



SOFTWARE SOLUTIONS

Oracle BI 11.1.1.6 New Features

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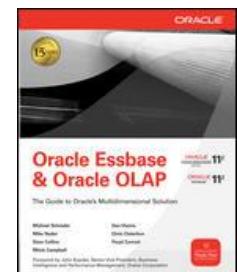
Oracle BI 11.1.1.6 New Features Agenda

- IOUG, BIWA and Vlamis background
- Agenda for reviewing features:
 - Exalytics
 - Dashboard
 - Visualization of data
 - BI Admin Tool
 - BI Publisher
- Live demo
- More information (Q&A) – Oracle demo on Exalytics
- Use Chat to ask questions during the presentation



Dan Vlamis and Vlamis Software Solutions

- Vlamis Software founded in 1992 in Kansas City, Missouri
- Developed more than 200 Oracle BI systems
- Specializes in ORACLE-based:
 - Data Warehousing
 - Business Intelligence
 - Design and integrated BI and DW solutions
 - Training and mentoring
- Expert presenter at major Oracle conferences
- www.vlamis.com (blog, papers, newsletters, services)
- Developer for IRI (former owners of Oracle OLAP)
- Co-author of book “Oracle Essbase & Oracle OLAP”
- Beta tester for OBIEE 11g
- HOL Coordinator for 2012 Collaborate Conference



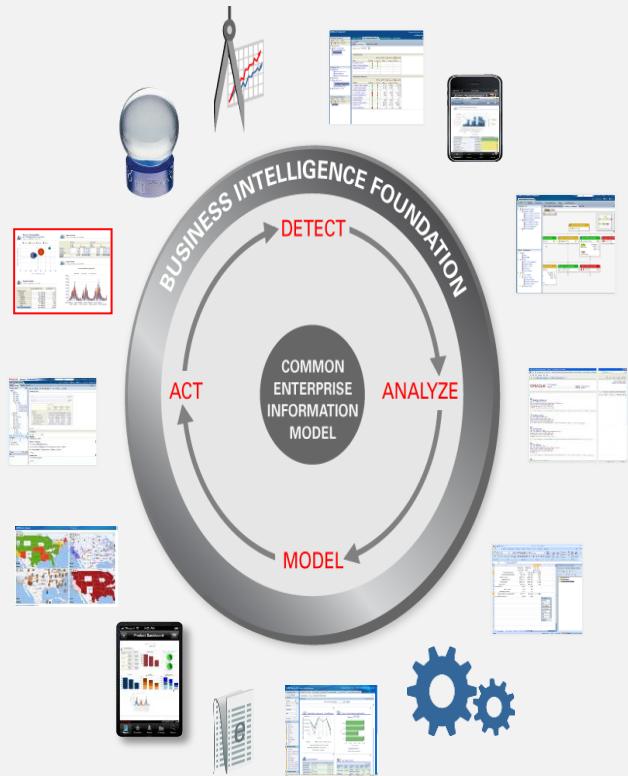


OBIEE 11g Releases

- 11.1.1.3 (August 2010)
 - Huge release with major new functionality
- 11.1.1.5 (May 2011)
 - First patch release – fix bugs
 - Platform for BI Apps 7.9.6.3 to migrate to OBIEE 11g
 - Introduction of BI Mobile (iPad only)
 - OLAP integration
 - 64-bit Admin Tool, separate install
- 11.1.1.6 (February 2012)
 - Platform for Exalytics (announced Oct 2011)
 - TimeTen integration
 - Fix bugs
 - New features mostly for Exalytics
 - Additional miscellaneous new features



Oracle Exalytics BI Machine



Optimized Oracle Business Intelligence Foundation Suite



TimesTen for Exalytics



Memory Optimized Essbase



Adaptive In-Memory Tools

In-Memory Analytics Software



1 TB RAM
40 Processing Cores
High Speed Networking

In-Memory Analytics Hardware



Oracle Exalytics

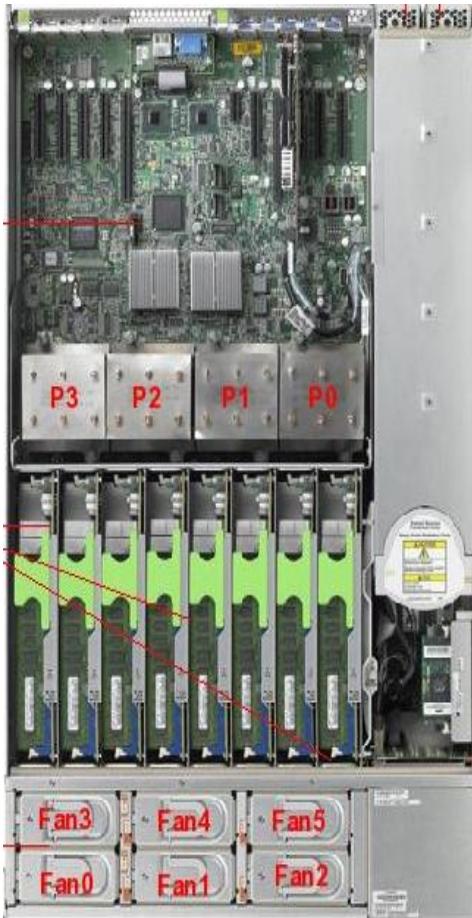
- Optimized Hardware
 - Processor: 40 Intel Cores
 - Memory: 1 Terabyte DRAM
- Software Breakthroughs
 - Adaptive In-Memory Caching
 - In-Memory Columnar Compression
 - Optimized Storage Block Access
 - Free Form Data Exploration
 - High Density Visualizations
 - Optimized for Exadata





Exalytics Hardware Architecture

- RAM Machine Optimized to Run BI Foundation Suite



Memory

1 TB RAM, 1033 MHz

Compute

4 Intel® Xeon® E7-4870, 40 cores total

Networking

40 Gbps InfiniBand – 2 ports

10 Gbps Ethernet – 2 ports

1 Gbps Ethernet – 4 ports

Storage

3.6 TB HDD Capacity



Go-less Prompts – No Apply Button

- Can make more intuitive dashboards
- Apply / Reset buttons now optional
- Prompt button has three reset options – reset to last applied values, reset to default values, clear all
- Requires fast server (designed for Exalytics)
- Can enable/disable via instance config entry
- Do users always want everything that dynamic?



Auto-Complete Search Prompt

- Auto-complete on dashboard prompts
- Works in Choice List
- Alpha-numeric only (not numbers)
- Administrator can:
 - Disable / enable
 - Determine case sensitive or not
 - Determine matching level
 - Determine how many records
- Especially handy on large lists



New Contextual Right-click Actions

- Right-click a hierarchy member for additional options
- Can turn off if want to

The screenshot shows the Analysis Properties window with the 'Interactions' tab selected. A context menu is open over a data cell in a grid. The menu includes options like 'Expand', 'Collapse all items for this column', 'Collapse all items in view', 'Sort >', 'Keep Only', 'Remove', 'Keep Only Related >', 'Remove Related >', 'Add Related >', 'Create Group...', 'Create Calculated Item...', 'Products Hierarchy >', 'Aurelio Miran', 'Helen May', 'Monica Vel', 'Paul Atkins', 'Sophie Ber', 'Peter M', and 'Russell V'. An arrow points from the 'Views Run-time Options' section of the Analysis Properties window to the 'Keep Only' option in the context menu.

Analysis Properties

Results Display Interactions Data

Views Run-time Options

- All Interactions
- Drill (when not a primary interaction)
- Move Columns
- Sort Columns
- Add/Remove Values
- Create/Edit/Delete Groups
- Create/Edit/Delete Calculated Items
- Display/Hide Sub-totals
- Display/Hide Running Sum
- Include/Exclude Columns

Total Products 3,057,745,331 1,024,546,766 912,618,216 156,789,117 466,521

2009 Q1 2009

19,800,591 390,926,313 69,461,039 200,521

8,327,209 295,696,720 50,763,429 151,571

12,621,504 125,886,200 20,281,582 65,531

15,705,705 169,810,521 30,481,848 86,041

15,193,634 84,028,446 13,041,788 41,801

10,512,072 85,782,075 17,440,060 44,231

16,418,966 225,995,183 36,564,649 114,421

Total Time 2008 2009 2010

0,000,000 925,000,000

5,062,274 43,435,520

Sort Column >

Keep Only >

Remove >

Show Row level Grand Total >

Show Column level Grand Total >

Exclude column

Hide Column

Move Column >

Top X >

Bottom X >

Members where Revenue Analysis is greater than

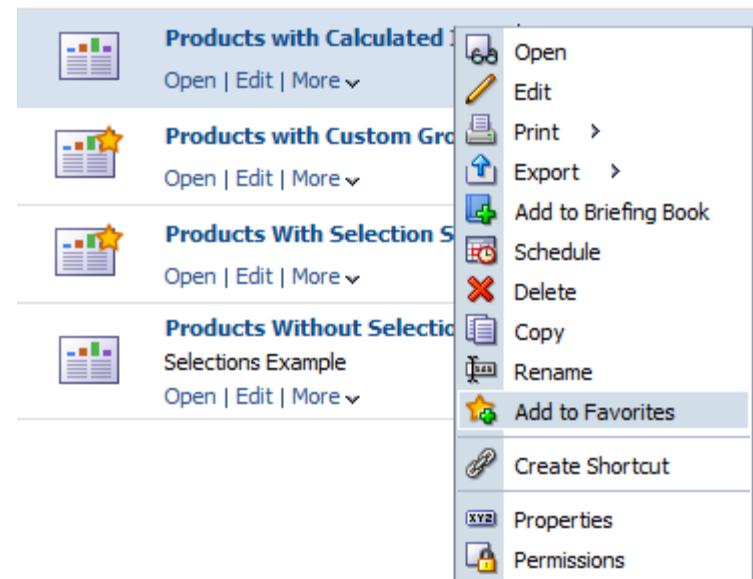
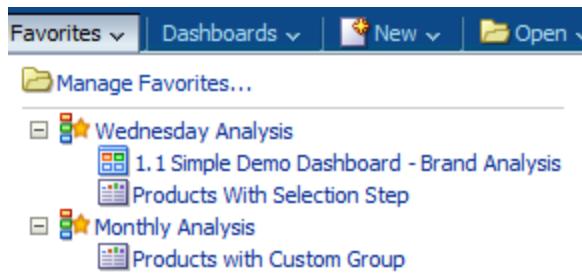
Members where Revenue Analysis is less than >

Members At Hierarchy Levels...



Favorites Inside OBIEE

- Replaces / augments
 - Open-Recent
 - Making dashboards just to contain favorites
 - Organizing via folders in Catalog
- Add dashboards, reports, etc. via right-click
- Use on main screen



Selection Steps View

- Selection Steps can now be added to a view (dynamic)

 Products With Selection Step
Time run: 2/28/2012 7:11:18 PM

Revenue	
7 Megapixel Digital Camera	219,610,282
Game Station	158,356,366
KeyMax S-Phone	174,314,944
LCD 36X Standard	230,023,699
MPEG4 Camcorder	227,506,450
MicroPod 60Gb	288,088,111
PocketFun ES	177,057,605
Touch-Screen T5	197,056,135
Tungsten E Plasma TV	233,139,627
V5x Flip Phone	211,389,210
Grand Total	2,116,542,428

New Selection Steps View

List: ALL

Products - P1 Product

1. Start with all members
2. Then, Keep only members of "Products". "P1 Product" where "A - Sample Sales". "Base Facts". "1- Revenue", for: "Time". "T05 Per Name Year": '2009' is greater than 50000000

Product Name Selection Steps

1. Start with all members
2. Keep all Product Names where 2008 Revenue > 1,100,000

[Edit](#) - [Refresh](#) - [Export](#) - [Copy](#)

Hard-coded by developer



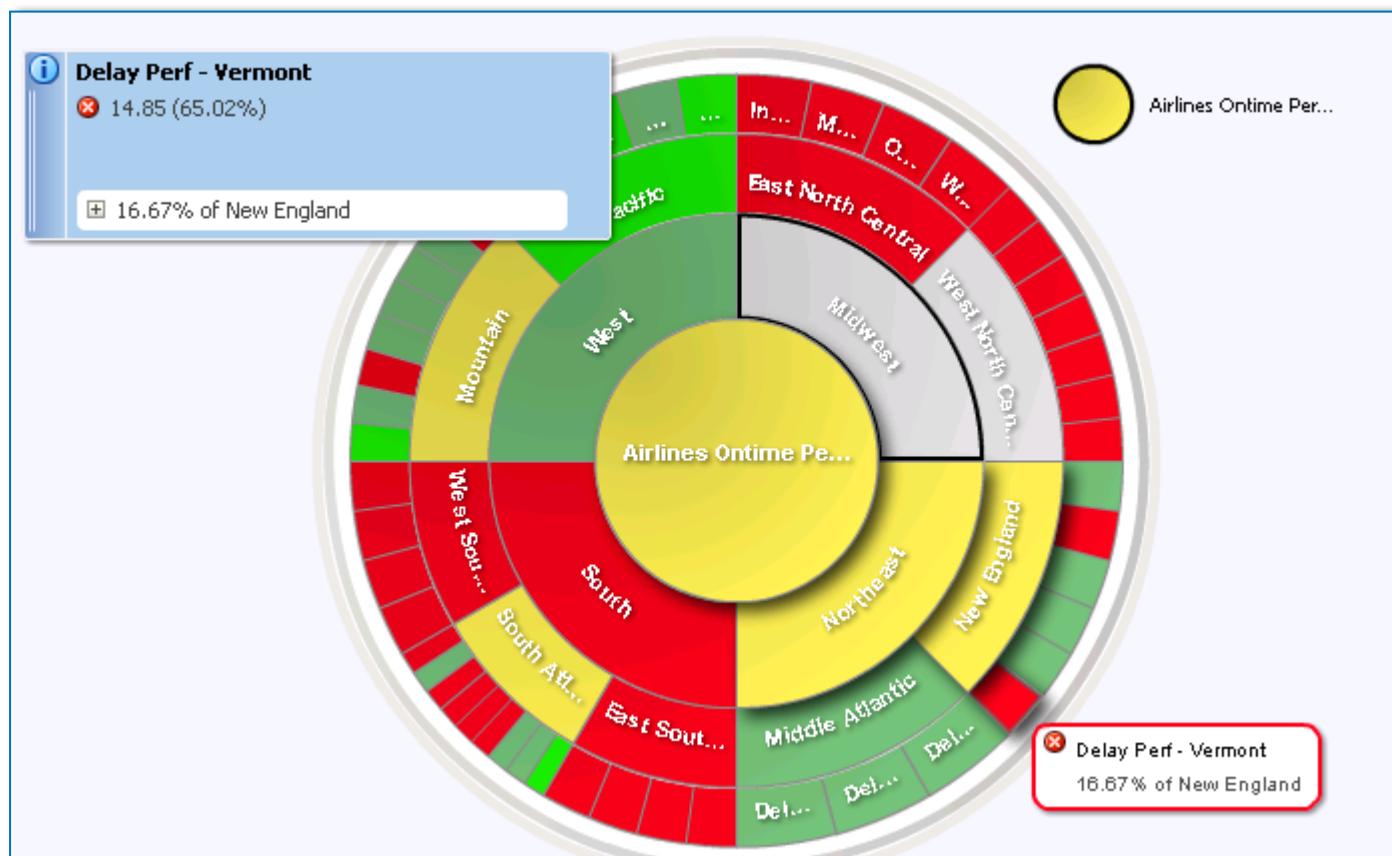
Ability to Auto-Add Columns in Criteria Tab

- Most common source of confusion to new users
- Formerly, new columns added in criteria tab not added to views
- Formerly, must edit views to include new columns
- Caused because users go to Criteria tab to edit filters
- Now, views auto-add columns if added to Criteria tab



Scorecard Strategy Wheel Diagram

- Can see multiple levels at once
 - Wheel metaphor shows contribution to overall score





BI Publisher New Features

- Handle more records with less memory
- Favorites in BI Publisher
- Edit scheduled job
- Enhanced parameters and list of values
- Create report workflow
- Output to PDF/A and PDF/X
- Display HTML formatting in data
- Trial Edition



Administration

- Install Client Tools from web page (includes Cat Mgr)
- Enterprise Manager enhancements (control log levels)
- New data sources
 - Informix 11.5
 - Sybase ASE 15
 - Netezza 6
- Browsers
 - IE 9
 - Chrome 12
 - Firefox 6
 - Mobile for iOS 5
- OS Support for Solaris 11



BI Admin Tool

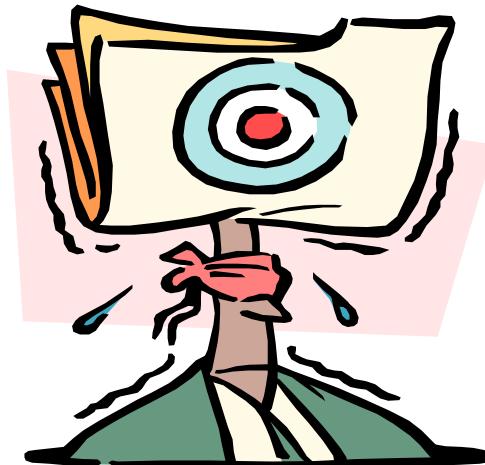
- Can print model diagrams from BI Admin Tool
- Source control management integration
 - Can save repository as series of MDS XML files
 - Each object is in separate file
 - Designed for integration in source control software
 - See excellent blog by Mark Rittman at
<http://www.rittmanmead.com/2012/02/obiee-11-1-1-6-mds-xml-repositories-and-integration-with-source-control/>
- New Patchrpd command-line utility can patch rpd files



Misc New Features

- Use FETCH and OFFSET clauses to control the number of rows returned
- FIRST_PERIOD and LAST_PERIOD time series functions
- Additional capabilities in full text search
- Map views can include non-BI layers. Can zoom easier

Questions?



More information on:

Vlamis Software: www.vlamis.com, dvlamis@vlamis.com

IOUG BIWA: www.ioug.org, www.oraclebiwa.org

Collaborate conference: <http://events.ioug.org/p/cm/ld/fid=28>

Oracle webcast: <http://vshow.on24.com/vshow/itwebcastcenter/content/395041>

Download software: <http://www.oracle.com/technetwork/middleware/bi-enterprise-edition/downloads/biee-111150-393613.html>

OBIEE Doc (New Features for Oracle BI EE 11g Release 1 (11.1.1.6))

http://docs.oracle.com/cd/E23943_01/bi.1111/e10544/whatsnew.htm#CJAIIBCB

http://docs.oracle.com/cd/E23943_01/bi.1111/e10540/whatsnew.htm#CJAEEGJH

http://docs.oracle.com/cd/E23943_01/bi.1111/e10541/whatsnew.htm#BGGGJIJH