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Oracle BI 12c Highlights



Simplify Administration and Lower TCO



Enhance User Experience





Improve Performance with In-Memory Computing





Support More Data Sources





Analytic offerings in the market today

IT friendly

- 1. Governance
- 2. Singular semantic
- 3. Enterprise ready

Business user friendly

- 1. Ease of Use
- 2. Agile

OR

3. Self-service

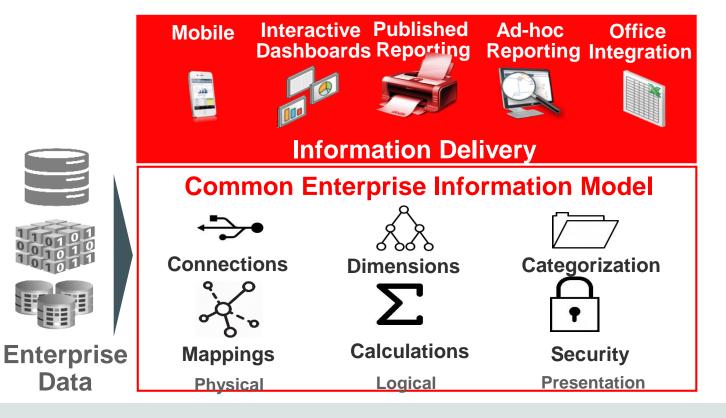


Oracle Business Intelligence 11g

Data

IT friendly

Governance, Singular semantic, Enterprise ready





Oracle Business Intelligence 12c

IT friendly

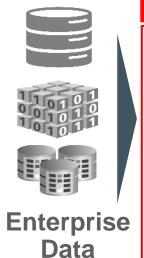
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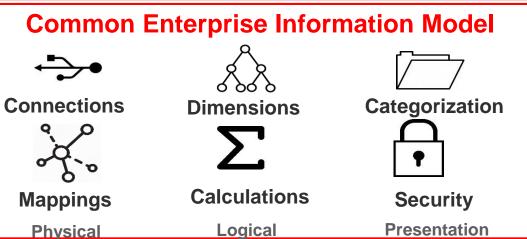
Business user friendly

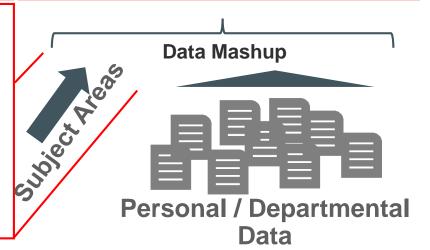
Governance, Singular semantic, Enterprise ready

Ease of Use, Agile, Self-service







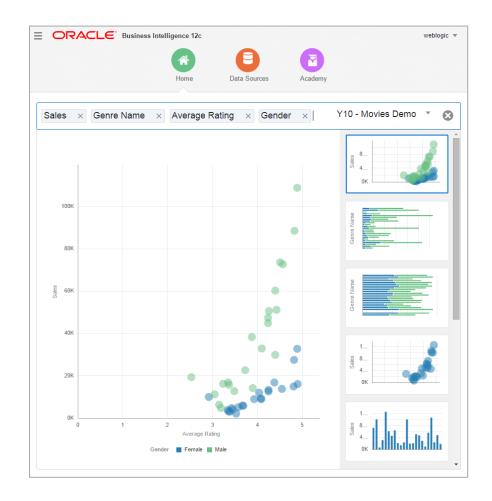


Quick Answers to Quick Questions

 Interprets semantic layer, catalog artifacts and underlying data using intuitive keyword search

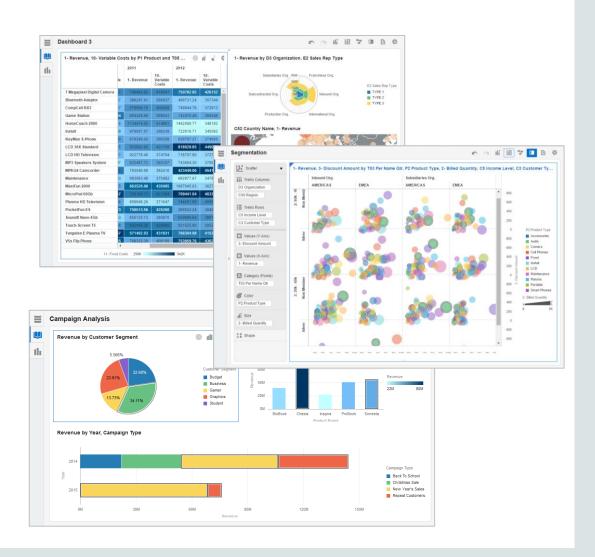
 Generates on-the-fly queries -Visualizations auto-created while user types

Easy entry point into authoring tools

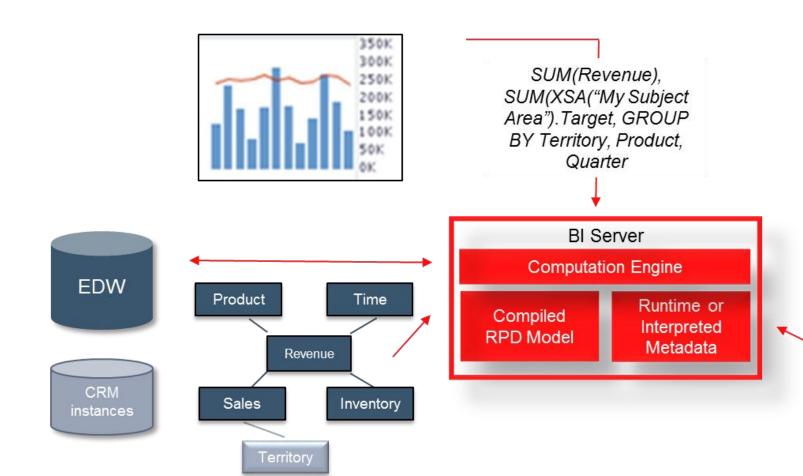


Visual Exploration for Everyone

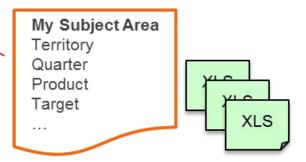
- Intuitive visual grammar guides users during analysis
- Automatic brushing enables discovery of new patterns
- Consumer-style filtering and exploration
- Rich library of visual components
- Advanced trellising exposes hidden patterns in data
- Canvas model seamlessly blends reporting & dashboarding



Self Service: Model Extensibility and Data Mashup



- Core strength of Oracle BI is federating + aggregating queries across disparate sources
- New capabilities around runtime metadata allow user-supplied data to be incorporated 'just-in-time' in BI Server query plan
- Combination brings proven robustness of BI Server governance and scalability together with flexibility required for business user autonomy



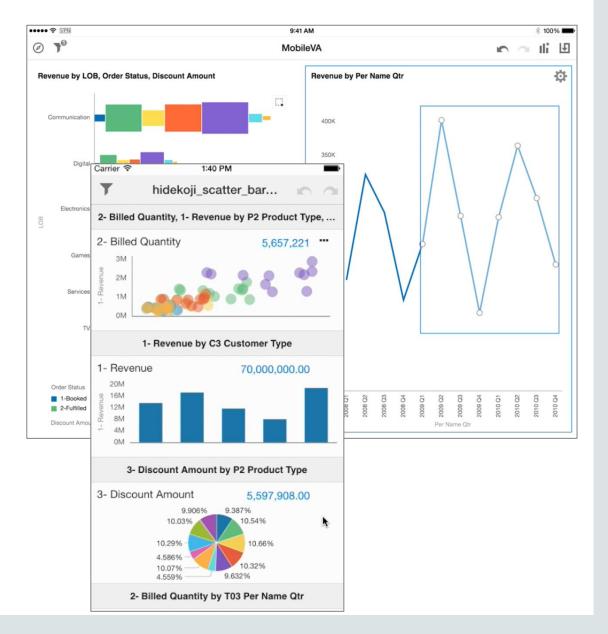
Personal - No Model



Enterprise & Modeled

Data Discovery on the Go

- Adaptive mobile design for selfservice analytics optimized for tablet and phone form factors
- Touch-friendly functionality for authoring new analytics on-thego
- Based on HTML5 works on any tablet device



Demo





Simplify Administration and Reduce TCO Motivation

- Oracle Cloud has the largest OBIEE deployment
 - 1000+ instances in cloud
- Customer feedback
- Foundation for new and upcoming capabilities
 - Data Visualization
 - Interoperability for hybrid cloud deployments
 - Future private cloud enhancements



Key Enhancements – Installation and Configuration

OBIEE Download Oracle BI download compared with 11g	50% smaller
Installation and Deployment Creation of OBI 12g domain, when compared to 11g on an Exalytics Server	25% faster
Scale-out install of OBIEE For high availability compared with 11g	30% fewer steps
Re-starts required for OBIEE configuration All system and application configuration can be done offline. 11g required 3 restarts	0
SSL Configuration Scripts available for SSL configuration	50% fewer steps
Scripts for Automation Scripts instance management, clone, diagnostics, import/export etc	12 new scripts



Key Enhancements – Operations

One Application = one file (BI Application Archive – BAR file)

Backup and Restore of Applications

One application = one file.

Test to Production

Copy one file to move from test to production

Clone Service Instance

Copy one file to clone an instance of an application

Move Service Instance

Move one file to clone an instance of an application

Upgrade

one file to upgrade to upgrade an application

file to rule them all

Includes RPD, Webcat, Security policies, & dependencies



Radically Simple and Robust Upgrade from 11g

 Move a single file from 11g to upgrade applications to 12c

- Automated testing via free Baseline Validation Tool
 - Works across 11g and 12c
 - Can be used for future 12c upgrades

Baseline Validation Tool

Data Verification

Compare results (actual numbers and text)

Visual Verification

Visually compare reports and dashboards

BI Catalog Verification

Compare catalog object metadata

Logical Query Verification

Capture system-generated logical SQL

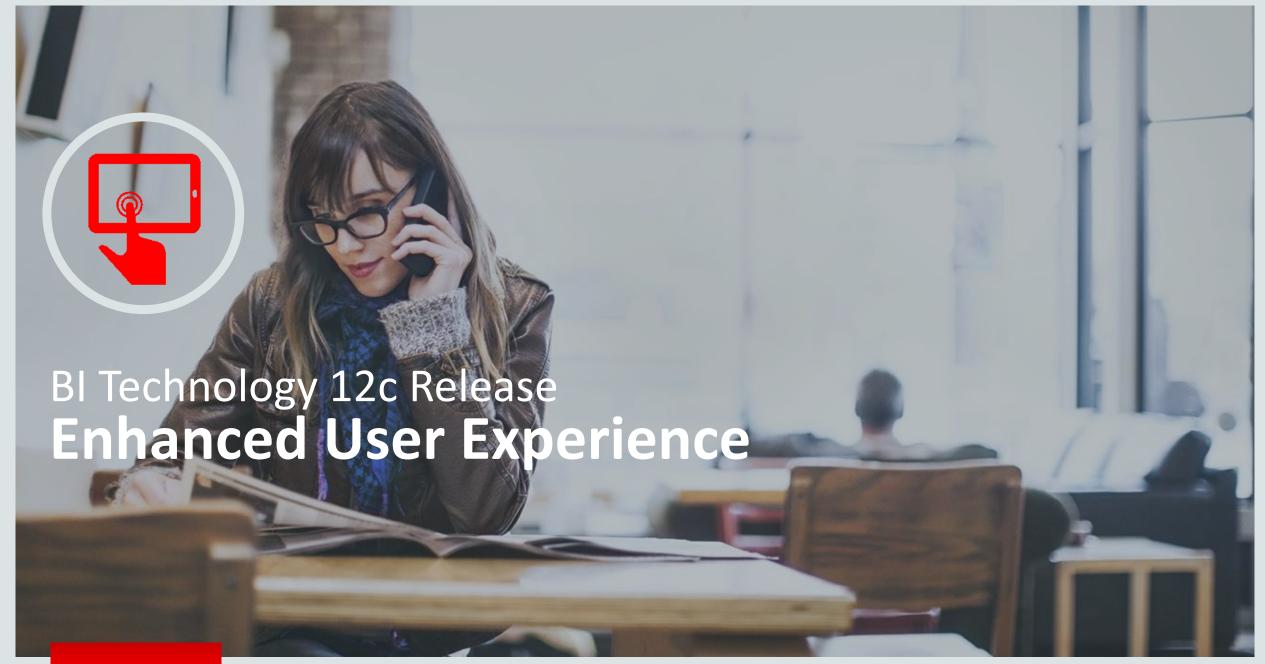


Single Release Stream for On-Premises and Cloud

Oracle 12c platform underpins all Oracle BI distributions

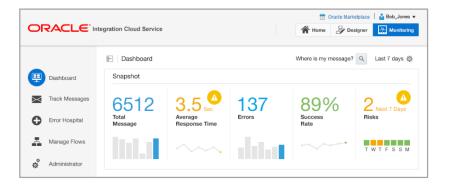
- Improves interoperability between products & releases
 - Oracle Cloud Service
 - Oracle BI Enterprise Edition
 - Oracle Fusion Applications
 - Oracle BI Applications
- New features available to all users more quickly regardless of product used
- Improved product quality and performance due to variety of use, expanded adoption, and additional testing

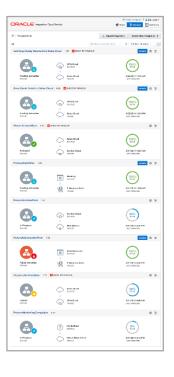


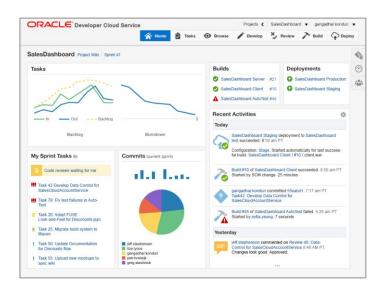


New Oracle Alta UI A modern application design system

- Focus on Data
- Minimal Chrome
- Browser and mobile support
- Clean page design
- Consistent across Oracle products cloud and on-Premises





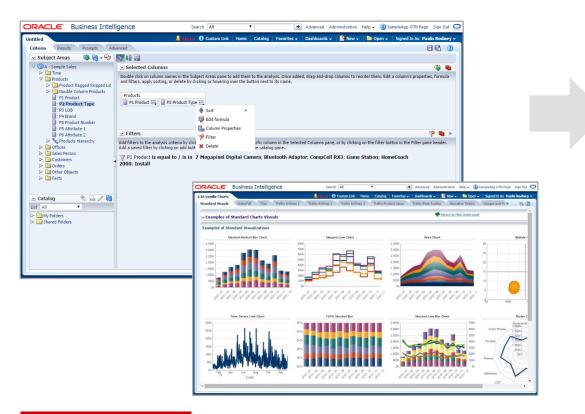


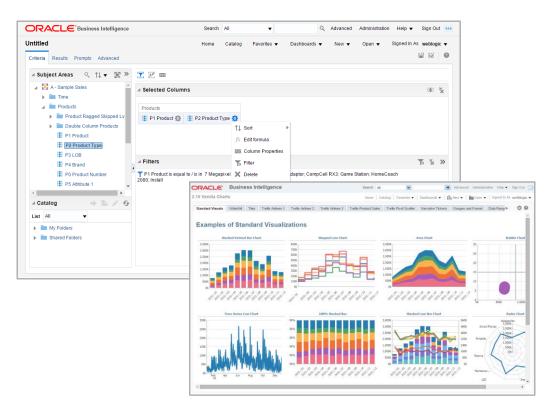




Improved Look and Feel for Answers and Dashboards

More visually appealing, better use of space, and easier to navigate

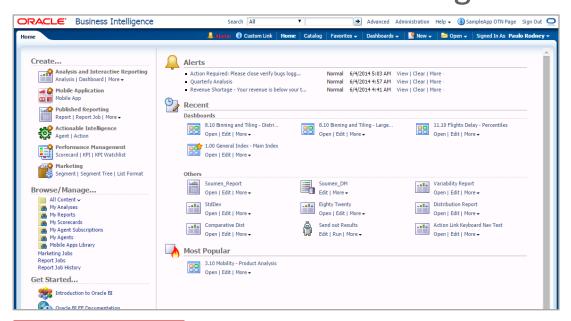


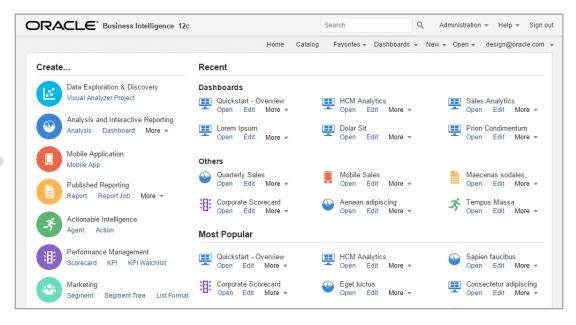




Refined "Classic" BI Home Page

- Makes better use of space and incorporates common Oracle 12c header
- Strikes a balance between new design patterns and providing a familiar environment for 11g users

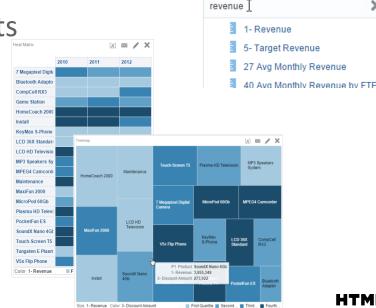






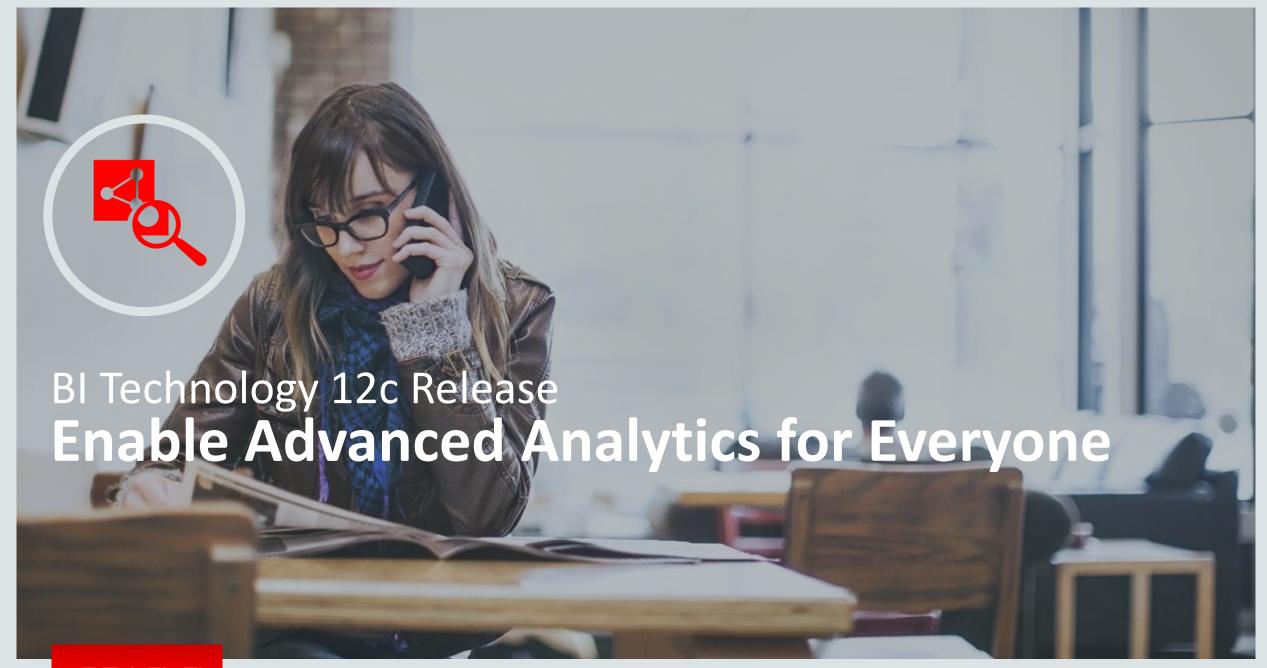
Many More Usability Improvements...

- Enhanced Subject Area pane
 - Search, reorder, refresh and reload metadata elements
- Improved view rendering
 - New Heat Matrix view type
 - HTML-5 graphics
- Direct interaction with results
 - Directly edit view properties
 - New Graph and Pivot Table Sorting Capabilities
 - Easily create New Groups, Calculated Items and Measures



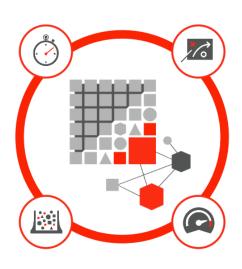
■ Subject Areas





New Advanced Analytics Capabilities

Built into Oracle BI



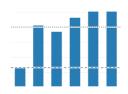
Instantly answer predictive and statistical questions

Add custom R scripts without heavy IT

Can be run online or batched mode

Pre-built Functions

All accessible via expression editor



Reference Line

How does the metric vary from average & median?



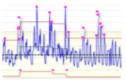
Clustering

What are the inherent groupings in data?



Trend Line

What direction are we headed in?



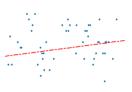
Outliers

What data elements stand apart from others?



Bin/Histogram

What buckets should I use to chart my data?



Regression Analysis

How are the various factors correlated?



Forecast

What is likely to happen based on history?



Easily Add New Functions Without heavy IT or RPD changes



Risk Analysis

(survival) What is the risk of default on a loan?



Root Cause Analysis

(survey) What caused a drop in product margin?



Google Analytics Integration

(RGoogleAnalytics) What's my web traffic forecast?



Sentiment Analysis

(NLP) Are customer comments positive?



Market Basket Analysis

(arules) What products sales are correlated?

And many more....

Choose from 100s of packages available for free or write custom R code to extend analytics





Oracle Mobile BI

Mobile HD and MAD Updates

- One App for Cloud and On-Premise
- Visual Analyzer on your mobile device
- Oracle Mobile Security Suite certification with continued updates
- Support rich sharing use cases with deep integration into native OS sharing frameworks





Mobile BI for iOS

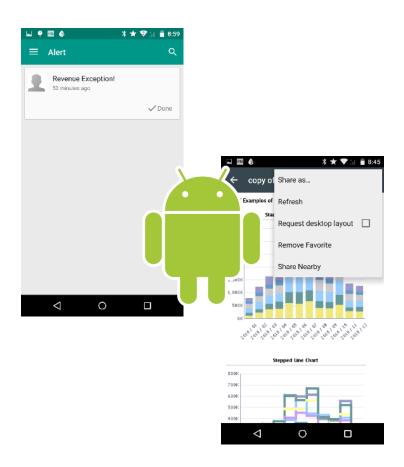
Fully Redesigned UI

- Native sharing with other apps
 - Oracle Social Network, Skitch, etc...
- Hand-off support provides seamless continuity from phone to tablet to Mac
- Spotlight Search integration
 - Find dashboard and reports directly from Apple search box
- Alerts as notifications
 - Includes Apple Watch



Mobile BI for Android

- Native app sharing (image)
- Share and Follow along with nearby devices
- Project dashboard and stories to any GoogleCast enabled device
 - Sony, Sharp & Phillips TVs as well as ChromeCast and Android TV devices
- Alerts as notifications
 - Including Android wear





More Data Sources ...

- EPM Data Sources
 - Full fidelity reporting
 - Single sign-on
- Cloudera Impala
 - Optimized Query Support
- Spark
 - Native Spark SQL generation
 - Caching on Spark









OBIEE 12c In-Memory Analytics



In-Memory Computing in OBIEE

Faster rollups, sorting, inmemory compression, etc.



In-Memory Databases Oracle DB and Essbase

Certified with Oracle 12c In-Memory Option, extensive In-memory enhancements in Essbase



Offloading computing to Spark

Spark as an in-memory cache for BI server (roadmap)



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