



Kevin Gillins
kgillins@alaristechnology.com

FDQM Functionality – Does it meet your expectations?

Join me in a walkthrough of an implementation of FDQM into an existing Planning application on Release 11.1.1.3. Discover with me the functionality of FDQM and see if it fits into your organization. Hear about shortcomings of FDQM for our requirements and contrast them with areas FDQM excels.

Oracle Applications Precision

Introduction - Agenda

- Background
- About the Project
- What are the business users perspectives and expectations
- The major key business requirements
- FDQM overview – Sneak peak at the entire system in 20 minutes
- Dealing with defects and issues before we even started
- Piece by piece we accomplished the implementation
- What gaps did we find and how did we bridged them
- Recommendations to the next newbie
- Summary

Background



- Alaris
 - Alaris has been providing Oracle Application consulting for 12 years
 - Started to include Hyperion in 2010
 - Major market segments are Government Defense, Health Insurance, Publishing and Copyrighting, and Manufacturing
- Myself
 - I have been working with Oracle Application software (E-Business) since 1992
 - Recently installing, patching, and implementing Hyperion Planning, Hyperion Profitability and Cost Management (HPCM), and most recently FDQM
 - Many hats. Developer, Apps DBA, support, I/T Operations to name a few

About the Project - Environment

- Infrastructure: 2 windows servers, AIX (Essbase 64bit), Solaris (Oracle RDBMS)
- Planning and HPCM on 11.1.1.3
- Using IBM Websphere as the web server
- Hyperion has been in production use for two years
- EPMA is not being used
- Only TEST and PROD systems
- Working to build out a Development environment
- ~150 Planning users
- ~60 FDQM users (drill down) Only 4-5 Admins importing data
- 5 HPCM users
- ~150 Smart View users

About the Project – General Plan

- Replace an outdated reporting system that was using Proclarity running on unsupported versions of Windows 2000 operating system, SQL Servers and desktop plug-ins. It had to go.
- Build a second planning application for the Revenue plan
- Implement FDQM to both the existing Admin Planning application and the new Revenue plan application
- Enable the Admin Planning users the ability to view detail expenses that make up their department expenses beyond the level within the Planning database (Drill into GL Journal Line information)
- Combine Actual Revenue with Planned Revenue for ease of reporting (manual today) and enable viewing a level of detail beyond the Planning database (Drill into GL Journal Line information)

Major Business Requirements

- Intuitive user interface and fast response
- Loading of data to be simple and controlled by user admins
- Excel like reporting capabilities or at a minimum exporting to Excel to be easy (one click simple)
- Drilling to detail transactions. Want to see the GL Journal information such as Batch, Header, many segment values, periods, descriptions, vendors and invoices (for AP entries)
- Ability to bring in Employee head count statistics from HR for Admin plan and actual
- Ability to bring in Customer statistics (volume of sales) for revenue plan and actual
- Enable preliminary reporting by pulling in estimated items such as taxes and cost allocations prior to posting in GL

Project Effort

- Lost about one month dealing with bugs, issues, and problems.
- Spent another two weeks figuring out how to bridge gaps related to the drill down (more on this later)
- Learning curve and training was about another two weeks
- Project started in January 2012 after business requirements were gathered and documented we started to actually work on building in March 2012.
- The build gained traction in April and UAT for the Admin Planning component took place in May.
- The Revenue component is a build out of planning as well as FDQM and a variety of reports. We are expecting to start UAT today while I am here delivering this session

FDQM Overview – Planning App perspective



- Has an interface that allows end business users define how data and transaction files are to be mapped and loaded into an Essbase database. FDQM offers multiple Integrators. These integrators define how FDQM will access either a source or target application. The discussion today will only review the Planning or Essbase target integrator and the default import integrator.
- Offers mapping capabilities that can be very simple or a complete scripting approach for the very complex and difficult scenarios.
- Provides out-of-the box Essbase loading utilities. For efficiency purposes custom load rules can be define but the standard loads may work for you as well.
- Offers drill back to source transactions out of the box.

FDQM with Planning – Pros and Cons

Pros

- Simple user interface
- Customizable in most areas
- Drill to transaction data is delivered out of the box
- Variety of reports
- Audit compliance
- Ability to go back to the source system

Cons

- Sluggish performance
- Level zero drilling only
- Drilling is more than one click away
- Export to Excel is cluttered with unused (empty) data fields
- More effort than expected to implement dealing with data truncation

Enough Already – Let's see some FDQM

- But first – In many places the product is called FDM and others FDQM. Since this client already has an internal custom application called FDM for another purpose, I will refer to Oracle's product as FD~~Q~~M
- Please be gentle this is my first implementation and I learned a lot!
- URL = <http://servername.domainname.com/HyperionFDM>
- Blurred or blocked data to protect sensitive client information

FDQM - Login



File Help

Logon

Application: BluePlanFDM ▼

User Name: hypadmin

Password: ●●●●●●●●

Domain:

Logon

FDQM – Parts of the screen



The screenshot displays the Oracle Hyperion Financial Data Quality Management (FDQM) interface. The top navigation bar includes the following menu items: File, Workflow, Activities, Analysis, MetaData, Tools, Administration, and Help. The main content area features a workflow process with four steps: Import, Validate, Export, and Check, each represented by a green checkmark icon. A blue line connects these steps, indicating the workflow sequence. A blue arrow points from the 'Menu bar' label to the top navigation bar. Another blue arrow points from the 'Side menu' label to the left-hand navigation pane, which lists 'Workflow' (with sub-items: Last Step, Import, Validate, Export, Check) and 'Activities' (with sub-items: Activities, Analysis, MetaData, Tools, Administration). A third blue arrow points from the 'Workflow Icons and Menu' label to the workflow icons. A fourth blue arrow points from the 'FDQM POV' label to the bottom status bar, which displays the following information: hypadmin | BluePlanFDM | BLUEPLAN_GL_ACTUALS | FEB-11 | GL ACTUALS | WORKING | Global | Open | E511x-G4-E | [lock icon].

Menu bar

Side menu

Workflow Icons and Menu

FDQM POV

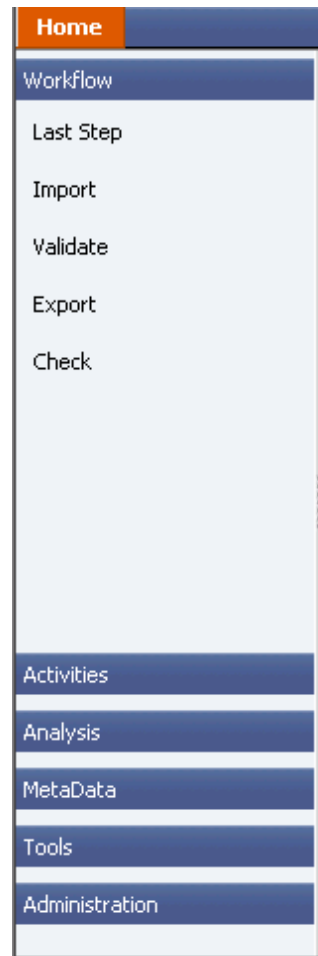
The POV bar

1 hypadmin | BluePlanFDM | BLUEPLAN_GL_ACTUALS | APR-11 | GL ACTUALS | WORKING | Global | Open | E511x-G4-E

2 hypadmin | BluePlanFDM | BLUEPLAN_GL_ACTUALS | FEB-11 | GL ACTUALS | WORKING | Global | Locked | E511x-G4-E | 

- User
- Application
- Location
- Period
- Category
- Mapped Category
- Global / Local
- System Status (Open)
- Adapter
- Location Status

FDQM – The Side Menu - **WORKFLOW**



- Workflow
 - Import
 - Validate
 - Export

The Workflow Icons (where did the gold fish go?)



Import Validate Export Check

View Options Upload File Select File From Inbox

Period: APR-11 Category: GL ACTUALS Show: All View Log

Delete All Export to Excel

	GL Acct Desc	GL Account	JE Description	Period Name	GL Cost Center	
No items to display.						

No data has been imported in the above scenario
No icons appearing mean step is not complete

Import Validate Export Check

View Options Upload File Select File From Inbox

Import Import Type: Replace

Delete All Export to Excel

	GL Acct Desc	GL Account	JE Description	Period Name	GL Cost Center	Amor
--	CELLULAR PHONES	62				

Data has successfully imported
The Green checkbox indicates import success

The Workflow icons (where did the gold fish go)



Workflow icons: **Import** (green checkmark), **Validate** (green checkmark), **Export**, **Check**

View Options

Period: Category:

☒ Export to Excel

Scenario	Account	Line Item	Organization	Amount
ACTUAL				1.82
ACTUAL				

We have completed the Validation step
Data view is close to what is seen in the drill down

Workflow icons: **Import** (green checkmark), **Validate** (green checkmark), **Export** (green checkmark), **Check** (red X)

View Options

Period: Category:

☒ Export to Excel

Scenario	Account	Line Item	Organization	Amount
ACTUAL				1.82
ACTUAL				

Export from FDQM into Essbase is successful
The Check validation failed indicating Essbase is not balanced with FDQM

Workflow - Check Report



GL Data Load Validation Report

Location: BLUEPLAN_GL_ACTUALS

Category: Working

Period: Apr

Validation Group: GLDATA

Fail

ACTUAL

GL Account Values

Account	Value
TACCT - From Load File	0.00
TACCT - From BluePlan	23,338.04
Variance - Computed Difference	(23,338.04)
Error Variance Check	Variance must be zero 0.00

Import

Validate

Export

Check

View Options

Period: APR-11 Category: GL ACTUALS

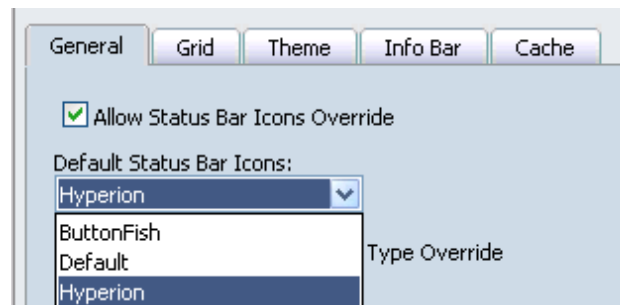
Export View File View Log

Export to Excel

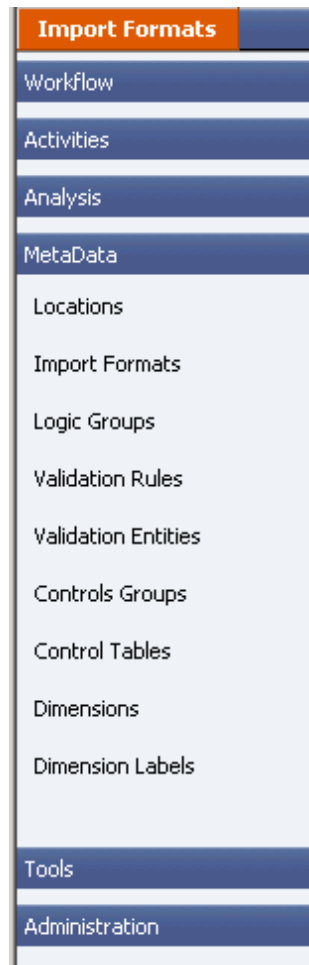
Scenario	Account	Line Item	Organization	Amount
ACTUAL				1.82
ACTUAL	54310	LINE ITEM	50007	1,000.00

Switching from Execute to Definition

- The prior steps showed the Workflow in action bringing data into FDQM, Mapping, Validating, and Exporting into Essbase Cube
- The remainder of this will show what we did to define and create the process
- The Gold Fish can be returned by updating the config item



FDQM – The Side Menu - MetaData



- MetaData
 - Locations
 - Import Format
 - Validation Rules
 - Control Tables

MetaData - Locations



Save Name: BLUEPLAN_GL_ACTUALS Type: Data Load Location ID: 750

General Workflow Behaviors Financial Controls Integration Options

Import Format: GL_ACTUALS Logic Group: [NONE]

Validation Rules: GLDATA Validation Entities: [NONE]

- Attach the Import Format and Validation Rules to the location
- Sequence processing of maps if needed is turned on at the Location
- User security and locations are related for processing data
- Take note of the Location ID (750) – you may want to know this number at some point or remember where to find it when you need it

MetaData – Import Formats

Import Group	Description	File Type	Delimiter
FTE_ACTUALS	Load FTE head count file	Script	NA
GL_ACTUALS	Actual Data from GL to BluePlan	Script	NA

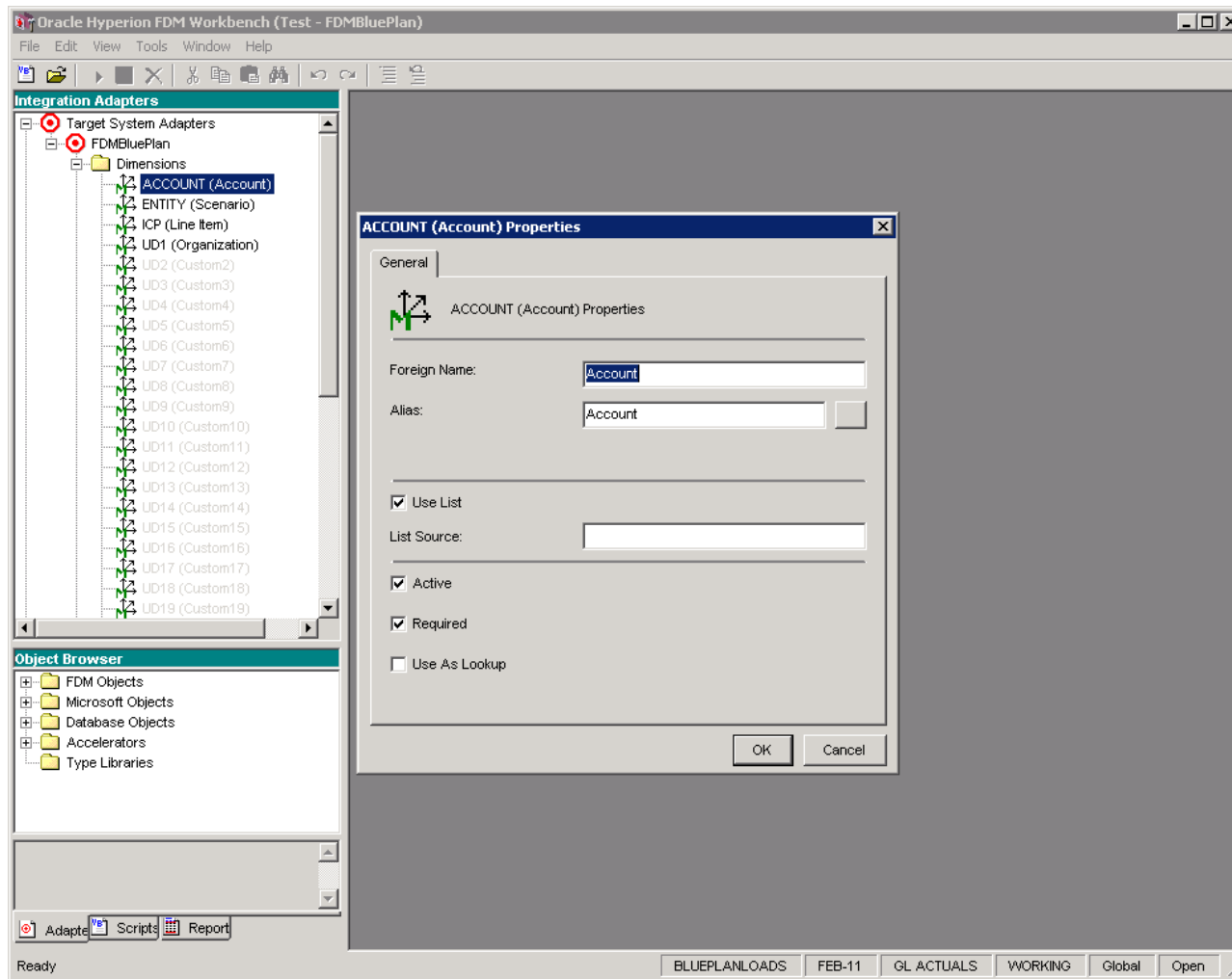
Page (1 of 1) 1

Fields for Selected Import Format

Expression
Script=bcbs_gl_admin_actuals.uss

- Import Group to assign the type of format as in (Adapter, Fixed, Delimited, Script)
- For a script type add the Expression = Script and the script name

FDQM Workbench – On server



FDQM Workbench - Integration Script Defined (Script to query direct from Oracle Apps GL)

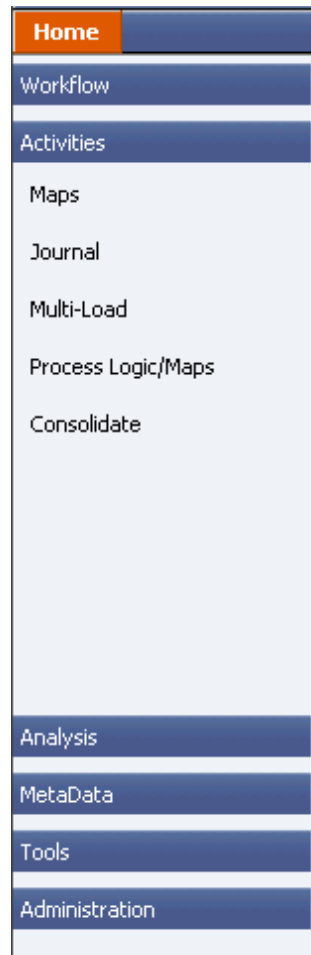


The screenshot shows the Oracle Hyperion FDM Workbench interface. The title bar reads "Oracle Hyperion FDM Workbench (Test - FDMBluePlan) - [Import - bcbs_gl_admin_actuals]". The menu bar includes File, Edit, View, Tools, Window, and Help. The toolbar contains various icons for file operations and execution. On the left, the "Script Editor" pane shows a tree view with folders for Event, Custom, and Import. Under the Import folder, two scripts are listed: "bcbs_fte_admin_ac" and "bcbs_gl_admin_act". The main editor area displays a script with the following content:

```
48
49     'Create query string
50
51     'now execute the actual extract
52     strSQL = "select period_name, company, account, cost_center, "
53     strSQL = strSQL & "journal_desc, batch_name, acct_desc, cc_desc, je_source, je_ca
54     strSQL = strSQL & "vendor_name, inv_number, amount from apps.bcbs_hyp_admin_gldat
55     strSQL = strSQL & "where period_name = '" & RES.PstrPer & "'"
56
57     'Get data
58     rs.Open strSQL, cnSS
59
```

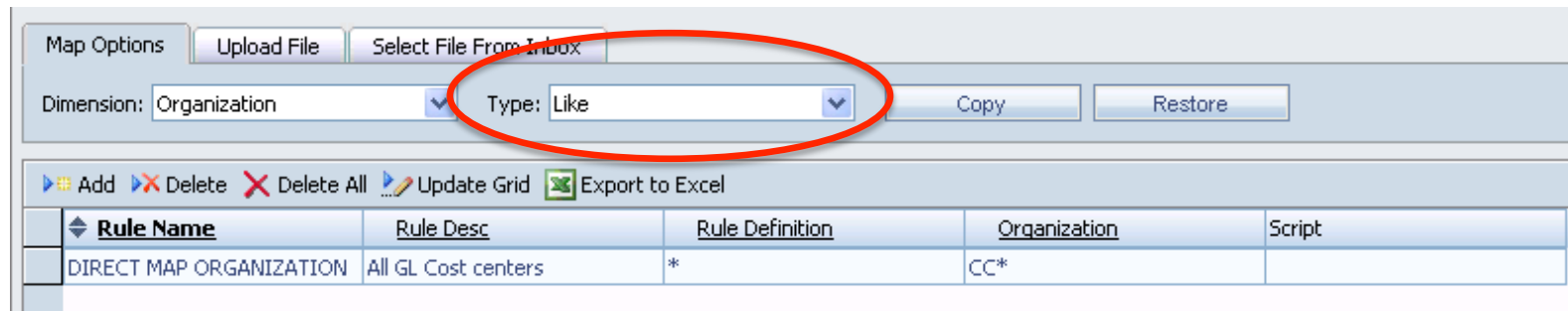
- Create View in Oracle Applications to do the joins and data filters to meet your requirements
- Grant access to an interface schema / user
- Build connectivity between FDQM and Oracle Apps
- **cnss.open "Provider=OraOLEDB.Oracle.1;Password=****;Persist Security Info=True;User ID=hyp;Data Source=mydbname"**

FDQM – The Side Menu - **ACTIVITIES**



- Activities
 - Maps

Mapping Data using type of **Like**



Map Options Upload File Select File From Inbox

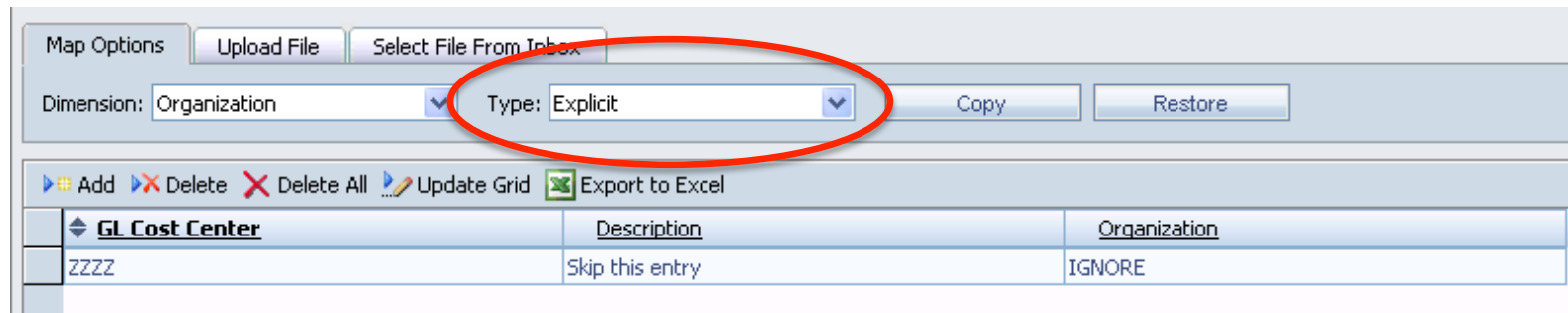
Dimension: Organization Type: Like Copy Restore

Add
 Delete
 Delete All
 Update Grid
 Export to Excel

Rule Name	Rule Desc	Rule Definition	Organization	Script
DIRECT MAP ORGANIZATION	All GL Cost centers	*	CC*	

- Rule Name is something meaningful to you
- Rule Description to help you further
- Rule Definition * is any string of character ? Is any single character
- Target value (Organization) is either selected from the Essbase cube or you can use wild cards as in this example to prefix the value with CC
- Script – You can use VB Scripting to perform mapping logic

Mapping Data using type of **Explicit**

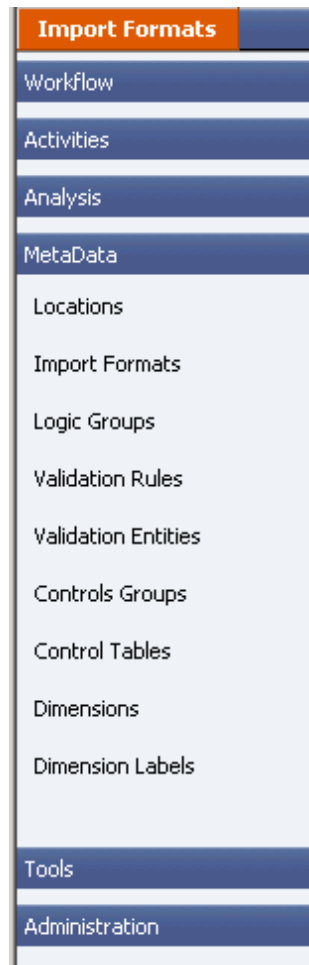


The screenshot shows the ALARIS mapping interface. At the top, there are buttons for 'Map Options', 'Upload File', and 'Select File From Inbox'. Below these, there are two dropdown menus: 'Dimension: Organization' and 'Type: Explicit'. The 'Type: Explicit' dropdown is circled in red. To the right of these dropdowns are 'Copy' and 'Restore' buttons. Below the dropdowns, there is a toolbar with icons for 'Add', 'Delete', 'Delete All', 'Update Grid', and 'Export to Excel'. At the bottom, there is a table with three columns: 'GL Cost Center', 'Description', and 'Organization'.

GL Cost Center	Description	Organization
ZZZZ	Skip this entry	IGNORE

- Source value in this case ZZZZ
- Rule Description to help you further
- Target value (Organization) in this case is a special value from the pull down of IGNORE. This causes FDQM to not pass the value on to the target database but to store it in the FDQM database as a source value

FDQM – The Side Menu - MetaData



- MetaData
 - Locations
 - Import Format
 - Validation Rules
 - Control Tables





MetaData – Validation Rules

Add Delete Update Grid Export to Excel		
Validation Group	Description	Date Created
FTES	FTES Load Validation	4/8/2012
GLDATA	GLData Load Validation	4/8/2012

- Define Validation Group. This is a holding area for all of the validation rules

MetaData – Validation Rules – (cont...)

Validation Rules For Selected Validation Group

 Add
  Delete
  Update Grid
  Export to Excel

Display Value	Description	Rule Name	Rule Text	Type	Category	Sequence	Rule Logic
#Title	GL Data Load Validation Report	NA	NA	All	All	10	
#SubTitle	GL Account Values	NA	NA	All	All	20	
#ModeList		NA	NA	All	All	30	
TACCT	From Load File	NA	NA	All	All	40	`,,,,,Actual,Ign Item1,Ignore,,,
TACCT	From BluePlan	NA	NA	All	All	50	Working,,,,,Ac Item1,ALLCO,,,
Variance	Computed Difference	NA	NA	All	All	60	`,,,,,Actual,Ign Item1,Ignore,,, - Working,,,,,Ac Item1,ALLCO,,,
#ModeRule		NA	NA	All	All	70	
Variance Test	Testing the Variance	Variance Check	Variance must be zero	All	All	80	`,,,,,Actual,Ign Item1,Ignore,,, -

- Rules and Display values are defined here. The last item is the test of the condition to determine Pass / Fail of the check report
- These can and are confusing as well as tricky to get to work properly. Practice a lot with these to grasp how they work.

MetaData – Validation Rules – (cont...)

GL Data Load Validation Report		Location: BLUEPLAN_GL_ACTUALS
Validation Group: GLDATA		Category: Working
		Period: Apr
Fail		
ACTUAL		
GL Account Values		
Account		Value
TACCT - From Load File		0.00
TACCT - From BluePlan		23,338.04
Variance - Computed Difference		(23,338.04)
Error Variance Check	Variance must be zero	0.00

- #Title and #Subtitle - define what appears on the check report. The description field is displayed on the report.
- #ModeList – Defines the lines of data that appear on the report
- #ModeRule – Defines the line / lines of the actual test condition

MetaData – Validation Rules – (cont...)





- TACCT – From Load File
 - `,,,,Actual,Ignore,Line Item1,Ignore,,,,,,,,,,,,`
 - This defines how the data is queried. The rule is enclosed between the ` character which instructions the query to access the source data as it was imported into FDQM dimensions defined
- TACCT – From BluePlan
 - IWorking,,,,Actual,TACCT,Line Item1,ALLCO,,,,,,,,,,,,I
 - This defines how the data is queried. The rule is enclosed between the | character which instructs the query to access the Essbase database as it current exists in the database. The members are defined in the query

MetaData – Validation Rules – (cont...)

- Variance – Computed Difference
 - `,,,,Actual,Ignore,Line Item1,Ignore,,,,,,`-|
Working,,,,Actual,TACCT,Line Item1,ALLCO,,,,,,|
 - This defines both queries with the subtraction between them. This is the variance between the 2 numbers
- Variance Test
 - `,,,,Actual,Ignore,Line Item1,Ignore,,,,,,`-|
Working,,,,Actual,TACCT,Line Item1,ALLCO,,,,,,|=0
 - AS you can see this rule tests the variance against zero. If the test is TRUE then we have a PASS if not we have a FAIL

MetaData – Control Tables – (Periods)

Control Table: Periods Adapter: [Global] (E511x-G4-E)

 Add
  Delete
  Update Grid
  Export to Excel

Period	Prior Date Key	Text Description	Target Per (M)	Target Per (Q)	Target Per (Y)	Target Per (D)	Year Target
1/31/2011	12/31/2010	JAN-11	Jan				FY11
2/28/2011	1/31/2011	FEB-11	Feb				FY11
3/31/2011	2/28/2011	MAR-11	Mar				FY11
4/30/2011	3/31/2011	APR-11	Apr				FY11

- Defines your basic calendar
- We enabled the option to allow custom descriptions on this table
- Description matches the PERIOD NAME in the Oracle GL system
- Pass this period name to the query when we import data to filter the correct period.

Options:





Allows custom description in period. ▼

Allows custom description in period.

☒ On/Off

MetaData – Control Tables – (Categories)

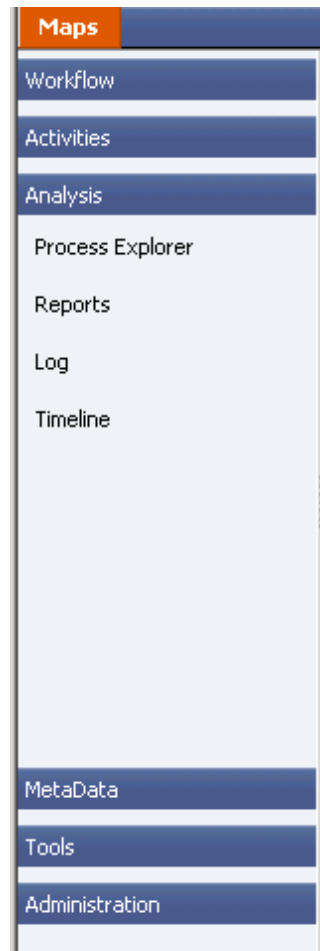
Control Table: Adapter:

 Add  Delete  Update Grid  Export to Excel

Category Key	Category	Description	Target Category	Frequency
13	GL ACTUALS	GL Actuals	WORKING	Monthly

- Defines a Category of data
- Could define Actual and Plan categories
- Flexible to define what you want to map it to in database
- I used this for the SCENARIO dimension map into Essbase

FDQM – The Side Menu - ANALYSIS



- Analysis
 - Reports

Reports are created using the Client Workbench for FDQM

I have not created any custom Reports at this time

I have modified the Check Report to Increase field sizes for cosmetics

Reports



English Groups:

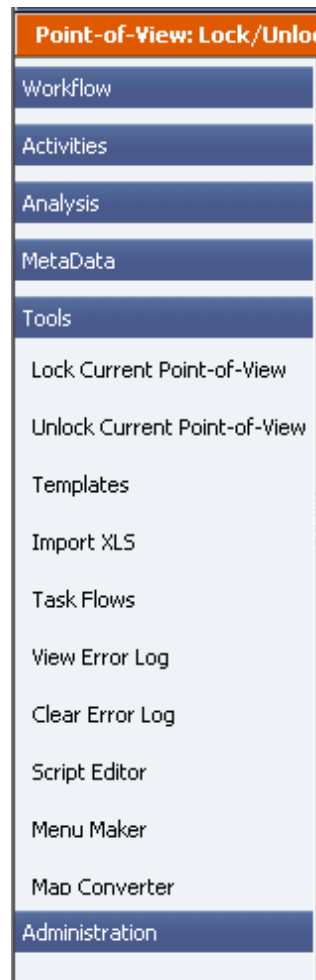
Check Reports

- Check Report
- Check Report With Warnings
- Check Report Period Range (Cat, Start Per, End Per)
- Check Report By Val. Entity Seq.
- Check Report With Warnings (Only Warnings/Errors)

hypadmin | BluePlanFDM | BLUEPLAN_GL_ACTUALS | APR-11 | GL ACTUALS | WORKING | Global | Open | E511x-G4-E

- Reports can accept parameters and prompt the user
- Some reports use the POV bar settings as the parameters to execute like the **Check Report**
- Reports can be published in various formats – This is a buggy area of FDQM for both delivered reports and publishing
- Be sure to test your reports a lot with a lot of data. I found many of the reports are buggy or just don't work.

FDQM – The Side Menu - Tools



- Tools

- Lock Point-of-View
- Unlock Point-of-View
- View Error Log
- Clear Error Log
- Script Editor

FDQM – The Side Menu – **Tools** (cont...)



Locked

- ONLY the current Location and Period in your POV bar is locked
- Prevent data from being loaded changed
- The user will see the hasp lock symbol on the POV when it is locked
- Administrators are exempt from locking

Unlocked

- ONLY the current Location and Period in your POV bar is unlocked
- Allows data to be loaded and changed
- No hasp symbol is visible

FDQM – The Side Menu – **Tools** (cont...)



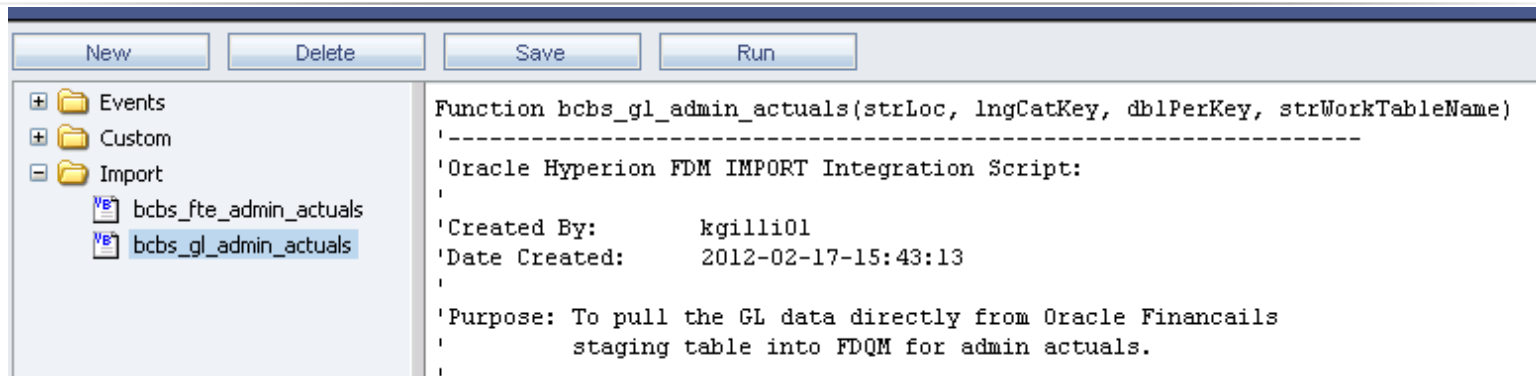
```
** Begin FDM Runtime Error Log Entry [2012-05-16-22:34:09] **
-----
ERROR:
Code..... -2147467259
Description..... ORA-00911: invalid character
SELECT PeriodDesc, PeriodKey
FROM tPOVPeriod
ORDER BY PeriodKey;

Procedure..... clsDataAccess.farsSnap
Component..... upsWDataWindowDM
Version..... 1111
Thread..... 7360

IDENTIFICATION:
User..... hypadmin
```

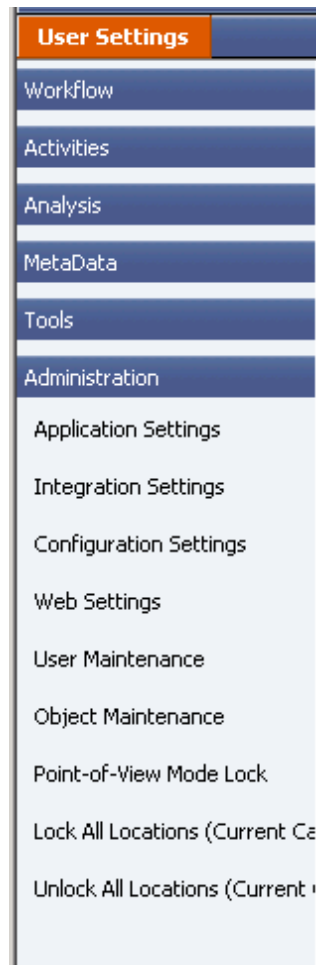
- Viewing the error log can help with identification of problems when building a new integration script
- When something goes wrong seek to view the error log
- Each users error log is stored – not one master error log
- e\$\FDMDATA\BluePlanFDM\Outbox\Logs
- Menu option to clear log completely deletes the file

FDQM – The Side Menu – **Tools** (cont...)



- Script editor might be handy for the brief edits / changes you want to make
- Prefer the workbench editor for heavy coding / script change
- Web does not have helper code like the Workbench

FDQM – The Side Menu - Administration



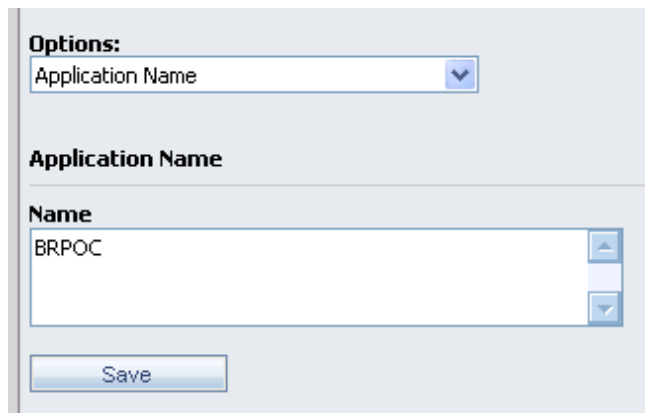
- Administration
 - Application Settings
 - Integration Settings
 - Configuration Settings
 - Web Settings
 - User Maintenance
 - Object Maintenance
 - Point-of-View Mode Lock
 - Lock All Locations
 - Unlock All Locations

Administration – Application Settings

A screenshot of a web-based application settings interface. It features a light blue background with a white border. At the top, the word "Options:" is in bold. Below it is a dropdown menu labeled "System Code" with a blue arrow icon. Further down, the text "System Code" is displayed in bold. Below this is another dropdown menu showing the value "ES11X-G4-E" with a blue arrow icon. At the bottom of the form is a blue "Save" button.

- A variety of settings to review and make decisions about
- Many of these settings are oriented around the Controls functionality and following the SOX compliance. This project did not have requirements around applying any SOX compliance controls.
- Default values work for this implementation

Administration – Integration Settings

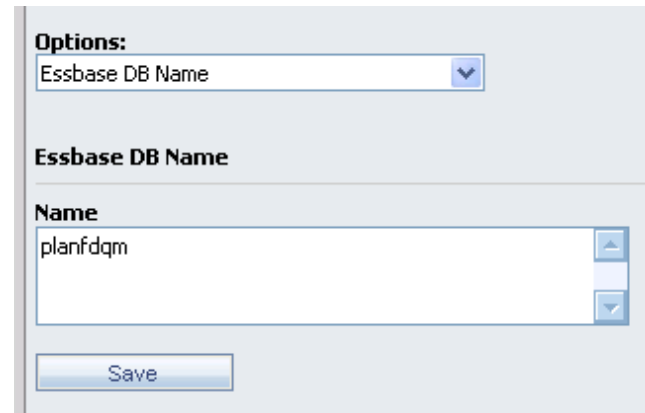


Options:
Application Name ▼

Application Name

Name
BRPOC

Save



Options:
Essbase DB Name ▼

Essbase DB Name

Name
planfdqm

Save

- Application name and Database name can easily be changed. I use this technique to take a copy of the actual Essbase database and copy to a development application. Once I have the development and mapping all create and finished I simply change the Application and Database name to the appropriate system.
- Be sure to go through each of the periods and delete the data from FDQM on the Import screen

Administration – Configuration Settings



Options:
Insert Batch Size ▼

Insert Batch Size

Rows
1000 ▼

Save

Options:
Allows custom description in period. ▼

Allows custom description in period.

☒ On/Off

On/Off
Period Description Override

- Validate database settings for space and performance needs – work with your DBA
- Allow custom descriptions for periods
- Used to help with integration to Oracle GL system

Administration – Web Settings



General Grid Theme Info Bar Cache

☒ Allow Status Bar Icons Override

Default Status Bar Icons:
Hyperion

☒ Allow Default Report Publish Type Override

Default Report Publish Type:
PDF

Select your default Language:
English (United States)[English - United States]

☐ Generate Debugging Information

- Status Bar Icons (gold fish option)
- Publish type PDF (why)
- Info bar Errors and timer settings

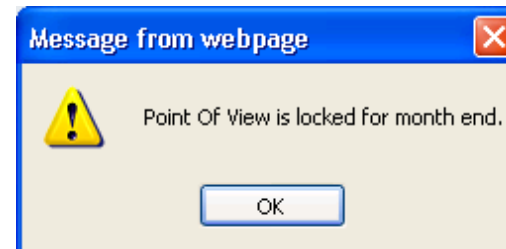
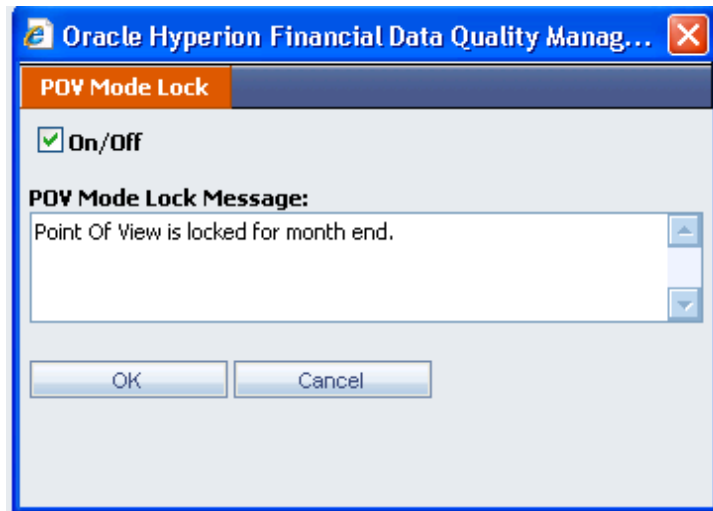
General Grid Theme Info Bar Cache

☒ Only Display Errors and Script Messages on Info Bar

Info Bar Timer (seconds):
5

Save

Administration – Point-of-View Mode Lock



- Use to keep users from changing the POV for processing
- Administrators are exempt from the lock
- Users will see Lock message if they try to change period or category in the POV bar

Administration – Lock/Unlock all Locations



Lock/Unlock All Locations

Lock current Category/Period for all locations?

Period: APR-11
Category: GL ACTUALS

- A way to quick lock all locations for the period and category to prevent data changing in FDQM.
- Administrators are exempt from the lock

Administration – Lock/Unlock System

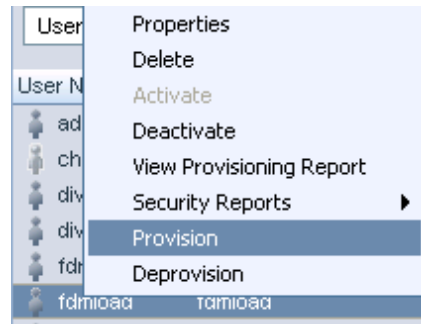


The image shows a screenshot of a web application interface. On the left, there are two buttons: "Open" and "Locked". The "Open" button is currently selected. To the right of these buttons is a large dialog box titled "Change System Lock Status". The dialog box has a light blue header bar with the title in white. Below the header, there is a section labeled "System Lock:" followed by a checkbox and the text "On/Off". The checkbox is currently unchecked. Below this is a section labeled "System Lock Message:" followed by a text area containing the text "The system is locked!". At the bottom of the dialog box are two buttons: "OK" and "Cancel".

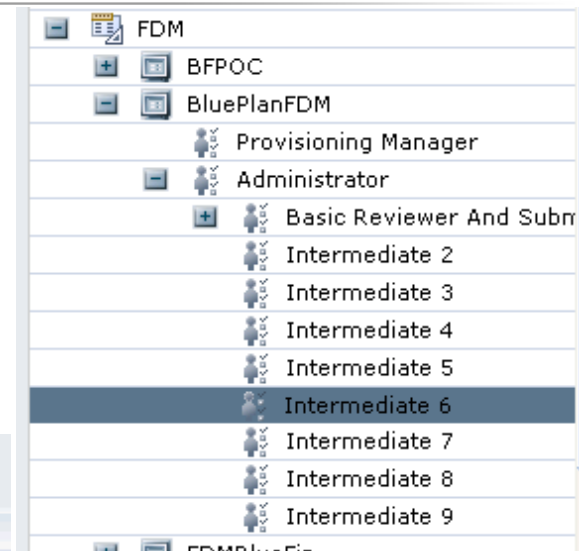
- Locking the system prevents users from logging into FDQM
- Administrators are exempt from the lock
- Used when performing system maintenance
- Click on the Open or Locked

Administration – User Maintenance

1



2



3

The following users were successfully provisioned to the following applications:

Application	Product	User(s)	Role(s)
BluePlanFDM	FDM-9.5.0	fdmload	Intermediate 6

- Before a user can be added to FDQM they first must be provisioned in Shared Services with the appropriate access level

Administration – User Maintenance (cont...)



New User	
Delete Update Grid	
User	Security Level
BLEDWI01	Administrator
FDMADMIN	Intermediate-2
FDMPROV	Intermediate-2
FDMUSER	Intermediate-9
HYPADMIN	Administrator
KGILLI01	Administrator

New User

Username:

OK

- Add user to FDQM and by selecting from the available user list

Administration – User Maintenance (cont...)



New User

User Level: Intermediate-6

Email Address:

☐ Auditor

Locations:

[Add](#) [Delete](#) [Update Grid](#)

Location	Default	Security Level
BLUEPLAN_FTE_ACTUALS	<input type="checkbox"/>	Not Assigned
BLUEPLAN_GL_ACTUALS	<input checked="" type="checkbox"/>	Not Assigned

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☐ Grant Access to All Locations

- Define users default location and any other locations
- Each location can have different security levels if provisioned from shared services

Administration – User Maintenance (cont...)



Delete Update Grid	
User	Security Level
BLEDWI01	Administrator
FDMADMIN	Intermediate-2
FDMLOAD	Intermediate-6
FDMPROV	Intermediate-2
FDMUSER	Intermediate-9
HYPADMIN	Administrator
KGILLI01	Administrator

- User can now login and access FDQM and perform functions given to them by their security level

Administration – Object Maintenance



Update Grid

Object	Caption
NAVIGATIONMENUS	Navigation Menus
NAVIGATIONMENUITEMS	Navigation Menu Items
MAPS FORM	Maps
IMPORT FORM	Import
CONTROLS GROUPS FORM	Controls Group
EXPORT/VALIDATE FORM	Export
IMPORT FORMATS FORM	Import Formats
LOGIC GROUPS FORM	Logic Groups

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Controls for Selected Object

Update Grid

Control	Type	Security Level
File	Link	All
Workflow	Link	Intermediate-6
Activities	Link	Administrator
Analysis	Link	Administrator
MetaData	Link	Intermediate-2
Tools	Link	Administrator
Administration	Link	Intermediate-2
Help	Link	All

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- Top portion defines menu and screens or screen areas
- Bottom portion is the element security level
- Not entirely straight forward but can be figured out with some time

Defects and Issues Before getting started

- Right out of the gate we encountered issues logging into FDQM. Although the consultant that performed the install verified the product we were not able to log into FDQM using our own user accounts. Learning how to provision the first user is key.

Defects and Issues Before getting started

- Opening the FDQM Workbench proved to have a new set of configuration challenges. Defining the connection type in the DCOM and IIS configuration will make life easier.

[ODM Solution/Action Plan]

- a) Start > run > DCOMCNFG
- b) Expand Component Services > Computers > My Computer > DCOM Config
- c) Locate the Essbase Adapter DCOM object "ES11xG5.clshyperwindowEB"
- d) Right-Click on the adapter and choose "properties"
- e) Click on the "identity" tab and change the radio button to "the launching user" and click Apply and OK
- f) Log back into the workbench and expand the target system adapters, right-click on the adapter and choose "configure" and the essbase adapter config screen will appear.

Defects and Issues Before getting started

- After finally establishing connectivity and building an application to populate an Essbase database we attempted our first drill down. Wow, that proved to be another challenge. Remember, in the configuration description of this project I mentioned the install is using **WebSphere**? Well, it turns out that in this configuration, FDQM web services **MUST** be installed on the Shared Services server.

[ODM Answer]

Websphere has limitations when serving web pages for Hyperion products against two IIS servers.

It can not direct to FDM IIS server and there is no plugin to re-direct to this page.

Have to move FDM web to the Shared Service Foundation server or change Websphere to Apache.

Defects and Issues Before getting started

- While building mappings it quickly became apparent that the data field sizes in FDQM are very limiting. Especially when integrating with Oracle GL where description fields can easily be 240 or other fields are 150, like descriptive flexfields. FDQM allows 75 characters for the dimension values and 20 characters for attribute dimensions. There are 2 description fields sized at 70 characters.

[ODM Answer]

This has been brought up with development as an enhancement. I can link that request to this case then close this case with the update that this is a noted enhancement request.

They do not have any listed timeline for this.

BUG 8623072

Defects and Issues Before getting started

- Started to work on user security. We created groups in shared services, provisioned the groups for FDQM and then added users to the groups. When we went to FDQM to add the user and/or group we could neither were there. Users are unable to access FDQM when provisioned via a group in Shared Services.

Is It Possible to Provision FDM Groups of Users in Shared Services? [ID 1072044.1]

Unpublished Enhancement request **8875822** has been created to request the possibility to use FDQM user groups in Shared Services.

Defects and Issues Before getting started

- With Drill Thru finally working we started to test further and research more and more. We are now finding that a drill from SmartView will only work with the Alias table set to NONE. Anything else and you will not be able to drill thru to FDQM.
- Oracle's position is: That is how the product works. Aliases are not supported for drill thru to FDQM.

[ODM Answer]

That is correct Aliases are not use for FDM drill back across the board.

[ODM Question]

When invoking FDQM drill back from SmartView with Ad-hoc Alias table set to DEFAULT it fails to return the data

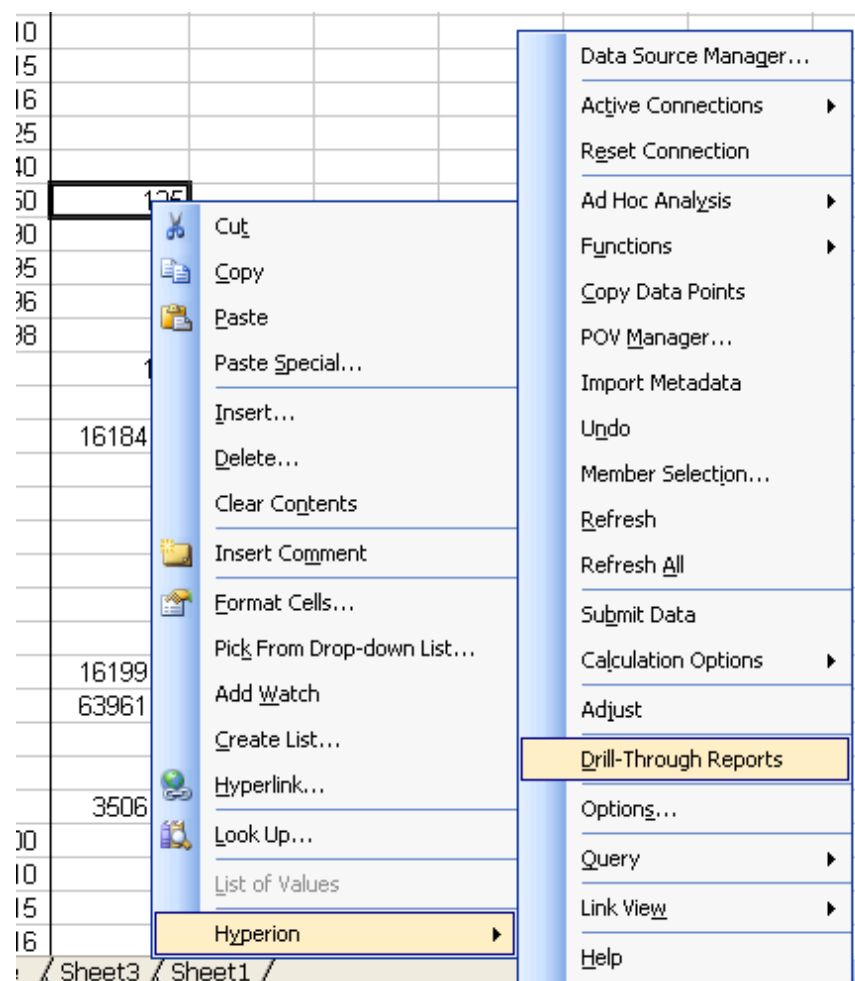
Defects and Issues Before getting started

- Level ZERO drill back is the only method that works. Our users have a requirement to drill down to GL transactions even when they are on a rollup summary member in Hyperion. This is not supported by FDQM.
 - After much research there are very few options available. I decided to attempt a prototype of a drill thru on my own.
 - This prototype works great. It works for Rollup levels, it works with Alias values as well. The users love it. It is extremely fast and can return full length description and attribute values from the GL source system rather than the FDQM database.
 - We are still in the Prototype mode working on licensing concerns of the technology used. Once we have the licensing solved we plan to production ready the solution.

Screen shots of our solution as a prototype follow

Drill thru from SmartView – FDQM method

- Build query so all dimensions are at Level ZERO
- Right Click and access the Hyperion → Drill-Through Report
- The next screen that appears is FDQM



Drill thru from SmartView – FDQM method



Drillback from Target System

Location	Category	Period	Scenario	Account	Line Item	Organization	Amount
BLUEPLAN_GL_AC	GL ACTUALS	JAN-11	ACTUAL	Ec	LINE ITEM1	C	125.00

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Summary

Location Summary: BLUEPLAN_GL_ACTUALS
Workflow Status:

Import Validate Export Check

Activity During previous 1 hour(s) Map: Import From XML

Status	Date	Start Time	End Time	User ID	Event Info.	Error Info.	IO Source
No items to display.							

Hey, here are some gold fish

This area has not been useful
For our implementation and seems
To be valuable space for data

Drill thru from SmartView – FDQM method



Oracle Hyperion Financial Data Quality Management, Fusion Edition							
Drill Down							
Export to Excel							
	Account Description	GL Account	JE Description	Vendor Name	GL Cost Center	Convert	Amount
--	CELLULAR PHONES	62	ADM- Accru Divisi Spect		4	<input type="checkbox"/>	125.00

Amount
125.00

- Show Attributes
- Show Conversion Rules
- Show Archive Information
- Open Source Document
- Open Processing Log
- Restore Source Document

Attributes Drill Up							
Batch Name	GL Company	Cost Center Description	JE Source	JE Category	GL Period	Inv Number	
AD Accrual Spreadsheet 2710171: A 129849		MA DIST ONIT	Spreadsheet	Accrual	JAN-11		

Drill thru from SmartView – FDQM method



E62750-ACTUAL----GL ACTUALS-JAN-11					
Partition:	BLUEPLAN_GL_ACTUALS				
User ID:	kgilli01				
PARTITIONKEY	CATKEY	PERIODKEY	JE Description	DESC2	CAL
750	13	2011 01 31 00:00:00	ADM II Expts 262 Bill Actual CRE	ADM II Expts 262 Bill Actual Speed	

Source Custom3	Source Custom4	Source Custom5	Source Custom6

4					
5	ATTR1	ATTR2	ATTR3	ATTR4	ATTR5
6					

AR	AS	AT	AU	AV	AW
ATTR14	Convert	Amount		DATAKEY	ARCHIVEID
	0	125	0	740094	1027

Drill thru from SmartView – FDQM method

2740	
2750	125
2790	
2795	
2796	
2798	
30	125
70	

- Now to show drill down from a summary level and show what FDQM does

Drill thru from SmartView – FDQM method



Drillback from Target System

Information Bar

Error: ~{No locations were found matching the passed intersection values. Please verify:
1) that the target system (originating the drillback) is properly configured;
2) that FDM POVs have not been retroactively modified or compromised.

Message (1 of 1) Close

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Summary

Location Summary:

Workflow Status:

Import	Validate	Export	Check

Activity During previous 1 hour(s)

No items to display

Not exactly the most graceful message
To display to the end user just because
They are at a rollup, non-level zero member

The same error is displayed if the user
has Alias tables set for their SmartView query

Prototype Drill Thru

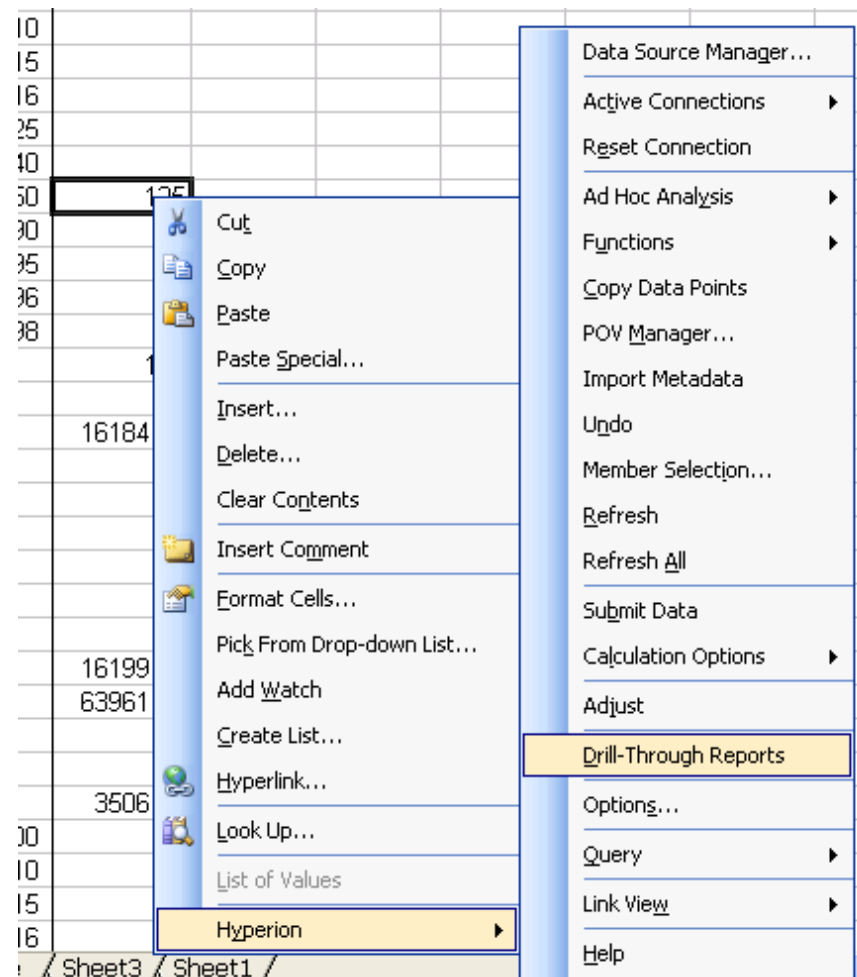


- Our prototype drill thru is solving multiple issues we have with the FDQM product.
 - Field truncation in FDQM is solved with the drill down going back to the original GL source transaction
 - Tailored extract to Excel of the drill thru results. No clutter and no unwanted fields of data are downloaded to Excel
 - Performance is solved as this solution is extremely fast and does not require the loading of FDQM which carries overhead that slows it down
 - Drill thru from both Financial Reports and SmartView
 - This solution also will resolve and allow drill thru using alias tables
 - Leveraged functionality at the Essbase level for Drill Thru definitions. Everything is out of the box except the web screen logic to connect the Essbase members with the hierarchy and source data.

Drill thru from SmartView – Prototype method



- Build query so all dimensions are at Level ZERO
- Right Click and access the Hyperion → Drill-Through Report
- The next screen that appears is FDQM



Drill thru from SmartView – Prototype method



2740	
2750	125
2790	
2795	
2796	
2798	
30	125
70	

- Now to show drill down from a summary level and show what FDQM does

Drill thru from SmartView – Prototype method



***** Period = Jan
***** Year = FY11
***** Cost Center = CC4443
***** Account = M62700
***** Use Alias = No

Actual results of drill down

Period	Company	Account	Cost Center	JE Description	Batch Name	Acct Description	Vendor Name	Invoice Number	Amount
JAN-11	40	62	44	AP MTHLY - CC4443 Acct MTHLY - CC4443 Divisions - Spectrum - J	2710171: A 129849	CP PROCES			125.00

***** Period = Jan
***** Year = 2011
***** Cost Center = CC [redacted] st Unit
***** Account = Maj A [redacted] ne Expenses
***** Use Alias = Yes

Actual results of drill down

Period	Company	Account	Cost Center	JE Description	Batch Name
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Recommendations for the next newbie

- Attend FDQM training
- If possible take an advanced FDQM scripting and report writing training class
- Secure resources that are familiar with DCOM, .NET, ASP and Visual Basic coding on Windows Platform.
- Keep in mind that FDQM has 3 basic stages: Imported data stage, Mapped stage, Export stage. Data from all of these stages will be stored in the relational database.
- Allow time for issue resolution with Oracle support.

Summary

- Seen FDQM in action
- Defects and issues to help you know what might be expected
- Working with functionality shortfalls
- Get training

- FDQM is very quick to build a mapping and be loading data into a database in a short period
- The mapping capabilities are very robust and scripting allows nearly any mapping rules to be defined

- Bridging gaps with innovation and ideas of a good project team



Kevin Gillins
kgillins@alaristechnology.com

FDQM Functionality – Does it meet your expectations?

Questions?

Oracle Applications Precision