripted and static and launched users into Financial Reports for any type of ad hoc analysis on the web
- Lots of Scripting in OBIEE
- BI Publisher was determined not to be capable of handling needed reporting due to asynchronous row limitation

- Mutual Fund
- Wanted OBIEE and BI Publisher
- Lots of problems with BI Publisher handling the relational data
- Changed course and decided to use OBIEE rpd as source for Essbase models
- Essbase Cubes built using Essbase Studio
- Essbase Cubes feed Financial Reports to deliver information

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What's coming



Australia

Greece

Sweden

- OBIEE interface is getting major overhaul
 - Asynchronous row issue will be resolved by what Oracle is calling "Dimensional Columns"
 - OBIEE will handle Essbase more like Financial Reports does today
- "Custom Group Results"

United States of America

Iceland

Africa

Mexico

Portugual

 Grid Navigation in what Answers calls a Pivot Table will be much like the Excel Add-in

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Spain

Singapore

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The New Answers



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Dimensional Columns





Dimensional Columns

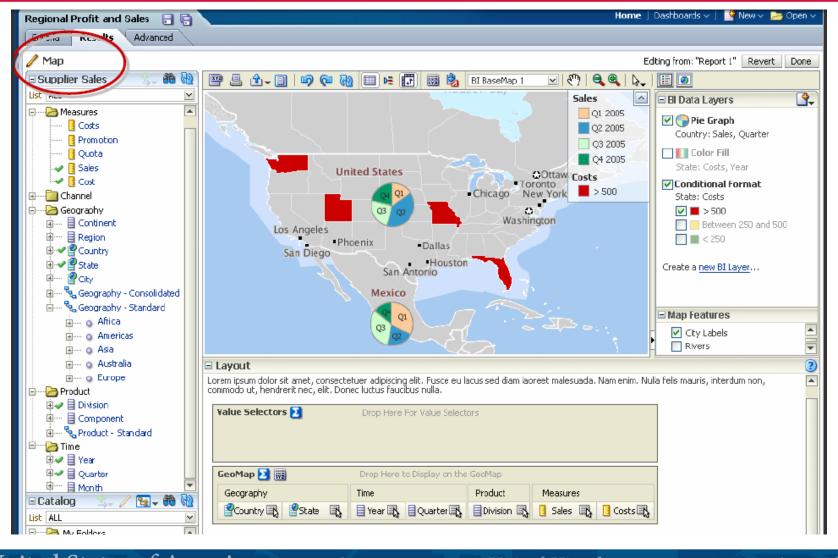
- New column type with unique capabilities
- Achieved by dragging and dropping hierarchy from Subject Area tree on to workspace
- Single column with expansion capabilities
- Asymmetrical Drilling
- "Drill Up"

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	± Mexico		30	60	10	10	10	30	10	20		
	± USA		150	300	50	100	50	100	50	100		
	± Asia		300	600	100	200	100	200	100	200		
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Maps!!!!



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Questions?







Contact Information

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For Screenshots of the new OBIEE

- Visit Debashi's OBIEE Blog at:
 - http://debaatobiee.wordpress.com/2009/10/06/obiee-11g-a-gospel-about-whirlpool-in-bi-space/

