Oracle BI 12.2.1 New Features
IOUG BIWA SIG TechCast

November 20, 2015
December 16, 2015

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http://www.vlamis.com
Oracle BI 12.2.1 New Features Agenda

• IOUG, BIWA and Vlamis background
• Agenda for reviewing features:
  • Lots of new features – mostly demo
  • More information (Q&A)
• Use Questions or Chat or Questions to communicate

www.vlamis.com
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
Conference chair for BIWA Summit 2014 - 2016
www.vlamis.com (blog, papers, newsletters, services)
Co-author of book “Data Visualization for OBI 11g”
Co-author of book “Oracle Essbase & Oracle OLAP”
Oracle University and Gold Partner
Beta tester for OBIEE 11g & 12c
## Month of IOUG BIWA Techcasts

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More information and sign up at [www.vlamis.com/papers2015/#novdec](http://www.vlamis.com/papers2015/#novdec)
OBIEE 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
  • 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
  • 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)
  • BIWA TechCast Jun 4, 2015 Oracle BI 11.1.1.9 New Features IOUG BIWA SIG TechCast
  • Control # decimal places on scores in OSSM
  • Search in Subject Areas pane
  • New Treemap view
  • Global variables and Save Column As choice in Criteria tab

• 12.2.1 (October 2015)

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

- Alta UI skin focuses on content – clean page design
- Redesigned classic BI home page – consistent with other Oracle products
12.2.1 End-User Enhancements

12.2.1 End-User Enhancements

• Data mashup capabilities – no RPD modifications

Add your own data files

Example: Upload a File

Access your data directly from an analysis w/o any RPD dependencies
Demonstration of Visual Analyzer
12.2.1 End-User Enhancements

- Enhanced subject area pane – including search through metadata
- Right-click all graphs and cells

Forecasting Revenue by Month

Formula: forecast("Base Facts"."1- Revenue", ("Time"."T02 Per Name Month" timeMonth), 'forecast', 'ni

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```
# of Students Reached
0   200K  400K  600K  800K  1,000K  1,200K  1,400K
```

Sort... Drill

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12.2.1 End-User Enhancements

- Improved view rendering using HTML 5 – including new Heat Matrix view type
12.2.1 End-User Enhancements

- Improved methods of creating groups, calculated items and measures
12.2.1 End-User Enhancements

- Improved analytic capabilities – new pre-built functions and add custom R scripts
OBIEE 12.2.1 Extra Thoughts

• Much Cleaner Interface for the users
  • Visual analyzer and Mashups empower users to explore their data
  • Trend Analysis and Clustering directly available for users
  • New Ask/Search capability in VA home screen
• Additional Analytic tools integrated (e.g. R)
  • Call R functions directly
• Simpler installation for the Administrator
  • Fast, simple installation
  • Out of Place Migration (no impact to 11g environments)
  • Migration utility easily migrates 11g Webcat, RPD, and security scheme to new environment
• Preparing for 12c
  • Baseline Validation Tool (works back to 11.1.1.7.1)
12.2.1 Admin and Development

• Baseline Validation Tool eases migration and migration worry-free migration from 11g

• Migration: BAR files simplify application content backup and migration
  • Creating the BAR File from Current Environment:

    `exportServiceInstance(domainHome, serviceInstanceKey, workDir, exportDir, applicationName=None, applicationDesc=None, applicationVersion=None, includeCatalogRuntimeInfo=false, includeCredentials=None)`

  • Importing the BAR file in Target environment:

    `importServiceInstance(domainHome, serviceInstanceKey, barfile)`

• No More GUIDs

• No more OPMN (startup / shutdown – much cleaner)
Oracle Fusion Middleware 12c (12.2.1)
Oracle Business Intelligence - Tasks

Get Started

Release Notes
- Release Notes for Oracle BI
- All Fusion Middleware release notes

Learn About Oracle BI
- Overview

Install Oracle BI
- Learn about the installation process
- Install Oracle BI
- Perform post-installation tasks

Migrate BI EE from an 11g Release
- Migrate Oracle Business Intelligence

Oracle BI Products
- Oracle BI Enterprise Edition
- Oracle BI Publisher

Use Cases and Examples
- BI EE sample application

Related Documentation
- Oracle Business Intelligence Mobile Products
- Oracle Exalytics
- Oracle Essbase

http://docs.oracle.com/middleware/1221/bisuite/index.html
(click Books link to get New Features in Version 12.2.1 section)
• Demo today based on SampleApp v511
• Download SampleApp from:
  OTN (SampleApp 511 will be available shortly)
• Demonstrates new features
• Runs as fully-contained VM on VirtualBox
• See demos on Oracle BI TechDemo YouTube Channel
  https://www.youtube.com/user/OracleBITechDemos
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

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Questions?

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)
http://docs.oracle.com/middleware/1221/bisuite/index.html
OBIEE Doc Complete Library:
http://docs.oracle.com/middleware/1221/bisuite/docs.htm
BI Tech Demos by SampleApp team on YouTube
https://www.youtube.com/user/OracleBITechDemos