



MINDSTREAM[®]
ANALYTICS

Customer Experience Implementing **FDM Classic v FDMEE**

Jessica Gulliver

Design Lead, Consolidations & Reporting, MindStream Analytics



About Me

- Jessica Gulliver
- Design Lead, Consolidations & Reporting at Mindstream Analytics
- 12+ HFM Implementations
- BA in Accounting



FDMEE Overview

- Financial Data Quality Management, Enterprise Edition (FDMEE) is the combination of FDM Classic and ERP Integrator (ERP*i*)
 - FDM Classic released in 2000
 - ERP*i* introduced with version 11.1.1.3
 - FDMEE 11.1.2.3 released Q2 2013
 - FDMEE 11.1.2.4 currently available
- FDM Classic no longer available with 11.1.2.4 release
- If you own FDM, you own FDMEE
 - Adaptor licensing is the same
 - HFM Adaptor
 - Adaptor Suite
 - SAP Adaptor



Source System Integration

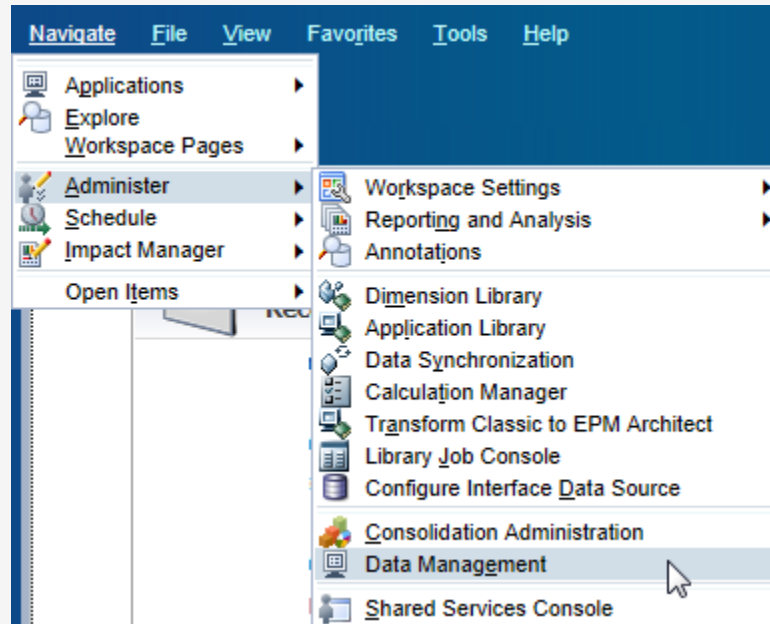
Source	Version	Data	Metadata	Drill-Through	Write-back
EBS Financials	11i/12x	Yes	Yes	Yes	Yes
PeopleSoft Fin PeopleSoft HCM	9.X	Yes For PSPB	Yes For PSPB	Yes No	Yes No HCM data
Fusion Financials	11.1.x	Yes	Yes	Yes	Yes
JD Edwards Fin	9.0, 9.1 Tools 9.1.x	Yes	No	Yes	No
SAP Financials SAP BW	4.6c, 4.7, ECC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

Note: Write-back is applicable in 11.1.2.3, changes coming in 11.1.2.4



GUI Differences

- The look and feel has changed dramatically
- Accessed through the same Workspace HFM and Planning are accessed
- Menu options and set up have been updated
- The Fish live!





Workflow / Workbench

ORACLE Oracle Hyperion Financial Data Quality Management, Fusion Edition

Export

Workflow

Last Step

Import

Validate

Export

Check

View Options

Period: Sep - 2011 Category: ACTUAL Export

Export to Excel

Entity	Account	View	ICP
A2008_GGTHC	33001	YTD	[ICP NONE]
A2008_GGTHC	33017	YTD	[ICP NONE]
A2008_GGTHC	40101	YTD	[ICP NONE]
A2008_GGTHC	40110	YTD	[ICP NONE]
A2008_GGTHC	40917	YTD	[ICP NONE]
A2008_GGTHC	54102	YTD	[ICP NONE]
A2008_GGTHC	57101	YTD	[ICP NONE]
A2008_GGTHC	58931	YTD	[ICP NONE]
A2008_GGTHC	67001	YTD	[ICP NONE]
A2008_GGTHC	80001	YTD	[ICP NONE]
A3192_GGTHC	33001	YTD	[ICP NONE]
A3192_GGTHC	33017	YTD	[ICP NONE]
A3192_GGTHC	41010	YTD	[ICP NONE]
A3192_GGTHC	58931	YTD	[ICP NONE]
A3192_GGTHC	80001	YTD	[ICP NONE]
A5003_GGTHC	33001	YTD	[ICP NONE]
A5003_GGTHC	33017	YTD	[ICP NONE]
A5003_GGTHC	40103	YTD	[ICP NONE]
A5003_GGTHC	40103	YTD	[ICP NONE]
A5003_GGTHC	40103	YTD	[ICP NONE]
A5003_GGTHC	40914	YTD	[ICP NONE]
A5003_GGTHC	41010	YTD	[ICP NONE]
A5003_GGTHC	57101	YTD	[ICP NONE]
A5003_GGTHC	58931	YTD	[ICP NONE]
A5003_GGTHC	58931	YTD	[ICP NONE]
A5003_GGTHC	58931	YTD	[ICP NONE]
A5003_GGTHC	80001	YTD	[ICP NONE]

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kgulliver | HIST_1Q-3Q_2011 | Sep - 2011 | ACTUAL | ACTUAL | Global | Open | FM11X

ORACLE Enterprise Performance Management System Workspace, Fusion Edition

Navigate File View Favorites Tools Help

Home Page Data Management x

Workflow Setup

Tasks

Data Load

- Data Load Workbench
- Data Load Rule
- Data Load Mapping
- Logic Group
- Check Rule Group
- Check Entity Group

Metadata

- Metadata Rule

Write Back

- Write Back Workbench
- Write Back Rule
- Write Back Mapping

Other

- Batch Execution
- Report Execution
- Script Execution

Monitor

- Process Details

Import Validate

Load Data

View Format Show Download Template Load Journal

Source-ENTITY	Entity	Source-ACCOUNT	Account	Source-ICP
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74550_70235	74550	[ICP None]
-- 82901	LE_82901	74750_70251	74750	[ICP None]
-- 82901	LE_82901	74750_70251	74750	[ICP None]
-- 82901	LE_82901	74750_70251	74750	[ICP None]
-- 82901	LE_82901	74750_70251	74750	[ICP None]
-- 82901	LE_82901	26880_27511	26880	[ICP None]
-- 82901	LE_82901	80003_00000	80003	[ICP None]
-- 82901	LE_82901	80003_00000	80003	[ICP None]
-- 82901	LE_82901	80003_00000	80003	[ICP None]
-- 82901	LE_82901	80003_00000	80003	[ICP None]
-- 82901	LE_82901	75560_70207	75560	[ICP None]
-- 82901	LE_82901	75560_70207	75560	[ICP None]
-- 82901	LE_82901	75560_70207	75560	[ICP None]

Columns Hidden 20

Location H_14_15AllGibMap_L Period JAN-2014 Category ACTUAL Rule RCN_LD_GLBL Source File



Data Load Workbench

- On One Screen
 - Source / Target same screen
 - Perform Multi Column filters
 - Supports wildcards
 - Customize View, including attributes
 - Export to Excel
 - Must be on last row of view
 - Invalid Data
 - Ignored Data
 - Offline Mode processing



Enhanced Workbench

- Source / Target same screen
- Multi Column Filters

Load Data

View ▾ Format ▾ Show ▾ Download Template ▾ Load Journal Freeze Detach | Wrap

	Source-ENTITY	Entity	Source-ACCOUNT	Account	Source-ICP	ICP	Source-SUBPRIME	SubPrime_I
--	82901	LE_82901	74550_70235	74550	[ICP None]	[ICP None]	70235	SP_70235
--	82901	LE_82901	74550_70235	74550	[ICP None]	[ICP None]	70235	SP_70235
--	82901	LE_82901	74550_70235	74550	[ICP None]	[ICP None]	70235	SP_70235
--	82901	LE_82901	74550_70235	74550	[ICP None]	[ICP None]	70235	SP_70235
--	82901	LE_82901	74550_70235	74550	[ICP None]	[ICP None]	70235	SP_70235
--	82901	LE_82901	74550_70235	74550	[ICP None]	[ICP None]	70235	SP_70235

Load Data

View ▾ Format ▾ Show ▾ Download Template ▾ Load Journal Freeze Detach | Wrap

	Source-ENTITY	Entity	Source-ACCOUNT	Account	Source-ICP	ICP	Source-SUBPRIME	SubPrime_I
			37*				_3101	
--	98911	LE_98911	37000_53101	37001	[ICP None]	[ICP None]	53101	SP_53101
--	98321	LE_98321	37000_83101	37001	[ICP None]	[ICP None]	83101	SP_83101
--	98311	LE_98311	37000_53101	37001	[ICP None]	[ICP None]	53101	SP_53101
--	98321	LE_98321	37000_53101	37001	[ICP None]	[ICP None]	53101	SP_53101
--	98911	LE_98911	37000_83101	37001	[ICP None]	[ICP None]	83101	SP_83101
--	98321	LE_98321	37000_53101	37001	[ICP None]	[ICP None]	53101	SP_53101



Enhanced Workbench

- Customize Views, including attributes
- Export to Excel*

Load Data

View Format Show Download Template Load Journal Freeze Detach Wrap

	Source-ENTITY	Entity	Source-ACCOUNT	Account	Source-SUBPRIME	Source-ICP	ICP	SubPrime_I	S
--	98911	LE_98911	37000_53101	37001	53101	[ICP None]	[ICP None]	SP_53101	0
--	98321	LE_98321	37000_83101	37001	83101	[ICP None]	[ICP None]	SP_83101	0
--	98311	LE_98311	37000_53101	37001	53101	[ICP None]	[ICP None]	SP_53101	0
--	98321	LE_98321	37000_53101	37001	53101	[ICP None]	[ICP None]	SP_53101	0
--	98911	LE_98911	37000_83101	37001	83101	[ICP None]	[ICP None]	SP_83101	0
--	98321	LE_98321	37000_53101	37001	53101	[ICP None]	[ICP None]	SP_53101	0

	A	B	C	D	E	F	G	H	I	
1		Source-ENTITY	Entity	Source-ACCOUNT	Account	Source-SUBPRIME	SubPrime_I	Source-ICP	ICP	Sou
2	--	98911	LE_98911	37000_53101	37001	53101	SP_53101	[ICP None]	[ICP None]	
3	--	98321	LE_98321	37000_83101	37001	83101	SP_83101	[ICP None]	[ICP None]	
4	--	98311	LE_98311	37000_53101	37001	53101	SP_53101	[ICP None]	[ICP None]	
5	--	98321	LE_98321	37000_53101	37001	53101	SP_53101	[ICP None]	[ICP None]	
6	--	98911	LE_98911	37000_83101	37001	83101	SP_83101	[ICP None]	[ICP None]	
7	--	98321	LE_98321	37000_53101	37001	53101	SP_53101	[ICP None]	[ICP None]	



Enhanced Workbench

- View Invalid records /
- View Ignored records

Load Data

View Format Show Download Template Load Journal Freeze Detach Wrap

Valid Data
Invalid Data
Ignored Data
All Data

Source-ENT	Source-ACCOUNT	Account	Source-ICP	ICP	Source-SUB
-- 32301	37000_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54201	30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54201	LE_54201 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54201	LE_54201 37000_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54301	LE_54301 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54301	LE_54301 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54301	LE_54301 37000_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54401	LE_54401 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 54401	LE_54401 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 32301	LE_32301 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 32301	LE_32301 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54301	LE_54301 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 54401	LE_54401 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54401	LE_54401 30100_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54401	LE_54401 37000_00000	IGNORE	[ICP None]	[ICP None]	00000
-- 54301	LE_54301 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 54501	LE_54501 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 32301	LE_32301 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 32301	LE_32301 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 54101	LE_54101 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 54101	LE_54101 30100	IGNORE	[ICP None]	[ICP None]	00000
-- 54501	LE_54501 30100	IGNORE	[ICP None]	[ICP None]	00000



Enhanced Workbench

- Offline Mode Processing

Execution Mode Option

Export Mode:

Execution Mode:

Information

A process has been submitted for extraction.
Process Id: 4269 Extract Id: 3391501

View Refresh Reset Status Detach

Process ID	Status	Log	Location	Process Name	Rule
4270	✓	Show	H_1213TyJVCISL_LU	Data Load	LR_H
4269	✓	Show	H_12_13AllGblMap_LU	Data Load	LR_H
4252	✓	Show	H_DATARECN_TEST	Data Load	LR_JL
4251	✗	Show	H_DATARECN_TEST	Data Load	LR_JL
4249	✗	Show	H_DATARECN_TEST	Data Load	LR_JL
4229	✓	Show	B_12_13AllGblMap_LU	Data Load	LR_E
4216	✓	Show	B_12_13_TAIWAN_LU	Data Load	LR_E
4215	✓	Show	E_12_15_CurrChg_U	Data Load	LR_E
4214	✓	Show	E_12_15_China_JV	Data Load	LR_E
4213	✓	Show	B_12_13_KORFA_LU	Data Load	LR_E

Columns Hidden 2

Process Step

View Detach

Status	Process Step
✓	Export balance data to Financial Management application GLBLHFM
✓	Load balance data to Financial Management application GLBLHFM
✓	Create drill region HFM_DRILL_REGIONS
✓	Consolidate data for Financial Management application GLBLHFM



Data Load Rule

- Concept that was originally utilized in ERPi
- Similar to the 4th dimension of the POV
 - Location
 - Period
 - Category
 - Load Rule
- Allows for single click Workflow processing Import > Check
- Can process multi period files at once
 - Does not need to adhere to the target calendar Start/End



Data Load Rule Execution

Data Load Rule

Data Rule Summary

View ▾ + Add ✕ Delete Refresh Edit Integration Options Show ▾ Detach Execute

Status	Name	Category	Description
✓	LR_DEC-2014	ACTUAL	
✓	LR_G02_APR-2014	ACTUAL	
✓	LR_G02_AUG-2014	ACTUAL	
✓	LR_G02_FEB-2014	ACTUAL	
✓	LR_G02_JUL-2014	ACTUAL	

Details

Name LR_DEC-2014
Category ACTUAL
File Name Select
File Name Suffix Type
Import Format

Execute Rule

Import from Source
Recalculate
Export to Target
Execute Check
* Start Period JAN-2015 ▾
* End Period DEC-2015 ▾
Import Mode Replace ▾
Export Mode Replace ▾

Run Cancel



Mapping

- **Multi Dimensional**
 - Similar to VarValues but does not require scripting
 - Can support wildcards
 - Restricted to source members only
- **Enhanced Wildcard mapping**
- **Validation of Maps**
 - Maps can be validated when imported into FDMEE (not during the data validation step)
 - Note: If a map fails the validation it cannot be migrated through LCM
- **Load Rule specific Maps (i.e. Actual v Budget)**



Mapping Options

- Multi-Dimension Maps
- Specific Load Rule Maps
- Mapping Validation

Multi Dimension

* Rule Name: * Target Value:

View

Dimension	Source	Data Table Column	Condition	Value
SubPrime_I	SUBPRIME	UD14	Explicit	16499
Account	ACCOUNT	ACCOUNT	Between	41233022,41233023

Data Load Mapping

Dimensions: Data Table Column: ACCOUNT

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

View

Source Value	Target Value	Change Sign	Description	Apply to Rule
83500_16499	83501	<input type="checkbox"/>		Acutals Load
84000_16499	84001	<input type="checkbox"/>		Budgets Load
84200_16499	84201	<input type="checkbox"/>		

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

View



Mapping Scripts

- Jython
 - Oracle moving away from VB code, Jython is platform agnostic
 - CaSe and Syntax Sensitive
 - Works similarly to VarValues
 - Performs mapping on a row by row basis
- SQL
 - Not case sensitive
 - Bulk mapping updates



Security

- Group based security that is configured within Shared Services
- Similar functionality as FDM Classic
- 11.1.2.3
 - Limited POV Locking (depending on patch level)
- 11.1.2.4
 - POV Locking for all Locations and individual locations



Limitations with 11.1.2.3

- Not a 1.0 version, however, there are still some missing features and some bugs
- LCM Migration available, however, some components do not transfer during migration.
 - i.e. Map specific scripts
- Validation errors cannot be corrected by selecting the failed validation in the Workbench
- Audit Reports to track mapping changes and SOX questionnaire not available
- Batch processing default maximum frequency is 1 hr.
- Location Names are cAse sensitive



Version 11.1.2.4

- Parity Items
 - Adaptor “copy”
 - Graphical Import Format Builder
 - Fix FDM Mapping Issues from Workflow
 - Still one dimension at a time
 - POV Locking



Version 11.1.2.4 cont.

- New Items
 - User Interface Improvements
 - GUI, Record Count, Multiple Language, Script Editor
 - Expanded Integration
 - HPCM, HTP, FCM, Exalytics
 - Improved Direct Integration Performance
 - Oracle EBS Code Combinations
 - PeopleSoft Business Unit



Version 11.1.2.4 cont.

- New Items
 - Mapping Import
 - Flat File (GUI) – Multi-dimension, 1 Location, Validation, Merge/Replace
 - Excel (GUI) – 1 Dimension, 1 Location, Validation, Merge/Replace
 - Excel (Interface) – Multi-dimension, Multi-location, No Validation, Append
 - Flat File (Command Line) – 1 Dimension, 1 Location, Validation, Merge/Replace
 - Data Sync
 - Import format
 - Data Load Rule
 - Execution

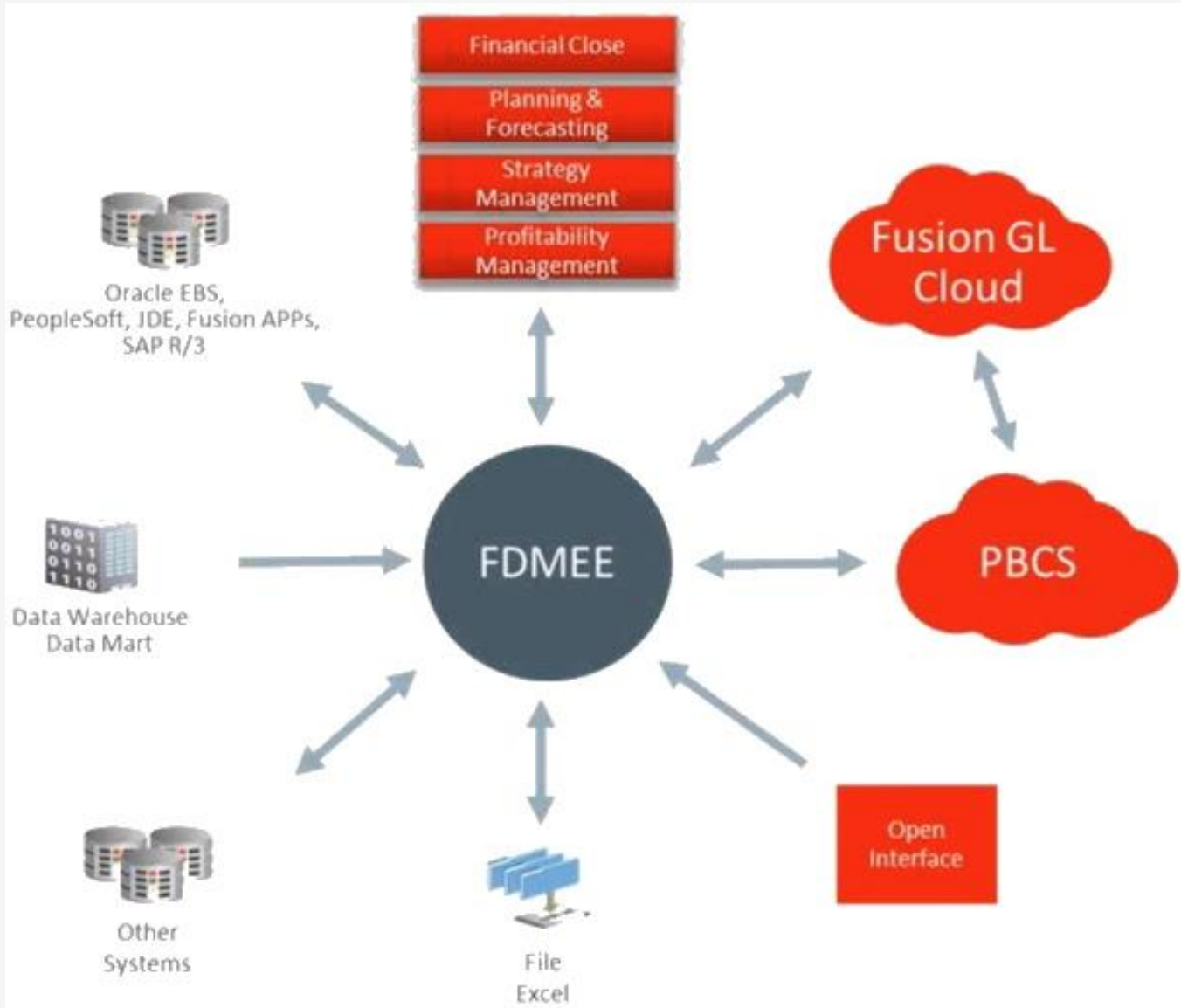


Roadmap – 11.1.2.4.100

- Informational purposes only and should not be relied on for purchasing decisions
- Release 11.1.2.4.100
 - Hybrid implementation
 - On Premise to On Premise
 - Cloud to On Premise
 - On Premise to Cloud (New)
 - Cloud to Cloud
 - Migration Utility
 - Generic table adapter
 - Strategic Finance Adapter



FDMEE Data Sync





Roadmap – Future Releases

- New Term
 - Additional FCM integration
 - Source metadata from SAP BW
 - Minor Parity Items
- Longer Term
 - Metadata loading enhancements
 - DRM integration – maintain mapping tables and push to FDMEE natively
 - SAP Adapter for better performance
 - Non numeric Planning data
 - Mapping review mode – security related
 - Mobile access to drill-through
 - Filter Balance Sheet and Income Statement filters
 - Party Items



Thank you!

- Contact Information:
 - Jessica Gulliver
 - (206) 419-0561
 - jgulliver@mindstreamanalytics.com
 - www.mindstreamanalytics.com

