

ODTUG

Kscope15



HOLLYWOOD, FLORIDA  
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PLEASE FILL OUT YOUR EVALUATIONS



## **Voiding Your Warranty** The Planning Repository Exposed

Brian Marshall  
US-Analytics

**US-Analytics**



## AGENDA

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- Introduction
- Why do we need this?
- What does it do?
- Demo - Queries
- Technical Review and Support
- Q&A



## Introduction – US-Analytcs

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- Dallas-based Industry Leaders, Pioneers and Trustworthy for 13 years
- Focused on enterprise performance management applications
- Over 50 professionals dedicated to EPM and BI
- Oracle Platinum Partner and Oracle BI Pillar Partner
- Oracle's highest level of partnership
- Advanced degrees and certifications (CPAs, CMAs, MBAs)
- Seasoned Infrastructure practice: 400+ installations/migrations
- Unique blend of deep technical expertise and business acumen with hundreds of implementation cycles, driven towards a results-oriented, customer ROI
- Strong project leadership & proactive account management
- Corporate culture of integrity with 100% customer commitment
- Full Service Solution Provider



## Introduction – Brian Marshall

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- Practice Manager over Planning, Essbase, and DRM
- 15+ Years IT and EPM/BI Experience
- 12+ Years with US-Analytics
- 100+ Projects with US-Analytics
- Began career as a software and database developer at a small software firm.
- Developed specialization in Microsoft BI offerings.
- Focused on Oracle EPM, primarily Hyperion Essbase and Planning, with some HFM.
- Presented at Kaleidoscope 2010-2014 (and 2015) and various regional events



## Disclaimer

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- We will be connecting to the planning repository...some organizations may frown on this practice. ☹
- Queries have been updated to 11.1.2.3.500 and 11.1.2.4



## About the Demo

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- Classic Planning App - Vision
- Built on Hyperion Planning 11.1.2.3.500
- SQL Server 2008 R2 Based



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Why do we need this?





## **Application Management**

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- Meta-Data Extraction
- Migrations
- Meta-Data Cleansing
- Administrative Reporting
- Down-Stream Interfaces
- Fixing Planning Issues



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What does it do?



## Application Customization

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- Pre-built queries.
- SQL-Server based (can be converted with limited effort).
- **NOT SUPPORTED BY ORACLE!**



## **What's complete and included?**

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- Meta-data queries.
- Forms and security queries.
- Tasks lists queries.
- Supporting detail queries.
- Installation instructions.



## What's not included?

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- Oracle-based queries.
- SUPPORT!



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## Technical Review and Support



## Technical Review

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- Hyperion Planning Repository primer:
  - HSP\_OBJECT
  - HSP\_OBJECT\_TYPE
  - HSP\_DIMENSION
  - HSP\_MEMBER
  - HSP\_ACCESS\_CONTROL



## HSP\_OBJECT

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- All roads lead to the HSP\_OBJECT table.
- Contains virtually all objects ever created in Planning.
- Links to other tables for dimensions, members, forms, users, access control, and anything else you can think of.





## HSP\_OBJECT\_TYPE

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- Contains very basic information regarding what type each object is (Dimension, Form, etc...).
- So why is this table important?
- It doesn't contain all of the possible types!
  - Tasks Lists (24)
  - Planning Unit Hierarchies (39)
  - Planning Unit Selections (51)
  - Several others...



## HSP\_DIMENSION

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- Contains dimension specific information.
  - Density
  - Security
  - What plan types are used (bitmask!)
  - Dimension Type
- Links to HSP\_OBJECT.



## HSP\_MEMBER

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- Contains member specific information.
  - Data Storage
  - Two-Pass options
  - Consolidation Operator (by plan type)
  - Does it have a member formula (but not the formula!)
  - Data Type
- Requires other tables to be useful (attributes, formulas, UDA's, etc...).



## HSP\_ACCESS\_CONTROL

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- Contains all security information.
  - Object being secured.
  - Level of access
  - Type of access (or lack there-of)
- Makes heavy use of the HSP\_OBJECT table.
- Does not really use the HSP\_USER table.



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## Demo – Queries!

See the addendum in your handout.



## Installation Process

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- Basic queries included right now
- If you can access the Planning repository, you can use these queries
- SQL Server Only (Currently)



## Q&A

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My Blog:

<http://www.hyperionepm.com>

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