

# Hyperion Focus 2015

## FDMEE 11.1.2.4 What's New

Guy Rogers  
Keyteach



## **FDMEE 11.1.2.4 What's New**

Tutor: Guy Rogers

# Keyteach Overview

- Keyteach is the leading provider of Oracle Hyperion EPM education and training services to global organisations
- Established in 2008 by the former European Hyperion team (which specialised in custom training solutions)
- Over 350 customers and 23,000 Oracle Hyperion Hyperion users who depend on Keyteach-developed custom content for their application training needs
  - Standard Courses
  - On-site courses
  - Custom courses
  - Instructor-led virtual classroom
  - Hosted self-paced E-Learning
  - Assessment and certification
  - Quick Reference Cards
  - Hosting of training environments





## Session Overview

# Session Overview

- FDMEE Overview
- Understanding what's new in 11.1.2.4
- Data Synchronisation
  - HFM Source to HFM Target
  - HFM Source to Essbase Target
- Import Format Builder
- Fix Mapping Feature
- POV Locking by Location
- Excel Integration Component
- What's in the Pipeline for 11.1.2.4.100



# FDMEE Overview



# FDMEE - What is it?

- FDMEE is Oracle Hyperion **F**inancial **D**ata **M**anagement **E**nterprise **E**dition
- FDMEE is a data integration tool that helps transform data and metadata from a variety of sources into a consumable format for Hyperion products like HFM, Planning and Essbase.
- It allows you to apply mapping logic through a friendly user interface, and manage the data load process via a web console in Hyperion Workspace



# FDMEE – Product History

- FDMEE represents a best of breed combination of FDM Classic (formerly Upstream Weblink) and ERPi
  - ERP Integrator was released in 11.1.1.3 (2009)
  - FDMEE released in 11.1.2.3 (2013)
- FDM Classic (formerly known in full as FDQM) is not available in 11.1.2.4



# FDMEE – What Can it Do?

- FDMEE leverages the **64-bit** architecture seen in products like ERP Integrator (ERPi)
- This move to a 64-bit architecture has brought noted **stability and scalability** when it comes to implementing the tool
- FDMEE **integrates directly** with source systems and target applications
- FDMEE interfaces directly with EBS, JD Edwards, SAP, flat files, and the **open interface table** – a custom source system that lets FDMEE receive data from a data warehouse, an Operational Data Store (ODS), or other custom sources



# FDMEE – What More Can it Do?

- FDMEE lets you source **metadata** and **data** from a source system and load it into target applications.
  - Reporting and planning systems can be paired with metadata sourced on a regular basis from a general ledger. This allows you to add new accounts, entities, departments, etc. **on the fly**
- **Write-back** functionality allows data to be bi-directional. For example Planning data can be written back to EBS
- Users can **start** in a retrieve form, a web form, or a report and **drill back to FDMEE** to see source records, mapping logic and process times
- Users can continue on and **drill all the way back into a source system**, such as EBS, to review individual transactions and see the detail



# Source System Integration

Source	Version	Data	Metadata	Drill-Through	Write-back
EBS Financials	11i/12x	Yes	Yes	Yes	Yes
Peoplesoft Fin Peoplesoft HCM	9.X	Yes For PSPB	Yes For PSPB	Yes No	Yes No HCM data
Fusion Financials	11.1.X	Yes	Yes	Yes	Yes
JD Edwards Fin	9.0, 9.1 Tools 9.1.x	Yes	No	Yes	No
SAP Financials SAP BW	4.6c,4.7, ECC 6 7.0+	Yes	No In 11.1.2.4+	Yes	No

# FDMEE 11.1.2.4 - Features Summary



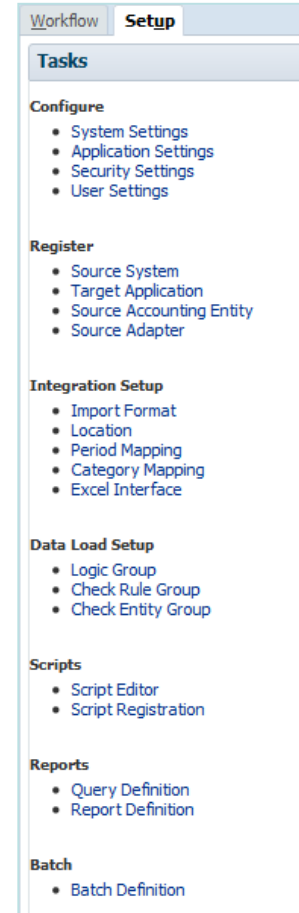
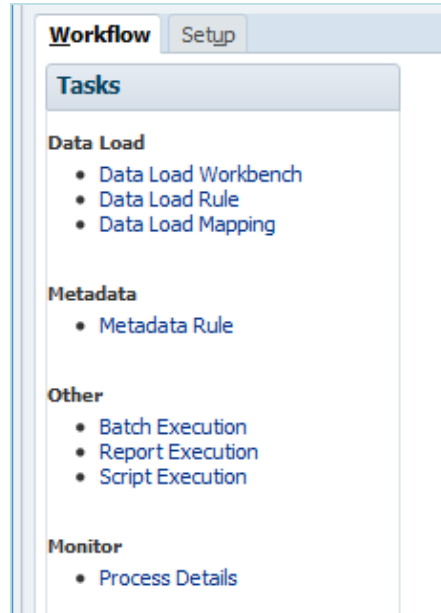
- **New Features**
  - GUI Improvements (New Skyros skin)
  - Data Synchronisation
  - Expanded Integration Capabilities
  - Mapping Import
  - Excel Interface
- **Parity Features**
  - Import Format Builder
  - Fix Mapping Errors in Workflow process
  - POV Locking
  - Adaptor Target Options “Copies”

# GUI Improvements



# FDMEE 11.1.2.4 - GUI Improvements

- Improved logical design of the tasks available on Workflow and Setup tabs



# FDMEE 11.1.2.4 - GUI Improvements

- Record counts

The screenshot displays the 'Workflow' tab in the 'Setup' section, with sub-tabs for 'Import', 'Validate', 'Export', and 'Check'. Below this is the 'Load Data' section, which includes a 'Validation Errors' sub-tab and a toolbar with options like 'View', 'Format', 'Show', 'Download Template', 'Load Journal', and various icons for actions like 'Freeze', 'Detach', and 'Wrap'. The main area is a data table with the following columns: Source-Entity, Entity, Source-Account, Account, Source-ICP, ICP, and Source-Custor. The table contains 21 rows of data, each representing a different center and account combination. At the bottom of the table, a status bar shows 'Columns Hidden 21' and a red-bordered box containing the text 'Total Number Of Records : 173'. Below the table, the location is set to 'Texas', the period to 'January - 2014', the category to 'FDM\_ACTUAL', the rule to 'TX\_DLR1', the source to 'File', and the target to 'KTDEMO'.

Source-Entity	Entity	Source-Account	Account	Source-ICP	ICP	Source-Custor
Center	TEXAS	1100	PL 111100	1100	[ICP None]	
Center	TEXAS	1100-101-000-00	PL 111100	1100-101-000-00	[ICP None]	000
Center	TEXAS	1100-102	PL 111100	1100-102	[ICP None]	
Center	TEXAS	1100-103	PL 111100	1100-103	[ICP None]	
Center	TEXAS	1100-104		1100-104	[ICP None]	
Center	TEXAS	1190	PL 111210	1190	[ICP None]	
Center	TEXAS	1190-101	PL 111210	1190-101	[ICP None]	
Center	TEXAS	1190-102	PL 111210	1190-102	[ICP None]	
Center	TEXAS	1210		1210	[ICP None]	
Center	TEXAS	1220		1220	[ICP None]	
Center	TEXAS	1221	PL 111210	1221	[ICP None]	
Center	TEXAS	1221-101	PL 111210	1221-101	[ICP None]	
Center	TEXAS	1221-102	PL 111210	1221-102	[ICP None]	
Center	TEXAS	1221-103	PL 111210	1221-103	[ICP None]	
Center	TEXAS	1221-104	PL 111210	1221-104	[ICP None]	
Center	TEXAS	1290	PL 111210	1290	[ICP None]	
Center	TEXAS	1290-101	PL 111210	1290-101	[ICP None]	
Center	TEXAS	1299	PL 111100	1299	[ICP None]	

# FDMEE 11.1.2.4 - GUI Improvements

- Localisation of FDMEE Reports
  - System | Application | User Settings

**Balance des comptes - Par compte cible**

**Emplacement :** EBS  
**Catégorie :** Actual  
**Période :** 2011-01-31  
**Devise :** [NONE]

**Convention de signe de comptabilité**

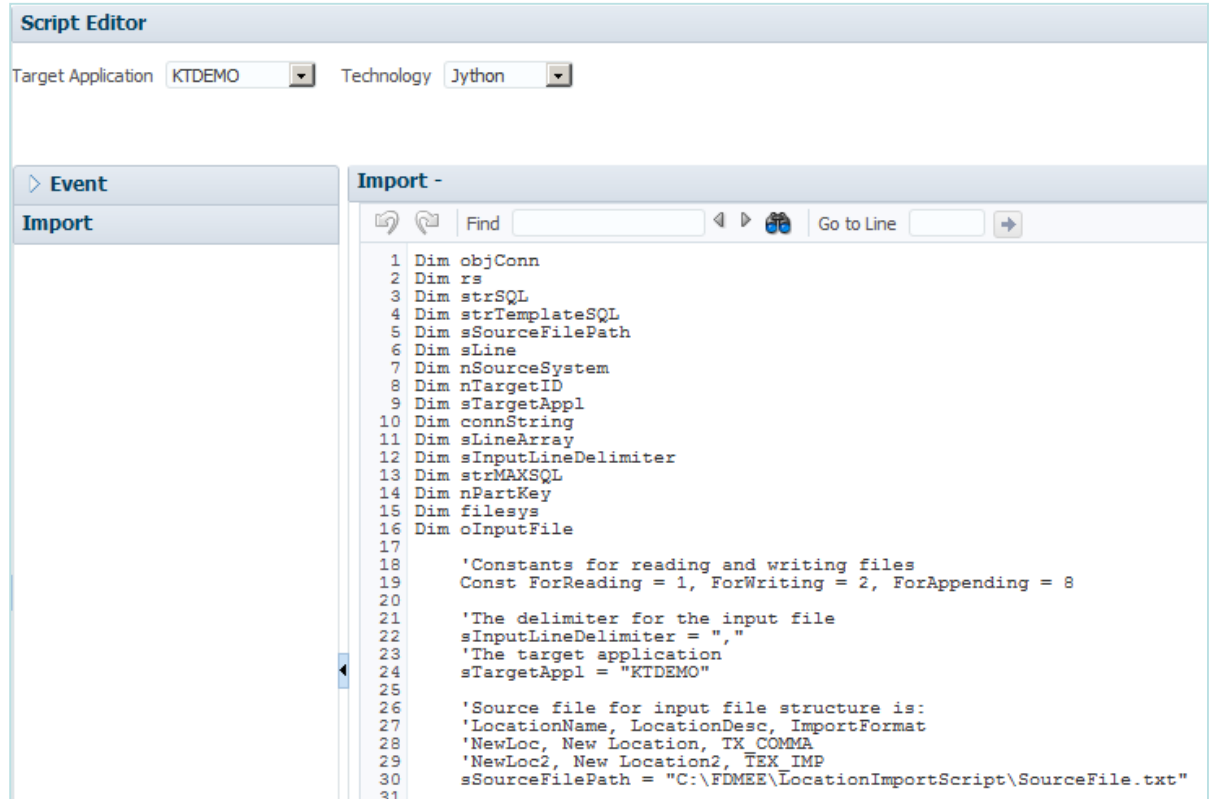
ALL

Compte de comptabilité	Centre de comptabilité	Description du compte de comptabilité	Montant
1110	01	Cash	1,594,679,280.18
1110	01	Cash	687.37
1110	01	Cash	1,055.11
1130	01	Short Term Investments	7,010,144.30



# FDMEE 11.1.2.4 - GUI Improvements

- Improved Script Editor
  - Search and Replace
  - Line Numbers displayed
  - Save prompting



The screenshot displays the 'Script Editor' window. At the top, there are dropdown menus for 'Target Application' (set to 'KTDEMO') and 'Technology' (set to 'Jython'). Below these, there are two panes. The left pane is titled 'Event' and contains an 'Import' sub-pane. The right pane is titled 'Import -' and contains a search bar with a 'Find' button and a 'Go to Line' field. The main area of the right pane displays a script with line numbers from 1 to 31. The script content is as follows:

```
1 Dim objConn
2 Dim rs
3 Dim strSQL
4 Dim strTemplateSQL
5 Dim sSourceFilePath
6 Dim sLine
7 Dim nSourceSystem
8 Dim nTargetID
9 Dim sTargetAppl
10 Dim connString
11 Dim sLineArray
12 Dim sInputLineDelimiter
13 Dim strMAXSQL
14 Dim nPartKey
15 Dim filesys
16 Dim oInputFile
17
18 'Constants for reading and writing files
19 Const ForReading = 1, ForWriting = 2, ForAppending = 8
20
21 'The delimiter for the input file
22 sInputLineDelimiter = ","
23 'The target application
24 sTargetAppl = "KTDEMO"
25
26 'Source file for input file structure is:
27 'LocationName, LocationDesc, ImportFormat
28 'NewLoc, New Location, TX COMMA
29 'NewLoc2, New Location2, TEX_IMP
30 sSourceFilePath = "C:\FDMEE\LocationImportScript\SourceFile.txt"
31
```



# FDMEE Target Setup Demonstration

# FDMEE Target Setup Workshop

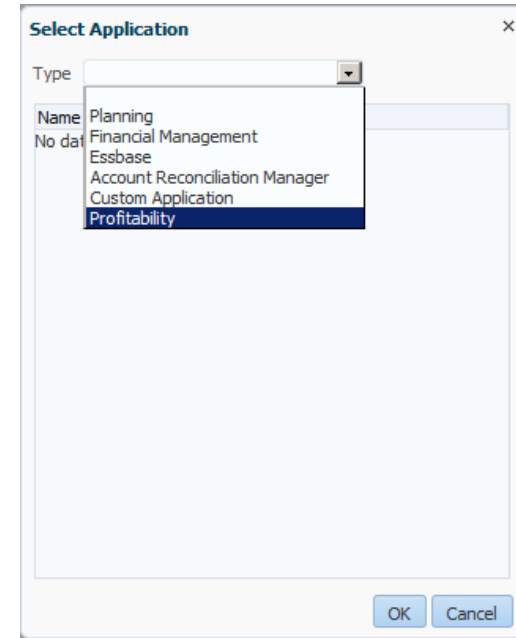


# Data Synchronisation



# FDMEE 11.1.2.4 – Data Synch

- By far the most anticipated feature of the release
- Move data between EPM applications with ease
  - HFM to HFM
  - HFM to Planning/Essbase
  - Planning/Essbase to HPCM
- No need to create flat files and load via FDMEE or Essbase data load rule
- No HSF type (planned in 11.1.2.4.100)



# FDMEE 11.1.2.4 – Data Synch

- **Import Format** now used to build the association between source and target

### KTDEMO\_TRAIN: Details

Name:  Description:

Source Type:  Target Type:

\* Source:  \* Target:

Drill URL:

### KTDEMO\_TRAIN: Mappings

View

Source Column	Expression	Add Expression	Target
<input type="text" value="Account"/>	<input type="text"/>	<input type="text" value=""/>	Account
<input type="text" value="Amount"/>	<input type="text" value="Factor=.001"/>	<input type="text" value=""/>	Amount
<input type="text" value="Custom1"/>	<input type="text"/>	<input type="text" value=""/>	Custom1
<input type="text" value="Custom2"/>	<input type="text"/>	<input type="text" value=""/>	Custom2
<input type="text" value="Custom3"/>	<input type="text"/>	<input type="text" value=""/>	Custom3
<input type="text" value="Custom4"/>	<input type="text"/>	<input type="text" value=""/>	Custom4
<input type="text" value="Entity"/>	<input type="text"/>	<input type="text" value=""/>	Entity
<input type="text" value="ICP"/>	<input type="text"/>	<input type="text" value=""/>	ICP

# FDMEE 11.1.2.4 – Data Synchronisation

- **Data Load Rule** used to extract filters
- Member Lists can be used
- Source and Target Options can be set
- Can be Executed from Data Load Rule
- Or as Workflow process

The screenshot displays the 'Data Load Rule' configuration window, organized into several sections:

- Data Rule Summary:** Includes a toolbar with 'Add', 'Delete', 'Refresh', 'Show', and 'Detach' icons. Action buttons for 'Execute', 'Schedule', and 'Cancel Schedule' are also present. A table lists the rule details:

Status	Name	Category	Description
	KTDEMO_Rul	FDM_ACTUAL	

- Details:** Fields for 'Name' (KTDEMO\_Rul), 'Description', '\* Category' (FDM\_ACTUAL), and '\* Period Mapping Type' (Default).
- Source Options:** A tabbed interface with 'Source Filters', 'Target Options', and 'Custom Options' tabs.
- Source Filters:** A table for defining filter conditions:

Dimension Name	Filter Condition	Select
Account	{ProfitAndLoss.[Base]}	...
Custom1	{AllProducts.[Base]}	...
ICP	"[ICP None]"	...

- Source Parameters:** A table for setting extraction parameters:

Property Name	Value	Select
Extract Type	Data	
Extract Dynamic Account	No	
Extract Calculated Data	No	
Extract Derived Data	No	



# HFM Source to HFM Target Demonstration



# HFM Source to HFM Target Workshop

# Expanded Integration Capabilities



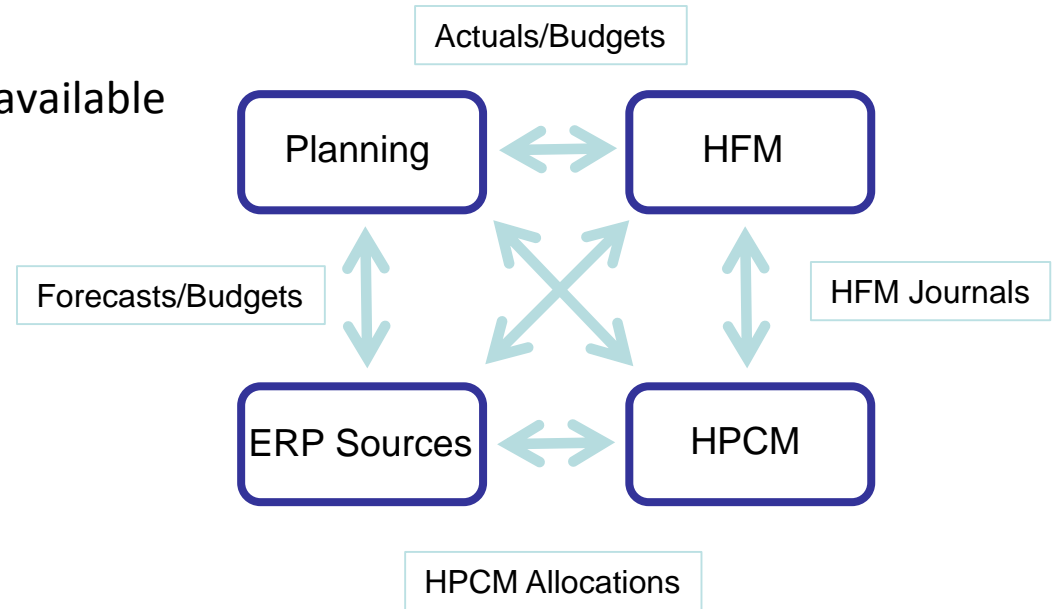
# Expanded Integration Capabilities

- Additional Targets
  - Hyperion Profitability & Cost Management (HPCM)
  - Hyperion Tax Provisioning (HTP)
- Financial Close Management (FCM) Integration
- Exalytics Support
- Improved Performance specifically around
  - Oracle E-Business Suite (EBS)
  - PeopleSoft




# FDMEE 11.1.2.4 – Data Synchronisation

- Enables data movement within the EPM Product Set & Source Systems
- Write-back functionality is also available
- Source Systems include;
  - Oracle E-Business Suite
  - PeopleSoft
  - Fusion Financials



# FDMEE 11.1.2.4 – Data Synch

- Can be Executed from Data Load Rule
- Drill into Process detail to analyse errors

Process Step	
View ▾	 Detach
Status	Process Step
✓	Extract data from Financial Management application KTDEMO
✓	Import data from file KTDEMO_277.dat for Period January - 2014
✓	Transform and stage balance data to export for period January - 2014

# FDMEE 11.1.2.4 – Data Synchronisation

- Can use the normal Workflow process

The screenshot displays the Oracle Data Integrator (ODI) interface. On the left, a navigation pane shows the 'Tasks' section with sub-items: 'Data Load' (Data Load Workbench, Data Load Rule, Data Load Mapping), 'Metadata' (Metadata Rule), 'Other' (Batch Execution, Report Execution, Script Execution), and 'Monitor' (Process Details). The main workspace is titled 'Load Data' and shows a table with columns: Source-Entity, Entity, Source-Account, Account, Source-ICP, and ICP. The table is currently empty, displaying 'No data to display.' A dialog box titled 'Execution Mode Option' is open in the foreground, featuring two dropdown menus: 'Import Mode' set to 'Replace' and 'Execution Mode' set to 'Online'. The dialog also includes 'OK' and 'Cancel' buttons.



# HFM to HFM Execute & Test Demonstration



# HFM to HFM Execute & Test Workshop

# Mapping Import



# Mapping Import

Method	Interface	Number of Dimensions	Number of Locations	Validation	Load Method
Flat File	GUI – Data Load Mapping	1+	1	Yes	Merge/Replace
Excel	GUI – Data Load Mapping	1	1	Yes	Merge/Replace
Excel	GUI – Excel Interface (NEW)	1+	1+	No	Append
Flat File	Command Line (NEW)	1	1	Yes	Merge/Replace





## Fix Mappings

# New – Fix Maps

- Mapping errors can be corrected as part of the workflow

Import Validate Export Check

Load Data **Validation Errors**

View **Fix Maps** Detach

Dimension Name	Source Value	Description
Account	1100-104	First National Bank
Account	1210	Trade Receivables
Account	1220	Tooling & Prototype Rec
Account	1940-106	Ohio

Columns Hidden Total Number Of Records : 4

**Details**

View Detach

Source-Entity	Entity	Source-Account	Account	Source-ICP	ICP	Source-Custom1	Custom1	Source-Custom2
Center	TEXAS	1100-104		1100-104	[ICP None]		LAPTOPS	

Total Number Of Records : 1



# New – Fix Maps

- Identifies missing maps for a single dimension
- Iterations needed to capture mapping errors for all dimensions

**Fix Maps**

**Data Load Mapping**

Dimensions **Account** Data Table Column ACCOUNT

All Mappings **Explicit** Between In Multi Dimension Like

View **+**Add **×**Delete Detach Validate Refresh Values

Source Value	Target Value	Change Sign	Description
1100	PL 111100	<input type="checkbox"/>	
1100-101-000-00	PL 111100	<input type="checkbox"/>	
1100-102	PL 111100	<input type="checkbox"/>	
1100-103	PL 111100	<input type="checkbox"/>	
1299	PL 111100	<input type="checkbox"/>	

# POV Locking



# POV Lock for All Locations

- Locking all locations for a specific target is now available in Application Settings
- Script based locking also available

The screenshot shows the 'Application Settings' dialog box. At the top, there are 'Save' and 'Cancel' buttons. Below that, a dropdown menu for '\* Target Application' is set to 'KTDEMO'. The 'Settings' section contains several buttons: 'View', 'Detach', 'Create Application Folders', 'Lock All Locations', and 'Unlock All Locations'. A table lists various settings with their values and a 'Select' column containing magnifying glass icons. A modal window titled 'Lock POV for All Locations' is overlaid on the table, containing two input fields: 'Period' (empty) and 'Category' (containing 'FDM\_ACTUAL'), with 'OK' and 'Cancel' buttons at the bottom.

Option	Value	Select
Application Root Folder	C:\FDMEE_APPS\KTDEMO	
File Character Set		🔍
Default POV Location		🔍
Default POV Period		🔍
Default POV Category		🔍
Global POV Mode		🔍
User Language		🔍
Default Check Report		🔍
Default Intersection Report	Intersection Check Report Dynamic Columns	🔍
Enable Event Script Execution		🔍
Log Level		
Check Report Precision		
Display Data Export Option "Override All Data"		🔍



# POV Lock for Individual Locations

- Locking individual locations available on the POV

Select Point of View

\* Location  🔍

Period  🔍

Category  🔍

Rule  🔍

Set as Default

Lock POV

OK Cancel



# HFM Source to Essbase Target Demonstration



# HFM Source to Essbase Target Workshop














# Import Format Builder

# Import Format Builder

- **Build Format** button is back and improved from FDM Classic
- Can be used for delimited or fixed width files

▲ TEX\_IMP: Mappings

View ▾  Detach **Build Format** Add ▾  Delete

Source Column	Start	Length	Expression	Add Expression	Target
	1	15			Account
	90	17	Sign=,CR;NZP		Amount
	10	3			Custom1
	14	2			Custom2
	1	1	[None]		Custom3
	1	1	[None]		Custom4
	18	24			Description 1
	1	1	Center		Entity
	1	15			ICP

# Build Format

- More intuitive interface within current window
- Option to assign selected text as Source Dimension Name

**Import Format Builder**

1100	Cash In Bank	283,767.29	135,722.75cr	48,044.64
1100-101-000-00	Dallas National Bank	2,000.00	.00	2,000.00
1100-102	Houston Bank One	9,986.39	3,330.39cr	6,656.00
1100-103	Midland Bank & Trust		110,000.00	110,000.00
1100-104	First National Bank	50,000.00	60,000.00	10,000.00cr
1190	Petty Cash	500.00	.00	500.00
1190-101	Sales	200.00	.00	200.00
1190-102	Accounting	500.00	.00	500.00
1210	Trade Receivables	158,857.30	6,113,348.12	6,272,205.42
1220	Tooling & Prototype Rec	71,087.28	71,087.28cr	.00
1221	Other Non-Trade Rec	.00	339,000.00	339,000.00
1300	Intercompany Receivable			
1300-101	Welsbaden	2,103,306.60	172,777.21	2,276,083.81
1300-102	Berlin	3,117,032.84	9,515,213.93	12,632,246.77

Highlight text from the above panel and assign the dimension below to set the column width

\* Assign selected text as Source Dimension Name

**Add New Mapping**

Source Column	Start	Length	Target
ProductCode	10	3	Custom1
GL Account	1	17	Account





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# Excel Interface Component

# Excel Interface – Download

- Integration Setup | Excel Interface
- Any table can be downloaded to Excel

### Excel Interface

#### Download To Excel

\* Entity Type

\* File

Table Name

#### Upload From Excel

\* File

#### Status

Table name: TPOVPARTITION  
Columns: [PARTITIONKEY, PARTNAME, PARTDESC, PARTNOTES, PARTLASTIMPFILE, PARTLASTEXPFIL, PARTIMPGRP, PARTLOGICGRP, PARTVALGRP, PARTVALENTGRP, PARTCURRENCYKEY, PARTPARENT, PARTTYPE, PARTSEQMAP, PARTDATAVALUE, PARTSEGMENTKEY, PARTCONTROLSTYPE, PARTCONTROLSGROUP1, PARTCONTROLSGROUP2, PARTCONTROLSAPPROVER, PARTCONTROLSAPPROVERPROXY, PARTCONTROLSREDFLAGLEVEL, PARTCLGICGRP, PARTINTGCONF1, PARTINTGCONF2, PARTINTGCONF3, PARTINTGCONF4, PARTADAPTOR, PARTSOURCESYSTEMID, PARTSOUR.CELEDGERID, PARTTARGETAPPLICATIONID, PARTPARENTKEY, PARTSOUR.CEAPPLICATIONID, PARTTARGETSOURCESYSTEMID]  
Retrieving and writing data to file  
Download data complete  
File exported successfully.



# Excel Interface Upload

- Can build FDMEE metadata
- Use with caution - no validation of tables/dependencies
- Uses Insert only; existing database rows are not deleted or modified

### Excel Interface

**Download To Excel** Download

\* Entity Type  Table Name

\* File  Select

**Upload From Excel** Upload

\* File  Select

**Status** Clear

Uploading data  
Processing named range: upsTPOVPARTITION  
Table name: TPOVPARTITION  
Columns: [PARTITIONKEY, PARTNAME, PARTDESC, PARTNOTES, PARTLASTIMPFIELD, PARTLASTEXPFIELD, PARTIMPGROUP, PARTLOGICGROUP, PARTVALGROUP, PARTVALENTGROUP, PARTCURRENCYKEY, PARTPARENT, PARTTYPE, PARTSEQMAP, PARTDATAVALUE, PARTSEGMENTKEY, PARTCONTROLSGROUP1, PARTCONTROLSTYPE, PARTCONTROLSAPPROVER, PARTCONTROLSGROUP2, PARTCONTROLSREDFLAGLEVEL, PARTCONTROLSAPPROVERPROXY, PARTINTGCONFIG1, PARTCLOGICGROUP, PARTINTGCONFIG3, PARTINTGCONFIG2, PARTADAPTOR, PARTINTGCONFIG4, PARTSOURCELEDGERID, PARTSOURCESYSTEMID, PARTPARENTKEY, PARTTARGETAPPLICATIONID, PARTSOURCEAPPLICATIONID, PARTTARGETSOURCESYSTEMID]  
Key columns: [PARTITIONKEY]  
Total rows processed: 3  
Upload data complete  
File imported successfully.





# Adaptor Target Options “Copies”

# Adaptor “Copies”

- Data load rules provide target options that can vary from Target Application options
- Derived from the FDM Classic approach which required a copy of the adaptor (Workbench) to be created to modify integration options
- Options that vary from the Target Application options are highlighted in yellow automatically by FDMEE

**Data Load Rule**

**Data Rule Summary**

View Add Delete Refresh Show Detach Execute Schedule Cancel Schedule

Status	Name	Category	Description
	KTDEMO_Rul	FDM_ACTUAL	

**Details**

Name: KTDEMO\_Rul Description:

\* Category: FDM\_ACTUAL Target Plan Type:

\* Period Mapping Type: Default

Source Options **Target Options** Custom Options

View Detach

Property Name	Value	
Check Intersection	No	
Load Line Item Detail	No	
Line Item Detail Load Type	Load Detail	
Enable Data Load	Yes	
Load Process	Load	
Load Method	Replace By Security	
Accumulate in File	Yes	
Has Ownership	No	
Enable Data Protection	No	
Protection Value	00000	
Protection Operator	=	
Enable Journal Load	No	



**Coming Soon 11.1.2.4.100**

# Coming Soon

- Migration Utility
- Generic table adaptor
- Strategic Finance (HSF) adaptor



# Migration Utility

Included	Not Included
Import	Scripts
Location	Reports
Mapping	Audit Information (tDataArchive)
Check Rules	Memo Items
Check Groups	Security
Logic Groups	
Period & Category Mapping	
Historical Data & Mapping History (tdatamapseg)	
Process Information (Fish Status)	



# On-Prem vs FDMEE for PBCS

	FDMEE	FDMEE for PBCS
Scripting	Yes	No
Launch Essbase Calc Script	Yes	No
Direct ERP connection for on-premise	Yes	No, file based only*
Custom Reports	Yes	Only able to run pre-seeded reports
Automated Write-back for on-premise	Yes	No, file based only*
Open Interface Adapter	Yes	No
Drill-through via URL	Yes	Yes
Batch reports, batch scripts	Yes	No. Use EPMCopy and EPMAutomate

\* Enhanced Fusion GL Cloud to PBCS integration provided in 11.1.2.3.604. Enhanced connectivity between PBCS and source systems high priority enhancement.

# Suggested Next Steps

- Upgrade considerations need discussing with implementation partner
  - Use current 11.1.2.4 and redesign/rebuild ?
  - Wait and utilise Migration Utility in 11.1.2.4.100 'As is'?
  - Either way scripting may need re-writing
- 
- Learn more about FDMEE
    - FDMEE Administrator (2 days)
    - FDMEE Migration from Classic FDM (1 day)
    - FDMEE Scripting Foundation E-Learning (10 hours)





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# Thank you!

