
Oracle® Hyperion Financial Data Quality Management, Fusion Edition Adapter for Oracle Hyperion Financial Management

Release FM11x-G5-D1

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Purpose

This document includes important, late-breaking information about this release of the *Oracle® Hyperion Financial Data Quality Management, Fusion Edition* (FDM) adapter for *Oracle Hyperion Financial Management, Fusion Edition* (Financial Management) and the FDM Intercompany adapter for use with Financial Management. Review this information thoroughly before installing the adapter.

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Overview

Standard Adapter

The FDM adapter for Financial Management is a target adapter that allows users to load data from FDM into Financial Management.

Intercompany Adapter

FDM supports the loading of intercompany detailed transactions to Financial Management Intercompany Transaction Module. The FDM Intercompany adapter allows you to import, map, and load intercompany transactions at the invoice level.

Date Created:	08/05/2011
Adapter Versions:	FM11X-G5-D1.xml (Financial Management) FM11I-G5-D1.xml (Intercompany)
Compatibility:	See the <i>FDM 11.1.1.4 Readme</i> for FDM and Financial Management compatibility information.

Key Features of the Intercompany Module

- Imports, maps, and loads detailed intercompany transactional data to the Financial Management Intercompany Transaction Module.

- Supports all Financial Management Intercompany Transaction Module fields.
- Automatically attaches scanned invoices as memo items to detailed lines when importing A/R extracts.
- Employs the FDM standard validation reporting to verify that the intercompany transactions posted by the Intercompany Module match the ledger intercompany balances.
- Uses all of the FDM standard features:
 - User interface
 - Workflow process
 - Mapping capabilities
 - Validation reporting
 - Audit trail features

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Installation

This section includes important information about installing this release of the FDM Adapter for Financial Management.

> To add the Financial Management adapter to an FDM application:

1. From FDM Workbench, open an FDM application.
2. Select the **Adapters** tab.
3. Select **File > Import**.

The Open Metadata Import File dialog box is displayed.

4. Perform an action:
 - To install the Financial Management adapter, browse to find the file named `FM11X-G5-D1.xml`, and click **Open**.
 - To install the Intercompany adapter, browse to find the file named `FM11I-G5-D1.xml` and click **Open**.
5. Click **OK**.

The FDM adapter for Financial Management or Intercompany is displayed in the list of imported target adapters.

6. Select **File > Register Adapter**.

The Register Adapter dialog box is displayed.

7. Browse to find the file named `fdmFM11xG5D1.dll` and click **Open**.
8. Click **OK**.

9. Right-click on the adapter and select **Configure**.

The FDM Adapter COM Admin screen is displayed.

10. In the User Name, Password, Confirm Password, and Domain fields, enter the appropriate information for the FDM service account.

This should be the same user used to configure the other FDM components.

11. Click **OK**.

If the FDM application server component is installed on a machine without the FDM Workbench component, you must then set the identity on the COM+ adapter object to the service account being used for FDM by performing the following steps:

12. Open the Windows Run window and enter `dcomcnfg`.
The Component Services window is displayed.
13. Expand **Component Services**.
14. Expand **Computers**.
15. Expand **My Computer**.
16. Expand **COM+ Applications**.
17. Within COM+ Applications, find the adapter component (FM11xG5D1), right-click on the adapter object and select **Properties**.
18. Select the **Identity** tab.
19. Under Account, select **This user**.
20. Enter the username and password of the service account used by FDM.
21. Click **OK**.

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Configuration

> To configure the adapter:

1. In FDM Workbench, from the **Adapters** tab, select the adapter.
2. Right-click and select **Options**.

The Adapter Options dialog box is displayed. The Options menu enables you to select any of the options and change the option settings.

3. Set the adapter options per the guidelines in the following table:

Option Name	Information Required
Application Name (required)	Name of Financial Management application in which to load data. Must be a valid name in the Financial Management Win32 Client.
Logon Method	Select 1-Unified or 2-Global. Default setting is 1 – Unified. When set to Global, the UserID and Password values in the Global Logon Information Integration Setting will be passed to Financial Management every time. When set to Unified, the UserID, Password, and Domain values used to log into FDM are passed to Financial Management.
Global Logon Information	UserID and password for that is passed to Financial Management (format UID;PW). Only used if Logon method is set to 2 – Global.
Use SSO	On/Off switch to enable Hyperion Single Sign-On. Enable this option if logging on to FDM from a Financial Management link. Because the Financial Management link does not pass a user name and password, this indicates to FDM to retain the token in memory to pass back to Financial Management when the Logon Method integration setting is set to 1 – Unified. Default setting is off. Note: SSO is required to enable drill through from Financial Management.

Option Name	Information Required
Use Sticky Server	<p>On/Off used to force usage of one server for Load, Consolidate, and Check. This enables the Financial Management application server cache delay.</p> <p>Enable this option to help circumvent the Financial Management Application Server Cache Delay. When enabling this option, each Financial Management application server that participates in the cluster found in the machine profile must to be registered as an individual cluster in the Financial Management Win32 Client consisting of the server name as the cluster name with the Use One Server Only option checked on all FDM Application Servers. Default setting is off.</p>
Enable Intersection Validation	<p>On/Off switch used to enable Financial Management intersection validation report during the Validation step of the FDM workflow. Default setting is on.</p>
FDM Web Server Name	<p>Name of Web server on which FDM Web client is running (required only when the Intersection Validation Report is enabled).</p>
Use SSL	<p>On/Off switch to enable FDM the Web server SSL indicator. Only required if FDM Web Server uses SSL.. Default setting is Off.</p>
Enable Load	<p>On/Off switch used to enable Load action (occurs when running Export of the FDM workflow) Default setting is on.</p>
Enable Line Item Detail Loading	<p>On/Off switch used to enable the loading of Line Item Detail into Financial Management. See the Financial Management documentation for additional information on Line Item Detail.</p>
Enable Drillable Region Load	<p>On/Off switch used to enable or disable the loading of drillable region data to the target application. Disabling this option can improve performance. If drillable region data is not loaded to the target application, then you must set the drillable region manually in the target application to enable drill-through functionality.</p>
Enable Multi-Load Zero Loading (standard adapter only)	<p>On/Off switch used to allow zeros to be exported during Multiload.</p>
Enable Journal Loading	<p>On/Off switch used to enable loading of journals into Financial Management. Default setting is off. See the Financial Management Documentation for additional information about Journals.</p>
Enable Cell Text Loading	<p>Used to enable and disable the information contained in FDM memos to be sent to Financial Management as Cell Text. See the Financial Management documentation for detailed information regarding Cell Text. Default setting is off.</p>
Enable Consolidation	<p>On/Off switch used to enable automatic consolidation of data in Financial Management. Consolidations are based on the information set up in the FDM Validation Entities. The default setting is on. Additional information regarding consolidations is included in the Financial Management documentation.</p>
Enable Validation Report	<p>Used to enable and disable the automatic publication of the final report during the Check step of the FDM process flow. Publication is based on the rules defined in the FDM validation rules. Default setting is on.</p>
Enable Controls Review	<p>On/Off switch used to enable Controls Review Integration action. Default setting is off.</p>

Option Name	Information Required
Enable Process Mgmt	On/Off switch used to enable Financial Management Process Promotion following the FDM Controls Submit action. Default setting is off.
Enable Chain Load	On/Off switch used to enable FDM Chain Load Integration action. Default setting is off.
Enable Data Protection	Used to enable and disable the FDM functionality that assists in protecting data values currently stored in Financial Management loaded from other sources which could potentially be deleted by means of the Replace option. Other data entry methods for Financial Management and Replace functionality design is included in the Financial Management documentation. Default setting is off.
Protection Value	The value that is to be protected during the Load stage when Enable Data Protection is enabled. The value in this field is to be a dimension value inside of Financial Management across any dimension.
Protection Operator	Select operator (= or <>). This is used only when Enable Data Protection is enabled. The option allows you to state that the data to be protected is equal (=) or not equal (<>) the "Protection Value."
Force Calculate	On/Off switch used to enable calculation of cell prior to consolidation. Default setting is off.
Force Translate	On/Off switch used to enable Translation call prior to consolidation. Default setting is off.
Translation Level	Select Parent Currency, Parent Currency Total, Parent Currency Adj, Entity Currency, Entity Curr Total, or Entity Curr Adj). This option is only used when Force Translate is turned on. Default setting is Parent Currency.
Consolidation Type	Select 0-Impacted, 1-All With Data, 2-All, 3-Entity Only, or 4-Force Entity Only. Default setting is 0-Impacted.
Line Item Detail Load Type	Select 1-Summarized or 2-Load Detail. This option is only used when Line Item Detail Loading is turned on. Default setting is 2-Load Detail.
Journal Status	This option is only used when Loading Journals. Select 1-Working, 2-Submitted, 3-Approved, 4-Posted, or 5-Rejected. Default setting is 4-Posted. The value of Journal Status is the level the journals enter Financial Management. Detailed journal status information is included in the Financial Management documentation.
Journal Default Data Value	Select Contribution Adjs, Parent Adjs, Entity Curr Adjs, Parent Curr Adjs). This option is only used when Loading Journals. Default setting is <Entity Curr Adjs>.
Journal Enable JV ID Per Entity	On/Off switch used to control journal numbering (On = One ID for each entity in the POV, Off=One ID for all data in the POV). This option is only used when Loading Journals. Default setting is on.
Journal Load Balancing Attribute	Select B-Balanced, U-Unbalanced, or E-Balanced By Entity. This option is only used when Loading Journals. Default setting is U-Unbalanced.

Option Name	Information Required
List All Periods	Use this switch to enable and disable the listing of all periods from Financial Management into FDM to be used by the FDM Control Tables. By default (turned off), FDM only returns base-level periods for the FDM Control Tables.
Load Method	Select 0-Replace, 1-Merge, 2-Accumulate, or 3-Replace by Security). Default setting is 0-Replace.
Load Operation	Select 0-Load, or 1-Scan. Default setting is 0-Load.
List2 (Not Used)	n/a
List3 (Not Used)	n/a
Calc Switch (Not Used)	n/a
Accumulate in File	On/Off switch used to enable Calculate in File option. Default setting is on.
File Has Ownership Data	On/Off switch used to enable File Has Ownership Data option. Default setting is off.
Status3 (Not Used)	n/a

Note: The order of items listed in the preceding table may not display in the same order in the FDM UI for the Intercompany adapter.

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Single Sign-On Setup

Important: This procedure is only required if you are running FDM and Financial Management without Shared Services.

1. Create a Link to FDM in Financial Management

- a. From Hyperion Workspace, log in to a Financial Management application.
- b. Select Administration > Manage Documents.
- c. Click the **Links** tab.
- d. Click **New**.
The New Link page is displayed.
- e. In the **Link** field, enter the following: `http://<servername>/<wwwwwwwww>/AuthorizedPages/LogonPage.aspx?AppName=<xxxxxxxx>`, where:
 - <server name> is the web server address.
 - <wwwwwwwww> will be HyperionFDM for 9.3.1 and higher.
 - <xxxxxxxx> is the FDM application name (optional).
- f. Clear Tasklist opens link within same page.
- g. Check Include the Single Sign On information in page request.
- h. Click **Save**.
- i. Enter a name and description for the link and click **OK**.
The New Link screen closes and returns to the previous screen.
- j. Click **Cancel**.
The link to FDM now appears on the Manage Documents–Links screen.

2. Enable the FDM Load Balancer SSO Authentication Script

- a. From the FDM server, open the Load Balance Manager Configuration tool by selecting Start > All Programs > Oracle EPM System > Financial Data Quality Management > Load Balance Manager > Load Balance Configuration.
- b. From the **Authentication Providers** tab, click **Add**.
The Add Authentication Provider dialog box is displayed.
- c. From the Add Authentication Provider dialog box, select **Visual Basic Script SSO Authentication** and click **OK**.
The Visual Basic Script SSO Provider screen is displayed.
- d. In the **Description** field, enter a description.
- e. Delete the existing script contents and replace with the following:

```
Function AuthenticateSSO(token, applicationName)
    ' Place your single sign-on authentication script here
    ' To signify an authentication failure, you should
    ' Raise an error by calling the following method:
    ' Err.Raise [error number over 1000], [source], [description]

    Const strProcSig = "AuthenticateSSO"
    Dim strUsername
    Dim strDomain
    Dim objHFMSO
    Dim strClusterName ' HFM cluster name
    Dim strAppName ' HFM application name

    Set objHFMSO = CreateObject("fdmFM11xG5D1.clsFMAdapter")
    If Not objHFMSO Is Nothing Then
        strClusterName = "< HFM Cluster Name>"
        strAppName = "<HFM Application Name>"
        strUsername = objHFMSO.GetUsernameFromToken(CStr(Token),
            strClusterName, strAppName)

        If Trim(strUsername & "") = "" Then
            ' Blank user name means the token is invalid.
            Set objHFMSO = Nothing
            Err.Raise 2655, strProcSig, "The Single Sign-on token is
            invalid."
        Else
            ' Return the user name from the authenticated token.
            AuthenticateSSO = strUsername
        End If
    End If
    Set objHFMSO = Nothing

End Function
```

- f. Add more `Select Case` statements as necessary.
- g. Click **OK**.
The authentication providers are updated.
- h. From the **General** tab, re-enter the service account password and click **OK**.

3. Enable FDM to Pass Back the SSO Token to the Target System

- a. From FDM, select Administration > Integration Settings.
The Integration Settings screen is displayed.

- b. From **Options**, select **Use SSO**.
- c. Select **On/Off**.
- d. Click **Save**.

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Setting Up an Intercompany Location

1. Log in to the FDM Workbench and import in the FDM intercompany adapter (xml file).*
2. Configure machine profiles and integration settings using the same procedure for configuring the standard Financial Management adapter.*
3. Redefine custom 1-4 dimensions as they are defined in the main Financial Management adapter. Disable the intercompany dimensions that will not be used (optional).
 - The intercompany adapter contains all the pre-defined Financial Management intercompany fields.
4. Designate a FDM location as an intercompany detail location.
 - In the Locations screen, create a new location, and specify from Target Adapter the Intercompany adapter from the list.
 - When the Intercompany adapter has been assigned to a location, the location data will load to the Financial Management Intercompany Transaction Module upon export.
5. Change the FDM POV to the intercompany location and build an import format to read in all the Financial Management intercompany fields from the source extract files.**
 - Multiple import formats may be required for the same location depending on source file format (A/P file and A/R file, for example) and an event script is required to switch import formats before the import event fires.
 - Assign the import format to the intercompany location.
6. Build mapping tables for the intercompany location.
 - Mapping is also required for the pre-defined Financial Management intercompany fields. In most cases this would require a * to * map for the intercompany fields.
7. Modify the existing `ImportProcess` event script. This script attaches scanned invoices to the detail AR imported data by matching the invoice file names with the imported Transaction ID (optional).
1. Import, validate, and export intercompany-detailed data to the Financial Management Intercompany Transaction Module.

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Intercompany Module Process Overview

1. Import detailed intercompany data files into a FDM intercompany location.
2. Automatically attach scanned detail invoices to the imported source A/R intercompany detail lines.
3. Validate and fix mapping errors.
4. Export and load intercompany data into Financial Management Intercompany Transaction Module.
5. Perform matching and posting process within the Financial Management Intercompany Transaction Module for specified entities.
6. Investigate any non-matching transactions by reviewing details in the offsetting intercompany FDM location. Can review attached invoices if they were linked to the A/R intercompany source data lines during the import process.

Optional Steps

7. Perform normal GL import and load for associated non-intercompany FDM location.
8. Map general ledger intercompany accounts to Financial Management statistical accounts.
9. Run FDM validation report to verify that the intercompany account balances loaded using the Financial Management Intercompany Transaction Module tie out to the GL intercompany account balances loaded to statistical accounts.

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Known Issues

HFM Intercompany Adapter XML

Problem: Data records contain the transaction amount and all required fields, but the `Column_Order` line in the file header is missing the `TransAmt` field.

Solution: The Export Action needs to be modified with the following:

1. From within the FDM Workbench, locate the FM11I-G5-D1 adapter.
2. Expand the adapter, then expand Actions.
3. Double click the Export Action and Find the "*Current Code*".
4. Replace it with the "*Modified Code*".

"Current Code"

Remove the last:

```
strColumnOrder = Left(strColumnOrder, Len(strColumnOrder) - 1)
objFile.WriteLine(strColumnOrder)
```

"Modified Code"

Insert *TransAmt*:

```
strColumnOrder = strColumnOrder & "TransAmt"
objFile.WriteLine(strColumnOrder)
```

Financial Management Phased Submissions

Problem: Using the Phased Submissions feature in Financial Management when loading data from FDM can cause issues with audit trails and also result in failed loads. This is because after phase one is submitted, any subsequent loads of the same data will fail because of locked intersections. In addition, reloading of data in FDM to the same location will erase the audit trail of the previous export to Financial Management.

Solution: In order to preserve the audit trail and to avoid failed exports, Oracle recommends that you create a separate FDM location for each Financial Management phase. For example, a location named Texas would have locations named Texas1, Texas2, and Texas3 to load Texas for Phase 1, Phase 2, and Phase 3 respectively. Oracle also recommends separating the source data and the FDM maps by these phased locations.

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Notes

- Dimension names in FDM must be named exactly as they are named in Financial Management for the drill-through functionality to work correctly.

- Custom dimensions should never be disabled. If a custom dimension is not used in Financial Management, it must still be mapped to [None] so that FDM contains that information in the database. In order to map a dimension, it must be included in the import format.
- This adapter is compatible with 32-bit operating systems and 64-bit operating systems running in 32-bit emulation mode.
- #7704822 (enhancement request)—The adapter now honors the Financial Management user preference for the decimal symbol. During the Export action, the adapter retrieves the user's decimal preference from Financial Management and formats the Amount field accordingly.
- See the Oracle Hyperion Enterprise Performance Management System Certification Matrix (<http://www.oracle.com/technology/products/bi/hyperion-supported-platforms.html>) for information about localization for this adapter.
- See the FDM 11.1.1.4 Readme for additional information.

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