Oracle BI 11.1.1.9 New Features

IOUG BIWA SIG TechCast

June 4, 2015

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Oracle BI 11.1.1.9 New Features Agenda

• IOUG, BIWA and Vlamis background
• Agenda for reviewing features:
  • Lots of new features – mostly demo
  • More information (Q&A)
• Use Chat to ask questions during the presentation

www.vlamis.com
Who Are You?

- Customer IT
- Customer end-user
- Oracle employee
- Consultant / independent
- Other
Mark Your Calendars Now!

BIWA Summit 2016, Jan 26-28

Oracle HQ Conference Center

Business Intelligence, Warehousing and Analytics and Spatial

IOUG Special Interest Group

www.biwasummit.org

Copyright © 2015, Vlamis Software Solutions, Inc.
Vlamis Software founded in 1992 in Kansas City, Missouri
Developed more than 200 Oracle BI systems
Specializes in ORACLE-based:
  • Data Warehousing
  • Business Intelligence
  • Data Mining and Predictive Analytics
  • Data Visualization
Expert presenter at major Oracle conferences
Authors of 2015 book “Data Visualization for Oracle BI 11g”
Co-author of book “Oracle Essbase & Oracle OLAP”
www.vlamis.com (blog, papers, newsletters, services)
Developer for IRI (former owners of Oracle OLAP)
Beta tester for OBIEE 11g & 12c
Conference chair for BIWA Summit 2014 - 2016
OBIEE 11g Major Releases

- 11.1.1.3 (August 2010)
  - Huge release with major new functionality
- 11.1.1.5 (May 2011)
  - BIWA TechCast May 25: [Oracle BI 11.1.1.5 Released - Changes and New Features](#)
  - 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)
  - BIWA TechCast Feb 29: [Oracle BI 11.1.1.6 New Features](#)
  - Platform for Exalytics (announced Oct 2011)
  - TimesTen integration
  - Fix bugs
  - New features mostly for Exalytics
- 11.1.1.6.2 and 11.1.1.6.2 BP1 (May 2012 and June 2012)
  - BIWA TechCast Aug 1: [Oracle BI 11.1.1.6.2 BP1 New Features](#)
  - BI Mobile rewrite
  - Trellis Views
- 11.1.1.7 (April 2013)
  - BIWA TechCast Apr 5 [Oracle BI 11.1.1.7 New Features](#)
  - Freeze headers/scroll bars for tables and pivot tables
  - New Navigation Trail capabilities (bread crumbs)
  - View and manipulate BI content in SmartView in Excel and enhanced export
  - New Oracle R Enterprise (ORE) integration and capabilities
- 11.1.1.9 (May 2015)

Prior release presentations at www.vlamis.com
11.1.1.9 End-User Enhancements

- Control # decimal places on scores in OSSM
- Search in Subject Areas pane
- *New Treemap view
- *Global variables
- Save Column As choice in Criteria tab

* Actually new in 11.1.1.7.10 or .16
11.1.1.9 End-User Enhancements

- Fuse, *Skyros styles (cleaner look)
- *Horizontal radio and check box prompts
- *View properties button in compound layout
- Users can add own images instead of relying on fmap

* Actually new in 11.1.1.7.10 or .16
OBIEE 11.1.1.9 Extra Thoughts

- Terminal release for 11g
- Testing and validation tool to be released on OTN
- Preparing for 12c
  - For example, see layout pane for treemap is vertical
Demonstration of New Features
Administrator Features*

- BI Server Query Instrumentation and Usage Tracking
- Milliseconds in BI Server logs & total time in BI Server
- Usage tracking has new columns, including SESSION_ID
- Init Block timing tracking
- Presentation Services Cursor Cache manages sessions
- HTML5 rendering instead of Flash
- Users can add own images instead of relying on fmap:

*Content from Robin Moffat’s excellent blog entry on Rittman's blog about the new features for administrators
Top Tasks for Oracle BI Enterprise

The following list provides the top tasks for analyzing:

- Accessing Oracle BI Enterprise Edition
- Finding and Exploring Existing Content Video
- Creating Your First Analysis Video

Analyze

Get Started with Analyses and Dashboards

Top tasks for analyses and dashboards
Find and explore content

Analyze Information
Create your first analysis
Save analyses
Export analyses

https://docs.oracle.com/middleware/11119/biee/index.html
SampleApp v506 on 11.1.1.9 Coming

- Demo today based on SampleApp v506
- Demonstrates new features
- Runs as fully-contained VM on VirtualBox
- See demos on Oracle BI TechDemo YouTube Channel [https://www.youtube.com/user/OracleBITechDemos](https://www.youtube.com/user/OracleBITechDemos)
SampleApp V506: New Exalytics Features

Aggregate Persistence Wizard handling Count-Distinct aggregations in Aggregate Tables

<table>
<thead>
<tr>
<th>Orig Division Name</th>
<th>Source Fact Table</th>
<th># of Distinct Aircrafts</th>
<th>2010 / 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>East North Central Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,754</td>
<td></td>
</tr>
<tr>
<td>East South Central Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,478</td>
<td></td>
</tr>
<tr>
<td>Middle Atlantic Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,079</td>
<td></td>
</tr>
<tr>
<td>Mountain Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,212</td>
<td></td>
</tr>
<tr>
<td>New England Division</td>
<td>FACT_AGGR_CD_05</td>
<td>2,791</td>
<td></td>
</tr>
<tr>
<td>Pacific Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,066</td>
<td></td>
</tr>
<tr>
<td>South Atlantic Division</td>
<td>FACT_AGGR_CD_05</td>
<td>4,111</td>
<td></td>
</tr>
<tr>
<td>West North Central Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,165</td>
<td></td>
</tr>
<tr>
<td>West South Central Division</td>
<td>FACT_AGGR_CD_05</td>
<td>3,592</td>
<td></td>
</tr>
</tbody>
</table>

FACT_AGGR_CD_05 table definition
- Route detail (Dimension)
- Month (Dimension)
- Orig Airport (Dimension)
- Dest Airport (Dimension)
- Aircraft number (Count Distinct Metric) - Air

FACT_AGENT OR RS_04 table definition
- Month (Dimension)
- Product Desc (Ragged skipped dimension grain)
- Product Type (Ragged skipped dimension parent level)
- Product LOB (Ragged skipped dimension parent level)
- Revenue (Metric)

Aggregate Persistence Wizard handling Ragged Skipped Level Hierarchies in Aggregate Tables

<table>
<thead>
<tr>
<th>Product (Rdg Sk Lvl)</th>
<th>Source Fact Table</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2 Products</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 1</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 2</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 3</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 4</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 5</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 6</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A - Brand 7</td>
<td>FACT_AGGR_RS_04</td>
<td>6k Rows</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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SampleApp V506: New BIMAD Apps and new BIMAD Plugg-ins
SampleApp V506: Integration Examples

Invoke any database function directly from dashboard using Evaluate function, passing contextual values.

Pass contextual values directly from dashboard to an APEX application.
SampleApp V506: More Custom Visuals

Additional Custom visual examples
SampleApp V506: OBIEE + IMPALA or HIVE

OBIEE directly sourcing from Cloudera Impala
SampleApp V506 : OBIEE + BIG DATA SQL

OBIEE leveraging Big Data SQL to optimize queries to Big Data datasources
More information on:

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

BIWA Summit 2016: www.biwasummit.org
OBIEE Doc Getting Started (also see Books link)
https://docs.oracle.com/middleware/11119/biee/index.html
OBIEE Doc New User features:
https://docs.oracle.com/middleware/11119/biee/BIEUG/whatsnew.htm
BI Tech Demos by SampleApp team on YouTube
https://www.youtube.com/user/OracleBITechDemos