

# EPMA

## the Good, the Bad, and the Ugly

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HCG:

Based in Minneapolis, MN

Leading provider of consulting, training, and product sales, tools and custom tailored applications for Business Intelligence software

Specializing in Oracle Hyperion EPM



# Welcome

- Dale Torgerson
  - 25 plus years of experience in finance, both in government and the private sector
  - 9 years of experience in Planning and Essbase development & administration
- This presentation is intended for:
  - Current EPMA users
  - Potential EPMA users, those who are thinking about taking the leap
  - Those who want to know more about EPMA



# Introduction

- What is EPMA
  - Enterprise Performance Management Architect
  - Formerly BPMA and a.k.a. Performance Management Architect (PMA)
  - A set of new functions that support the following for both Planning and HFM:
    - Replaces the Classic Dimension Administration Function in Planning
    - Consolidates Calculation functions (both Scripts and Bus Rules)
    - Adds functions for Data Synchronization
- What's Good
  - Lots of things
- What's Bad
  - Some things
  - Manual Update
  - Interface
- And what's Ugly
  - A few things
  - Errors (deploy frequently, after every group of changes)
  - Flat File Load



# EPMA Components

- Dimension Library
- Application Library
- Data Synchronization
- Calculation Manager
- Application Upgrade
- Library Job Console



# Navigation Menu – Launching EPMA

*Navigate  
Menu*

The screenshot shows the Oracle Enterprise Performance Management System Workspace interface. The browser window title is "Oracle Enterprise Performance Management System Workspace, Fusion Edition - Windows Internet Explorer" and the address bar shows "http://epm11-demo:19000/workspace/index.jsp". The navigation menu is open, showing a tree view of the system's structure. The "Dimension Library" option is highlighted, and a mouse cursor is pointing at it. The main content area displays a table of reports.

Name	Type	Modified	Description
Monthly Sales Performance	Financial Reporting Report	7/23/10 10:39 AM	
	Financial Reporting Report	1/23/09 9:36 AM	
	Financial Reporting Report	1/23/09 9:36 AM	
	Financial Reporting Report	1/23/09 9:36 AM	
	Financial Reporting Report	1/23/09 9:36 AM	
	Financial Reporting Book	1/23/09 9:39 AM	

# Dimension Library (mostly good)

- Three Windows
  - Shared Library, Application, Property Window
- Create Applications Wizard (in Application Library too)
- The interface is a little sluggish and freezes sometimes (bad)
- Add, Delete, Modify, & Copy Dimensions
- Create Alias, UDAs, Smart Lists, DTS, & Attribute Dimensions
- Create Member Formulae
- Update/Create Dimensions with Flat File or Interface Table
- Share/Synchronize with multiple applications
- Easily create alternate hierarchies



# EPMA – Dimension Library

The screenshot displays the Oracle Enterprise Performance Management System Workspace interface. The browser window title is "Oracle Enterprise Performance Management System Workspace, Fusion Edition - Windows Internet Explorer" and the address bar shows "http://epm11-demo:19000/workspace/index.jsp". The interface is divided into three main panes:

- Shared Library:** A tree view showing a hierarchy of dimensions. The "HP\_Period" dimension is expanded to show its members: [Year], BegBalance, YearTotal, Q1 (with sub-members Jan, Feb, Mar), Q2, Q3, Q4, HP\_Scenario, HP\_Version, HP\_Year, HP\_Salesrep, and HP\_Customer\_Service\_Level.
- Hyplan:** A list of local dimensions including HP\_Account (Local), HP\_Alias (Local), HP\_Salesrep (Local), HP\_Currency (Local), HP\_Entity (Local), HP\_Customer (Local), Period (Local), HP\_Scenario (Local), Customer\_Service\_Level (Local), HP\_Version (Local), and HP\_Year (Local).
- Properties of HP\_Period:** A table showing the configuration for the HP\_Period dimension. The category is "Planning".

Property	Value	
Two Pass Calculation	<input type="checkbox"/>	?
Valid for Plan1	<input checked="" type="checkbox"/>	?
Valid for Plan2	<input checked="" type="checkbox"/>	?
Valid for Plan3	<input type="checkbox"/>	?
Valid for Wrkforce	<input type="checkbox"/>	?
Valid for Capex	<input type="checkbox"/>	?
Data Storage	NeverShare	?

The bottom of the browser window shows the Windows taskbar with the Start button, taskbar icons, and the system tray displaying the time as 1:06 PM.

# Application Library (mostly good)

- Create Application Wizard
  - Define Plan Types
  - Use existing Dimensions
  - Define custom Dimensions, including Attribute Dimensions
  - Configure mandatory Dimensions
- Validate Application
  - Verify rules
- Deploy Application Updates to BOTH Planning and Essbase
  - No refresh to Essbase any more (very good)



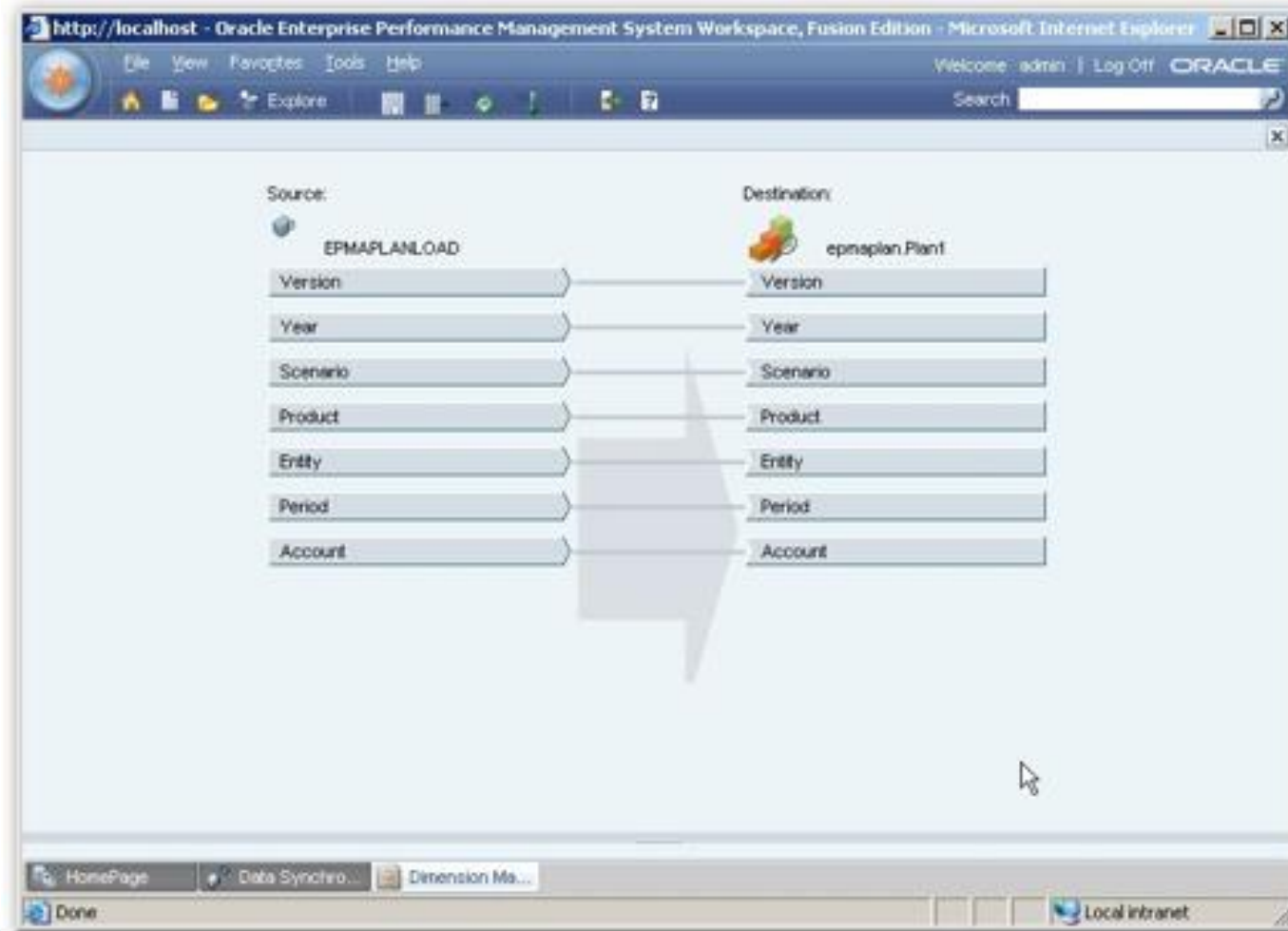


# Data Synchronization (mostly good)

- Used for Data Load, basic ETL functions
- Create & modify synchronizations
- Select source and destination applications/files for comparison
- Build mappings between sources and destinations
- Validate synchronizations
- Execute synchronizations
- View logs of synchronization activities



# Data Synchronization (mostly good)



# Calculation Manager (mostly good)

- Centralized Repository of Calcs
  - Business Rules
  - Calc Scripts
  - Sequences/Rule Sets
  - Run Time Prompts
- Graphic Editor (a little ugly), but has potential
- Mix of graphic, and code is allowed
- You can create reusable components
- Code view (without converting)
- Fully coded rules translate as is
- Conversion from Essbase as easy as Copy & Paste



# Calculation Manager (system view)

The screenshot displays the Oracle Enterprise Performance Management System Workspace interface, accessed via a remote desktop connection. The browser window shows the URL `http://epm11-demo:19000/workspace/index.jsp`. The interface includes a navigation pane on the left and a main table area.

**Navigation Pane:**

- Consolidation
- Planning
  - Hyplan
    - RuleSets
      - Hyplan Rules
        - Hyplan Copy and adjust data
        - Hyplan Calculate Expenses
      - Incstmt
        - Rules
          - Hyplan Calculate Expenses
          - Hyplan Copy and adjust data
          - Hyplan Copy and adjust data prompts
        - Formulas
          - Calculate Fringe Expense

- Scripts
- Templates
- Balsheet
- Essbase
- BigAvg
- BigCalc
- Bigcorp
- Demo
- DMDemo
- EdenGL
- EdenSale
- Profana
- Sampeast
- Sample
- Sample\_U

# Business Rule Designer

The screenshot displays the Oracle Business Rule Designer interface within a browser window. The browser title is "Oracle Enterprise Performance Management System Workspace, Fusion Edition - Windows Internet Explorer". The address bar shows the URL "http://epm11-demo:19000/workspace/index.jsp#". The interface includes a menu bar (File, Edit, View, Favorites, Tools, Help), a search bar, and a "Rule Palette" on the left with options like Formula, Script, Condition, Member Range, and Fixed Loop. The main workspace shows a "Rule Designer" diagram with a flow from "Begin" to "North American Entities", then to "NA Travel Expenses" and "NA Software Expenses", and finally to "End". Below the diagram is a "Script" editor with the following code:

```
0001 FIX (@Relative("YearTotal",0),"FY09","No Customer","Budget","Working","Local")
0002   FIX (@Relative("North America",0))
0003     "5240" {
0004       IF ("5240" == #missing and "6000" != #missing and "6010" != #missing)
0005         "5240" = "6000" * "6010";
0006       ELSEIF ("5240" != #missing and "6000" == #missing and "6010" != #missing)
0007         "6000" = "5240" / "6010";
0008       ELSEIF ("5240" != #missing and "6000" != #missing and "6010" == #missing)
0009         "6010" = "5240" / "6000";
0010     }
0011   ELSE
```

# Application Upgrade (mostly good)

- Transform Classic to EPM Architect
- Uses Wizard
- This is a one way trip, you can't go back
- Only do this if your ready to maintain EPMA
- I recommend doing in a Dev or Test environment before trying in Production



# Library Job Console (mostly good)

- Shows Job progress
- Shows Job history
- Shows Error Files (ugly)
  - The file is hard to open
  - The errors are hard to interpret
  - You never get less than 11 errors, unless it's zero. Ten errors appear if you have even a single error.

# Metadata Load Files (the Ugly)

- Modify or Create any Dimension
- Properties, Alias, Hierarchies
- Delimited Flat File or Interface Table
- Create Profile for each Load File
- Flat Files
  - Delimit with pipe “|” or comma
  - Each row can have different format
  - Extra Comma cause errors
  - The files can be thousands of lines long, and can't be done manually





# Load Flat Files (the Ugly up close)

!FILE\_FORMAT=ADS

!VERSION=7.0 090811 - Added new accounts and tailored accounts for Plan Types 2 & 3

!Section=Dimensions

'Name,DimensionClass,DimensionAlias,DimDataStorage,Plan1Density,Plan2Density,Plan3Density,WorkforceDensity,EnumOrder1,EnumOrder2,EnumOrder3,EnumOrderWF,DimValidForPlan1,DimValidForPlan2,DimValidForPlan3,DimValidForWorkforce,Plan1PerfOrder,Plan2PerfOrder,Plan3PerfOrder,WorkforcePerfOrder,MissingLabel,DisplayOrder,GridMissinglabeltype,AutoGenid,Smartlistlabel,

Measures,Account,Account,NeverShare,Dense,,,,,0,,,Y,,,,1,1,,,,,,,

!Section=DimensionAssociations

'BaseDimension,Property,TargetDimension

Measures,Alias,Alias

!Members=Measures

'Name,DataType,SourcePlanType,AccountType,VarianceReporting,TimeBalance,SmartList,UDA,TwoPassCalc,SkipValue,Description,WeeksDistributionMember,MemberFormula

Measures,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
DEPT\_STMT,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
Net Income,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
Net Income before taxes,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
Sales,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
Product Sales,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
System Sales Total,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,  
Intercompany System Sales,Currency,Plan1,Revenue,NonExpense,Flow,,,,,FALSE,



# Metadata Load Files (making them less Ugly)

- Maintain in Excel, and make text file with Save As command
- Use Commas as delimiter, easy to do with Excel
- Do only one Dimension at a time
- Start with ADS examples provided with installation
- Find a way to R&R commas in a way that will eliminate extras
- I use VB code with parameter file that deletes extra groups of commas from large to small groups.

```
cscript replace.vbs "Measures_Dim.ads" "~,,,,,,,,,,,,," "~,,,,,"
cscript replace.vbs "Measures_Dim.ads" "-,,,,,,,,,,,,," "-,,,,,"
cscript replace.vbs "Measures_Dim.ads" "+,,,,,,,,,,,,," "+,,,,,"
cscript replace.vbs "Measures_Dim.ads" ",,,,,,,,,,,,," ""
cscript replace.vbs "Measures_Dim.ads" ",,,,,,,,,,,,," ""
cscript replace.vbs "Measures_Dim.ads" ",,,,,,,,,,,,," ""
cscript replace.vbs "Measures_Dim.ads" ",,,,,,,,,,,,," ""
```



# Conclusion

- The Good
  - anything that makes my life easier and EPMA does that
- The Bad
  - Issues that make it hard to make my life easier, and EPMA has some of those but I can live with them.
- The Ugly
  - Things that are difficult and that I'm always looking to fix or avoid; and I found out how to do that with Flat File loads
- Documentation
  - Always a “good” thing, there is an EPMA Admin Guide at this location
  - [http://docs.oracle.com/cd/E17236\\_01/epm.1112/epma\\_admin.pdf](http://docs.oracle.com/cd/E17236_01/epm.1112/epma_admin.pdf)



# HCG Company Overview

## *Oracle BI/EPM Specialists*

### Consulting

- Oracle Certified Gold Partner
- Oracle BI and EPM
- Oracle BI Enterprise Edition Plus
- Custom tailored applications

### Education

- Oracle Approved Education Center – Phoenix, AZ and St. Louis Park, MN
- Custom Training Solutions
- Onsite Training
- Live Virtual Training
- Self-Study Training
- Mentoring

### Support and Development

- Oracle BI and EPM support
- System Health Check
- Essbase Add-Ons
- Custom tailored applications



# Follow Up

- Questions
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  - YouTube: <http://www.youtube.com/hcguniversity>

