

How to Get the Best Out of OTBI Reporting for Financials Cloud – Tips and Techniques

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Purpose

The purpose of this White Paper is to share tips and techniques by answering frequently asked questions and make OTBI report authoring more efficient. The document is aimed at any role in a customer or partner organization chartered to develop OTBI reports in Oracle Financials Cloud.

Introduction

The following FAQ's have been compiled based on commonly encountered issues reported by Oracle Financials Cloud customers to the Oracle OTBI Product Development teams. They should not be seen by any means as exhaustive nor do they serve as alternative to product documentation. This is a living document and is expected to be updated with even more tips as more such feedback is received.

Frequently Asked Questions & Troubleshooting Tips

1. What are the common reasons that reports created from the 'General Ledger – Balance Real Time' subject area fail?

This subject area uses Essbase in the back end. To use this subject area, you need to:

- (i) apply required filters at report runtime,
- (ii) expose required attributes in the report, and
- (iii) run ESS programs to import Fusion data extensions for OTBI

Users may encounter the following issues if they miss any one of the required steps above.

- Reports return internal errors (nQSerror).
- Reports return incorrect results.
- User cannot select any data from dashboard prompts or filters.
- Reports return no rows.

The reports fail or return incorrect results without required filters and columns. Please make sure those pre-requisites are implemented in your report.

Here is the quick summary of the items you should check first:

Check Item	Dimension	Column
Required Filters	Ledger	Chart of Accounts
		Ledger Name*
	Time	Accounting Period Set Name
		Accounting Period Name*

Required Attributes**	Currency	Currency
	Amount Type	Amount Type
	Scenario	Scenario
	Ledger	Ledger Name*
	Time	Accounting Period Name*
Excluded Attributes	Time	Accounting Period Set Name***
	Currency	Currency Description****
	Ledger	Ledger Description****

* You need to either include this in the filter or add it as a displayed attribute.

** You can hide these attributes if necessary but need to include them in the report.

*** Please include “Accounting Period Set Name” only in the filter.

**** There is a known OBIEE limitation for these columns. The report could return incorrect results.

Please find below, specific error scenario and solutions to overcome

(a) Reports Return Internal Errors (nQSError)

This subject area has required filters “Time – (Fiscal Calendar) Name”, and “Ledger – Chart of Accounts”. For example, when you do not apply one of the required filters “Time – (Fiscal Calendar) Name”, the report return an error “You may be able to evaluate this query if you remove one of the following column references..”,

The screenshot shows a report configuration window with a 'Filters' section. The filters are listed as follows:

- LEDGER Name is equal to / is in Vision Operations (USA)
- AND CURRENCY Type is equal to / is in Entered
- AND ACCOUNTING Period Name is equal to / is in Dec-12
- AND APPS Local Currency Code is equal to / is in USD
- AND AMOUNT Type is equal to / is in PTD
- AND CHART of Accounts is equal to / is in Operations Accounting Flex
- AND SCENARIO is prompted

A red box highlights the error message: "No Filter on Fiscal Calendar Name".

Error Message:

Error
View Display Error
 You may be able to evaluate this query if you remove one of the following column references: Dim - Amount Type.AmountType, Dim - Date Fiscal Calendar.Fiscal Period, Dim - Date Fiscal Calendar.Fiscal Period Key, Dim - Date Fiscal Calendar.Fiscal Period Wid (HY000)

Error Details
 Error Codes: :U9IM8TAC:OI2DL65P

State: HY000. Code: 10058. [NQDDBC][SQL_STATE: HY000][nQSError: 10058] A general error has occurred. [nQSError: 43113] Message returned from OBIS. [nQSError: 43119] Query Failed: [nQSError: 14023] None of the fact sources for Dim - Amount Type.AmountType are compatible with the detail filter [Dim - Ledger.Chart Of Account = 'Operations Accounting Flex', Dim - Amount Type.AmountType = 'PTD', Dim - Currency.Apps Local Currency Code = 'USD', Dim - Date Fiscal Calendar.Fiscal Period = 'Dec-12', Dim - Currency Type.Currency Type = 'Entered', Dim - Ledger.Ledger Name = 'Vision Operations (USA)']. [nQSError: 14081] You may be able to evaluate this query if you remove one of the following column references: Dim - Amount Type.AmountType, Dim - Date Fiscal Calendar.Fiscal Period, Dim - Date Fiscal Calendar.Fiscal Period Key, Dim - Date Fiscal Calendar.Fiscal Period Wid (HY000)

SQL Issued: SET VARIABLE PREFERRED_CURRENCY=Local Currency;SELECT 0 s_0, "General Ledger - Balances Real Time":- AmountType:"AmountType" s_1, "General Ledger - Balances Real Time":"Time":"Fiscal Period" s_2, "AI" s_3, "Total" s_4, CASE WHEN ISLEAF("General Ledger - Balances Real Time":"Balancing Segment":"Balancing Segment") THEN 1 ELSE 0 END s_5, CASE WHEN ISLEAF("General Ledger - Balances Real Time":"Cost Center Segment":"Cost Center") THEN 1 ELSE 0 END s_6, CASE WHEN ISLEAF("General Ledger - Balances Real Time":"Natural Account Segment":"Natural Account Segment") THEN 1 ELSE 0 END s_7, DOF("General Ledger - Balances Real Time":"Balancing Segment":"Balancing Segment":"Total") s_8, DOF("General Ledger - Balances Real Time":"Cost Center Segment":"Cost Center":"AI") s_9, IDOF("General Ledger - Balances Real Time":"Natural Account Segment":"Natural Account Segment":"AI") s_10, SORTKEY("General Ledger - Balances Real Time":"Time":"Fiscal Period") s_11, "General Ledger - Balances Real Time":- Balance:"Beginning Balance" s_12, "General Ledger - Balances Real Time":- Balance:"Ending Balance" s_13, "General Ledger - Balances Real Time":- Balance:"Period Net Activity Credit" s_14, "General Ledger - Balances Real Time":- Balance:"Period Net Activity Debit" s_15 FROM "General Ledger - Balances Real Time" WHERE ((("Ledger":"Ledger Name" = 'Vision Operations (USA)') AND ("Currency Type":"Currency Type" = 'Entered') AND ("Time":"Fiscal Period" = 'Dec-12') AND ("Currency":"Apps Local Currency Code" = 'USD') AND ("Amount Type":"Amount Type" = 'PTD') AND ("Ledger":"Chart Of Account" = 'Operations Accounting Flex')) AND ((DOF("General Ledger - Balances Real Time":"Balancing Segment":"Balancing Segment":"Total") IS NOT NULL) AND (DOF("General Ledger - Balances Real Time":"Natural Account Segment":"Natural Account Segment":"AI") IS NOT NULL) AND (DOF("General Ledger - Balances Real Time":"Cost Center Segment":"Cost Center":"AI") IS NOT NULL)) FETCH FIRST 75001 ROWS ONLY

When you apply a filter for Fiscal Calendar Name:

Balancing Segment	Natural Account Segment	Cost Center Segment	Balance
▶ Balancing Segment ⚙	▶ Natural Account Segment ⚙	▶ Cost Center ⚙	▶ Beginning Balance ⚙

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking add button after selecting its name in the catalog pane.

- ▶ Ledger Name is equal to / is in Vision Operations (USA)
- AND ▶ Currency Type is equal to / is in Entered
- AND ▶ Accounting Period Name is equal to / is in Dec-12
- AND ▶ Apps Local Currency Code is equal to / is in USD
- AND ▶ Amount Type is equal to / is in PTD
- AND ▶ Balancing Segment Tree Filter is prompted
- AND ▶ Account Tree Filter is prompted
- AND ▶ Cost Center Tree Filter is prompted
- AND ▶ Chart of Accounts is equal to / is in Operations Accounting Flex
- AND ▶ **Name is equal to / is in Accounting**
- AND ▶ Scenario is prompted

Then, the report will complete successfully.

Balancing Segment	Natural Account Segment	Cost Center	Accounting Period	Beginning Balance	Period Net Activity Debit	Period Net Activity Credit
▶ Total	▶ All	▶ All	Dec-12	-2.0	2532221.1	2532221.1

Please make sure you apply the required filters.

(b) Cannot Find Fiscal Calendar in Choice List

Fiscal Calendar Name has two sources - ADF & Essbase. The column "User Period Set name" and "Period Set Name" are mapped to ADF and Essbase respectively. The choice list for Fiscal Calendar Name hits the ADF



objects. Your report may not return records if you use the choice list to specify the fiscal calendar filter. Currently you need to type in Period Set Name for Balance Real Time as workaround.

In the following example, the report has a filter on period set name "Accounting".

Time	Ledger	Currency	Balance
Name ⚙️	Accounting Period Name ⚙️	Ledger Name ⚙️	Apps Local Currency Code ⚙️
			Beginning Balance ⚙️
			Ending Balance ⚙️

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane header, add button after selecting its name in the catalog pane.

- Name is equal to / is in Accounting
- AND Accounting Period Name is equal to / is in Dec-09
- AND Chart of Accounts is equal to / is in Operations Accounting Flex
- AND Ledger Name is equal to / is in Vision Operations (USA)
- AND Apps Local Currency Code is equal to / is in USD

The report returns the following result, which is correct.

Name	Accounting Period Name	Ledger Name	Apps Local Currency Code	Beginning Balance	Ending Balance
Accounting	Dec-09	Vision Operations (USA)	USD	0	7.800

In the Choice List for (Fiscal Calendar) Name, you cannot find "Accounting". Instead, you see "user" period set name "AccountingMon1" for "Accounting".

Select Values

Available

Name Starts Accounting

Search Match Case

- Accounting RU
- AccountingMon1
- AccountingMon2
- AccountingMon3
- AccountingYear
- Accounting_VIV

Selected

When you use "AccountingMon1" instead of "Accounting" as the filter, the report does not return any row. You need to type in "Accounting" for the filter.

(c) Reports Return No Rows

Case 1: Missing Required Filters

Depending on your report definition, your report may complete successfully even when you do not apply the required filters.

Balance	Time
Period Net Activity Debit	Accounting Period
Filters	
Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on add button after selecting its name in the catalog pane.	
Accounting Period Name is equal to / is in Dec-12	

Report Output

Accounting Period	Period Net Activity Debit
Dec-12	

However, in this case, the report does not use Essbase. Instead, it retrieves data from a relational database source and may not return correct results. Please make sure you apply the required filters when using this subject area.

Note: If you do not use Ledger Name as filter, then you must add it as a selected column. Otherwise the report does not return data. The same applies to Accounting Period Name.

Case 2: Missing “Apps Local Currency Code” in Your Report

Suppose your report is missing “Apps Local Currency Code”.

Time	Natural Account Segment	Balance	
Accounting Period Name	Account Code	Beginning Balance	Ending Balance
Filters			
Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on add button after selecting its name in the catalog pane.			
Name is equal to / is in Accounting			
AND Chart of Accounts is equal to / is in Operations Accounting Flex			
AND Accounting Period Name is equal to / is in May-12			
AND Account Code is equal to / is in 1110			
AND Ledger Name is equal to / is in Vision Operations (USA)			

Even with correct filters, the report returns no rows.

No Results

The specified criteria didn't result in any data. This is often caused by applying filters and/or selection steps that are too restrictive or that contain incorrect values. Please check your analysis filters and selection steps, and try again. The filters or selection steps currently being applied are shown below.

Filters

Name is equal to / is in Accounting
 and Chart of Accounts is equal to / is in Operations Accounting Flex
 and Accounting Period Name is equal to / is in May-12
 and Account Code is equal to / is in 1110
 and Ledger Name is equal to / is in Vision Operations (USA)

Add "Apps Local Currency Code" to the report.

Time Currency Natural Account Segment Balance

Accounting Period Name Apps Local Currency Code Account Code Beginning Balance Ending Balance

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter by clicking on add button after selecting its name in the catalog pane.

Name is equal to / is in Accounting
 AND Chart of Accounts is equal to / is in Operations Accounting Flex
 AND Accounting Period Name is equal to / is in May-12
 AND Account Code is equal to / is in 1110
 AND Ledger Name is equal to / is in Vision Operations (USA)

Then it will return data.

Accounting Period Name	Apps Local Currency Code	Account Code	Beginning Balance	Ending Balance
May-12	USD	1110	3,202,547,837,587.36	3,200,268,587,779.36

*: Use "Currency" for newer releases.

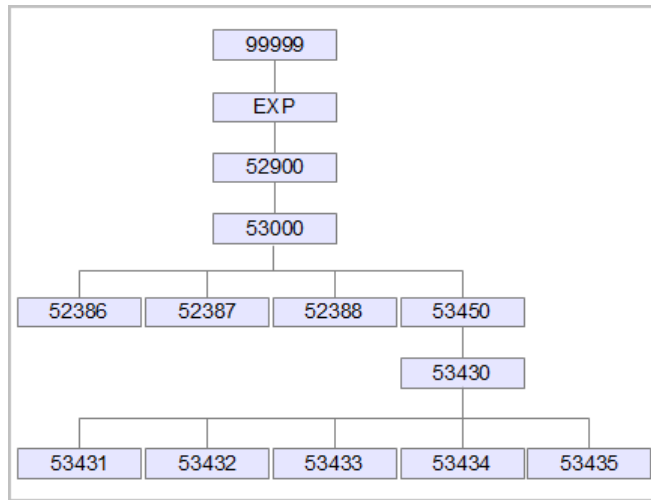
Case 3: Did Not Run ESS Programs to Import Fusion Data Extensions

You need to run the following ESS programs for each cube to import Fusion Data Extensions. Please make sure you have run them:

- Create Rules XML File for BI Extender Automation
- Import Oracle Fusion Data Extensions for Transactional Business Intelligence

Case 4: Filter for Ragged Hierarchies

When using ragged hierarchies in General Ledger – Balances Real Time, filters on the code column (e.g. Account Code) may result in no data returned.



You need to be aware of the following points:

- The code column (e.g. Account Code) returns the last level of the deepest hierarchy when your query retrieves data from Essbase.
- Dimension only queries hit ADF sources not Essbase. The ADF has a flattened hierarchy where the last level is repeated.
- Each GL segment has a default tree “All <GL Segment> Values” which has all the nodes added as children for this tree.

In the following example, Account 52386 is a leaf node of the ragged hierarchy but when you apply filter “Account Code is equal to / is in 52386”, the report does not return any data. This is because account 52386 is not at the last level of the hierarchy and Account Code is null for the balance record.

Ending Balance	Account Level 31 Code	Account Level 30 Code	Account Level 29 Code	Account Level 28 Code	Account Level 27 Code	Account Level 26 Code	Account Level 25 Code	Account Code	Account Tree Filter
729956.4	99999	EXP	52900	53000	52386				All VF Accounts-v1
1824839.6					52387				All VF Accounts-v1
2189874.2					52388				All VF Accounts-v1
8668287.9					53450	53430	53431	53431	All VF Accounts-v1
28285999.0							53432	53432	All VF Accounts-v1
2281112.8							53433	53433	All VF Accounts-v1
638897.2							53434	53434	All VF Accounts-v1
2098845.0							53435	53435	All VF Accounts-v1
91239.5							53436	53436	All VF Accounts-v1

On the other hand, if you run a dimension only query or do search in the filter for “Account Code”, you see all nodes at different levels.

Account Code
52386
52900
53000
53431
99999
EXP

This is because the query hits an ADF source instead of Essbase. If you select account 52386 from the choice list in the filter for the balance report (not dimension only queries), it does not return any data as Account Code is null for the balance row. The filter works only for the last level of the deepest hierarchy (e.g. 53431, 53432, and so on).

You can use the following methods:

1. Add "Level N Code" columns to the report. Apply filters on them.

Chart of Accounts is equal to / is in VF_USA_Accounting_Flexfield
AND Name is equal to / is in Vision Foods US
AND Ledger Name is equal to / is in Vision Foods - USA Ledger
AND Accounting Period Name is equal to / is in Oct-07
AND Account Level 27 Code is equal to / is in 52386
OR Account Level 25 Code is equal to / is in 53431
AND Account Tree Filter is equal to / is in All VF Accounts-v1

The report returns the following data:

Ending Balance	Account Level 31 Code	Account Level 30 Code	Account Level 29 Code	Account Level 28 Code	Account Level 27 Code	Account Level 26 Code	Account Level 25 Code	Account Code	Account Tree Filter
729956.4	99999	EXP	52900	53000	52386				All VF Accounts-v1
8668287.9					53450	53430	53431	53431	All VF Accounts-v1

The filtering could be challenging unless you are familiar with the tree structure.

2. Create a new column returning leaf nodes and apply filters on it.

Add a new column to your report with the following formula which returns leaf nodes. You need to change the expression based on the depth of your tree structure. The following example is for the case the last level is 25.

```

CASE
WHEN "Natural Account Segment"."Account Code" IS NULL THEN
  CASE
  WHEN "Natural Account Segment"."Account Level 25 Code" IS NULL THEN
    CASE
    WHEN "Natural Account Segment"."Account Level 26 Code" IS NULL THEN
      CASE
      WHEN "Natural Account Segment"."Account Level 27 Code" IS NULL THEN
        CASE
        WHEN "Natural Account Segment"."Account Level 28 Code" IS NULL THEN
          CASE
          WHEN "Natural Account Segment"."Account Level 29 Code" IS NULL THEN
            CASE
            WHEN "Natural Account Segment"."Account Level 30 Code" IS NULL THEN
              "Natural Account Segment"."Account Level 31 Code"
            
```

```

ELSE
    "Natural Account Segment"."Account Level 30 Code"
END
ELSE
    "Natural Account Segment"."Account Level 29 Code"
END
ELSE
    "Natural Account Segment"."Account Level 28 Code"
END
ELSE
    "Natural Account Segment"."Account Level 27 Code"
END
ELSE
    "Natural Account Segment"."Account Level 26 Code"
END
ELSE
    "Natural Account Segment"."Account Level 25 Code"
END
ELSE
    "Natural Account Segment"."Account Code"
END

```

This attribute (“Leaf”) returns leaf nodes for ragged hierarchies.

Ending Balance	Account Level 31 Code	Account Level 30 Code	Account Level 29 Code	Account Level 28 Code	Account Level 27 Code	Account Level 26 Code	Account Level 25 Code	Account Code	Leaf	Account Tree Filter
3548423.4	60003								60003	All Account Values
25338.6	60004								60004	All Account Values
506904.1	60041								60041	All Account Values
20276675.6	75555								75555	All Account Values
729956.4	99999	EXP	52900	53000	52386				52386	All VF Accounts-v1
1824839.6					52387				52387	All VF Accounts-v1
2189874.2					52388				52388	All VF Accounts-v1
8668287.9					53450	53430	53431	53431	53431	All VF Accounts-v1
28285999.0							53432	53432	53432	All VF Accounts-v1
2281112.8							53433	53433	53433	All VF Accounts-v1
638697.2							53434	53434	53434	All VF Accounts-v1
2098645.0							53435	53435	53435	All VF Accounts-v1
91239.5							53436	53436	53436	All VF Accounts-v1

By applying filters on “Leaf”,

```

AND CASE WHEN Account Code IS NULL THEN CASE WHEN Account Level 25 Code IS NULL THEN CASE WHEN
Account Level 26 Code IS NULL THEN CASE WHEN Natural Account Segment is equal to / is in 52386; 53431

```

You will see balances for the specified criteria irrespective of the node levels.

Ending Balance	Account Level 31 Code	Account Level 30 Code	Account Level 29 Code	Account Level 28 Code	Account Level 27 Code	Account Level 26 Code	Account Level 25 Code	Account Code	Leaf	Account Tree Filter
729956.4	52386								52386	All Account Values
8668287.9	53431								53431	All Account Values
729956.4	99999	EXP	52900	53000	52386				52386	All VF Accounts-v1
8668287.9					53450	53430	53431	53431	53431	All VF Accounts-v1

- Use tree “All <Segment Name> Values” and apply filter on “Level 31 Code”.

Each segment has a default tree called “All <Segment Name> Values”. For this tree, the Level 31 Code column returns all leaf nodes (again, you need to apply required filters to see them).

Chart of Accounts is equal to / is in VF_USA_Accounting_Flexfield
 AND Name is equal to / is in Vision Foods US
 AND Ledger Name is equal to / is in Vision Foods - USA Ledger
 AND Accounting Period Name is equal to / is in Oct-07
 AND Account Level 31 Code is equal to / is in 53431
 OR Account Level 31 Code is equal to / is in 52386
 AND Account Tree Filter is equal to / is in All Account Values

You just need to apply filters on Level 31 Code and Tree Filter.

Ending Balance	Account Level 31 Code	Account Level 30 Code	Account Level 29 Code	Account Level 28 Code	Account Level 27 Code	Account Level 26 Code	Account Level 25 Code	Account Code	Account Tree Filter
729956.4	52386								All Account Values
8668287.9	53431								All Account Values

2. How do I report on GL journals and their related Subledger journals (SLA)?

For given GL journals, you may want to view their corresponding SLA journals. The following steps describe the details to implement drill from a GL journal line to corresponding SLA journal lines.

The attribute names may vary depending on your OTBI version.

Step 1: Create a new GL journal report for filtering.

Create a new report to retrieve "General Ledger to Subledger Link Identifier". Add filters for "Journal Header Identifier" and "Journal Line Num" with operator "Is prompted".

GL Journal Filter Report Definition

Journal Line Details

General Ledger to Subledger Link Identifier

Filters

Add filters to the analysis criteria by clicking on Filter opti add button after selecting its name in the catalog pane.

Journal Header Identifier is prompted
 AND Journal Line Number is prompted

Step 2: Create a Subledger Journal report to which you want to drill.

Go to subject area "Subledger Accounting – Journals Real Time". Add a filter on "General Ledger to Subledger Link Table (GL SLA Link Table)" (= XLAJEL) as in the following screen shot.

SLA Journal Report Definition

Journal Source	Journal Details	Journals	
Journal Source Name	Journal Entry Description	Journal Line Accounted Amount DR	Journal Line Accounted Amount CR

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane add button after selecting its name in the catalog pane.

GL SLA Link Table is equal to / is in XLAJEL

AND General Ledger to Subledger Link Identifier is equal to any General Ledger to Subledger Link Identifier in GL Journals Filter

And then, create a filter based on the report “GL Journals Filter” created in Step 1.

Filter on General Ledger to Subledger Link Identifier

New Filter ? X

Column General Ledger to Sul *fx*

Operator is based on results of another analysis ▼

Saved Analysis /My Folders/GL Journals Filter Browse...

Relationship is equal to any ▼

Use values in Column General Ledger to Subledger Link ▼

Protect Filter

Journal Source	Journal Details	Journals	
Journal Source Name	Journal Entry Description	Journal Line Accounted Amount DR	Journal Line Accounted Amount CR

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the filter button in the Filter pane add button after selecting its name in the catalog pane.

GL SLA Link Table is equal to / is in XLAJEL

AND General Ledger to Subledger Link Identifier is equal to any General Ledger to Subledger Link Identifier in GL Journals Filter

Step 3: Expose “Journal Header Identifier” and “Journal Line Number” in your GL journal report.

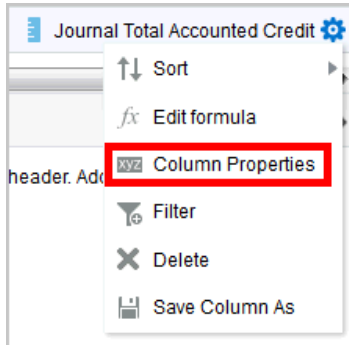
Modify your GL journal report to expose “Journal Header Identifier” and “Journal Line Number”.

GL Journal Report Definition

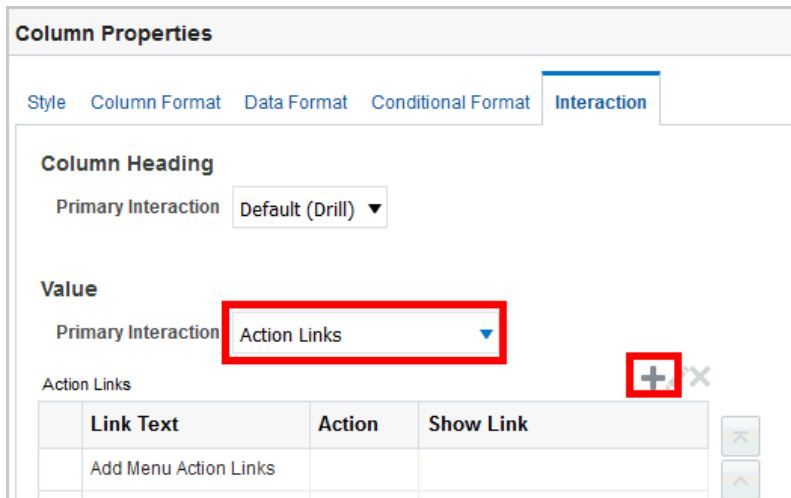
Header Details	Journal Line Details	Account	Journal Line Amounts
Journal Name	Journal Header Identifier	Journal Line Number	Concatenated Segments
			Journal Total Accounted Credit

Step 4: Add Action Links to Amount Columns

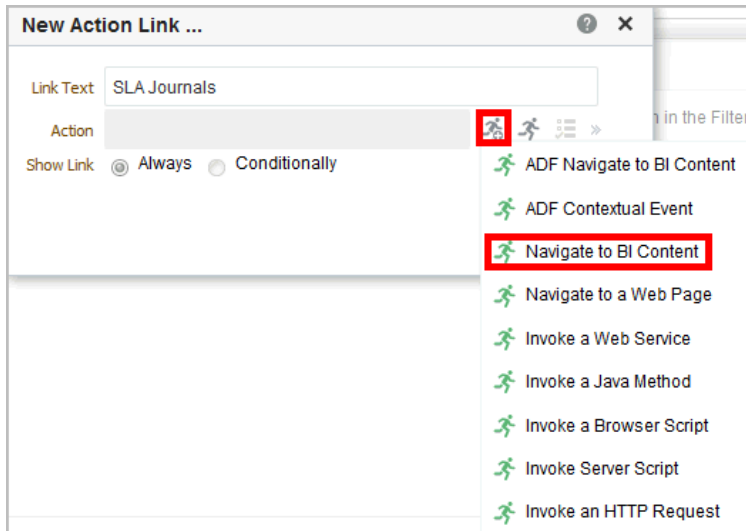
4.1. Open “Column Properties” on amount columns.



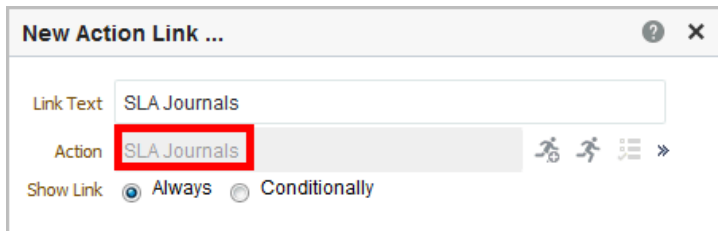
4.2. For “Value”, select Primary Interaction “Action Links” and click the plus sign (“Add Action Links”).



4.3. Enter Link Text (e.g. “SLA Journals”), click “+”, and then select “Navigate to BI Content”.



4.3. Select the target report “SLA Journals” you have created in step 2.



4.4. Click OK and save the report.

Report Run Time:

Run the GL journal report and click the amount column. Then, select the link text “SLA Journals”.

Journal Name	Journal Header Identifier	Journal Line Number	Concatenated Segments	Journal Total Accounted Debit	Journal Total Accounted Credit
Dec-09 Purchase Invoices	1709412	1	01-000-2210-0000-000		1000
	1709412	2	01-520-5320-0000-000	600	
	1709412	3	01-580-5320-0000-000	400	



You will see the details of the corresponding SLA entries.

Journal Source Name	Journal Line Number	Line Description	Journal Line Accounted Amount CR
Payables	2	IDC Share	400
	4	HQ Share	600

3. Why does my report fail when I include attributes from GL Segments?

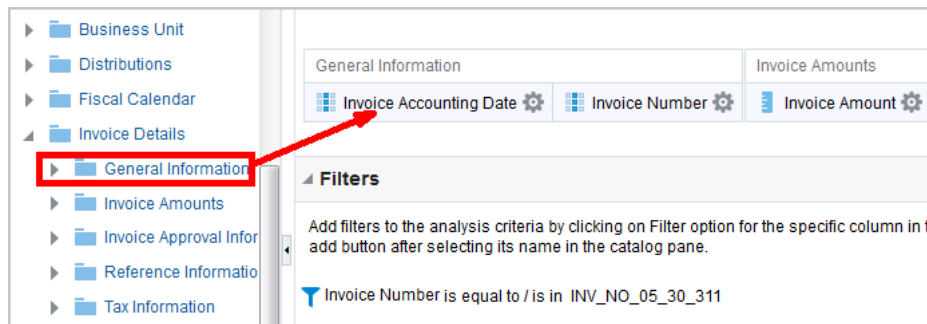
When you include GL segments (Balancing Segment, Natural Account, Cost Center, and so on), the report fails with nQSError 15018.

```
[nQSError: 10058] A general error has occurred. [nQSError: 43113] Message returned from OBIS. [nQSError: 43119] Query Failed: [nQSError: 15018] Incorrectly defined logical table source (for fact table Fact - Fins - Intercompany Transaction Distribution) does not contain mapping for [Dim - Balancing Segment.Balancing Segment Description].
```

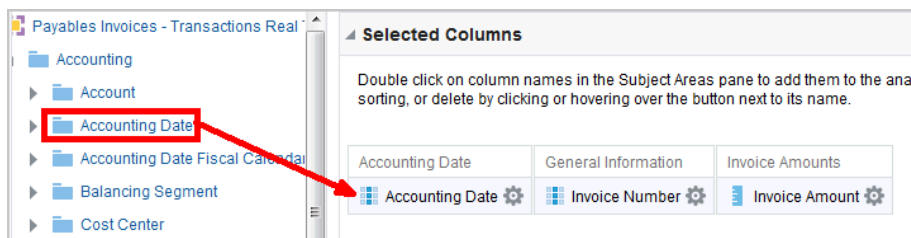
In this case, please make sure you have run ESS program "Import Oracle Fusion Data Extensions for Transactional Business Intelligence" to import flexfield related extensible data.

4. Why does my report take long when I add certain attributes?

- » Report attributes are sourced from tables with different levels of granularity. Adding certain attributes brings in a large table which affects the report performance. For example, in the following report, "Invoice Accounting Date" under "Invoice Details – General Information" is sourced from invoice headers.



If you replace "Invoice Accounting Date" with "Accounting Date" under "Accounting – Accounting Date", the report could take longer. This is because this new column brings in additional tables for subledger journal entries. If header information satisfies your requirement, in general, you better off not including attributes at more granular level in your report for better performance.



5. Why are my amounts getting multiplied in my AP reports?

- » When using filters on a report at a more detail level than the amounts and not including those filter columns as attributes of the report the amounts may multiply. For example, assume you have an invoice with (header) amount \$1,384 and approvers made multiple actions on the invoice. When the report has a filter on Approver like “Approver is equal to / is in Ted Brown; Mary Johnson”, then it returns invoice amount \$2,768 (= \$1,384 * 2).

Invoice Number	Invoice Amount
13886586412607	2768

If you add the more detail attributes (Approval Action and Approver) to the report, the amount does not multiply,

Invoice Number	Invoice Amount	Approval Action	Approver
13886586412607	1384	Initiated	Ted Brown
	1384	Reassign	Mary Johnson

6. Why are my amounts getting multiplied in my reports when I include GL segments?

- » When you define multiple tree versions for an attribute (e.g. Balancing Segments, Natural Account, and Cost Center), you need to add a filter to your report to specify a unique tree version. Otherwise, your amounts will be multiplied.

[Edit Journal]

Journal		Manual 1719476 21-AUG-2013 05:12:12		Currency		USD - US Dollar	
Description				Conversion Date		31/12/12	
Ledger		InFusion Foods USA		Conversion Rate Type		User	
Accounting Date		31/12/12		Conversion Rate		1	
Category		Adjustment_X		Inverse Conversion Rate		1	

Journal Lines							
Actions View Format + [Icons] Detach Wrap							
Line	* Account	Currency	Entered (USD)		Date	Rate Type	
			Debit	Credit			
1	3111-000-0000-0000-11010-0000-0000-0000	USD - ...	100.000.000,00		31/12/12	User	
2	3111-000-0000-0000-12010-0000-0000-0000	USD - ...		100.000.000,00	31/12/12	User	
Total			100.000.000,00	100.000.000,00			

[General Ledger – Journals Real Time: No filter on Tree]

Header Details	Account	Balancing Segment	Lines
General Ledger Journal	Concatenated Segments	Balancing Segment Code	Accounted Debit

Filters
Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the button after selecting its name in the catalog pane.
Ledger Name is equal to / is in InFusion Foods USA AND Concatenated Segments is equal to / is in 3111-000-0000-0000-11010-0000-0000-0000 AND Accounting Period Name is equal to / is in Dec-12
No Filter on Balancing Segment Tree

The report returns 400,000,000 instead of 100,000,000.

General Ledger Journal	Concatenated Segments	Balancing Segment Code	Accounted Debit
Manual 1719476 21-AUG-2013 05:12:12	3111-000-0000-0000-11010-0000-0000-0000	3111	400.000.000

[General Ledger – Journals Real Time: Filter on Tree]

Header Details	Account	Balancing Segment	Lines
General Ledger Journal ⚙	Concatenated Segments ⚙	Balancing Segment Code ⚙	Accounted Debit ⚙

Filters

Add filters to the analysis criteria by clicking on Filter option for the specific column in the Selected Columns pane, or by clicking on the button after selecting its name in the catalog pane.

- Ledger Name is equal to / is in InFusion Foods USA
- AND Concatenated Segments is equal to / is in 3111-000-0000-0000-11010-0000-0000-0000
- AND Accounting Period Name is equal to / is in Dec-12
- AND **Balancing Segment Tree Filter is equal to / is in All VF Companies-V3**

The report returns the correct debit amount after applying the tree filter.

General Ledger Journal	Concatenated Segments	Balancing Segment Code	Accounted Debit
Manual 1719476 21-AUG-2013 05:12:12	3111-000-0000-0000-11010-0000-0000-0000	3111	100.000.000

When the issue still persists after applying the tree filter, you may have defined duplicate nodes for the tree version. In this case, you need to either filter out one of the nodes in your report or fix the tree version to eliminate the duplicate entries.

Note: For 18C or later, please refer to the following note:

- White Paper 18C upgrade Uptake_v1 - Tree filters defined on chart of accounts segments in the filter condition of the analyses are getting timed out (Doc ID 2492388.1)

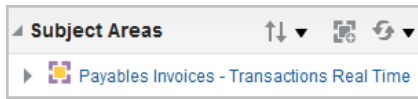
7. How do I create a report that shows AP invoices, corresponding payments, holds and installments?

» For given invoices, you may want to display payment information. The following steps describe the details to implement the report.

Note: All cross subject area rules must be applied here. See the following document for the details:

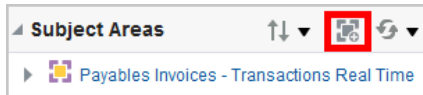
- Fusion Applications OTBI: Guidelines for creating cross subject area analyses in Oracle Transactional BI (OTBI) (Doc ID 1567672.1)

Step 1: Select subject area “Payables Invoices – Transactions Real Time”.

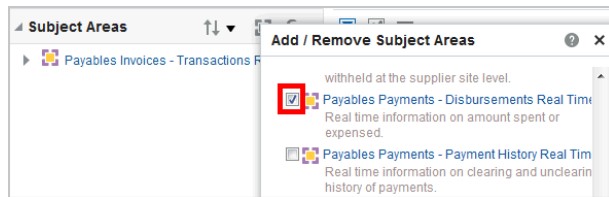


Step 2: Add subject area “Payables Payments – Disbursements Real Time”.

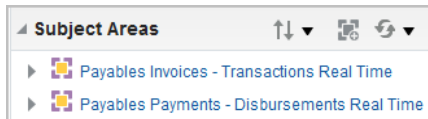
2.1. Click “Add / Remove Subject Areas”.



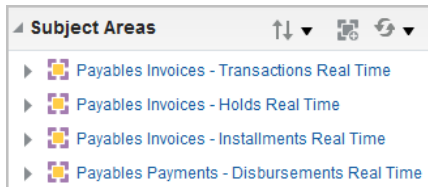
2.2. Select “Payables Payments – Disbursements Real Time” and click OK.



You will see the two subject areas.



2.3. Add subject area “Payables Invoices – Holds Real Time” and “Payables Invoices – Installments Real Time”.



Step 3: Add attributes to your report.

Example 1: Invoice, Payment, Hold, and Installment:

Subject Area	Folder	Column
Payables Invoices – Transactions Real Time	Invoice Details – General Information	Invoice Cancelled Date

		Invoice Date
		Invoice Description
		Invoice Created By
		Invoice Creation Date
		Invoice Number
		Invoice Received Date
		Invoice Type Code
	Invoice Details – Reference Information	Invoice Source Code
		Pay Group
		Payment Status Indicator
	Business Unit	Business Unit Name
	Supplier	Supplier
		Supplier Number
	Supplier Site	Site
	Invoice Details – Invoice Amounts	Invoice Currency
		Invoice Amount
Payables Payments – Disbursements Real Time	Payment Header Details - Payment Information	Payment Date
		Payment Status Code
	Payment Header Details – Payment Amounts	Payment Amount
Payables Invoices – Holds Real Time	Invoice Hold Details	Hold Date
		Hold Name
		Hold Reason
		Release Reason
		Hold Count
Payables Invoices – Installments Real Time	Invoice Installment Details	Installment Number
	Invoice Installment Amounts	Gross Amount

Example 2: Invoice Lines, Distributions and Payments:

Subject Area	Folder	Column
Payables Invoices – Transactions	Accounting – Accounting Date	Accounting Date

Real Time		
	Invoice Details – General Information	Invoice Date
		Invoice Entered Date
		Invoice Number
		Invoice Type Code
	Invoice Details – Invoice Amounts	Invoice Amount in Ledger Currency
		Invoice Amount
		Invoice Currency
		Ledger Currency
		Invoice Amount Paid
	Distributions – Invoice Distribution Details – General Information	Distribution Line Number
	Distributions – Invoice Distributions	Distribution Amount
	Invoice Lines – Invoice Line Amounts	Applied Prepayments in Ledger Currency
		Included Tax Amount
		Invoice Line Amount
		Withheld Amount in Entered Currency
		Withheld Amount in Ledger Currency
	Invoice Lines – Invoice Line Details – General Information	Invoice Line Type Code
		Invoice Line Number
	Invoice Lines - Item	Item Description
	Business Unit	Business Unit Name
	Supplier	Supplier
		Supplier Number
	Supplier Site	Site
Payables Payments – Disbursements Real Time	Payment Header Details - Payment Amounts	Payment Amount
	Payment Header Details – Payment Information	Payment Date
		Check Number



		Payment Type
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8. When I add a tree filter, my report becomes extremely slow. What should I do?

» Please remove tree filters from both the selected columns and the filters (**Exception: General Ledger Balances Real Time still requires the tree filters**).

For the details, please refer to the following document:

- White Paper 18C upgrade Uptake_v1 - Tree filters defined on chart of accounts segments in the filter condition of the analyses are getting timed out (Doc ID 2492388.1)

More FAQ's can be found in the OTBI Help Center accessible from Oracle Business Intelligence pages: Help -> Help Contents -> OTBI Help.



Miscellaneous Topics

Cross Subject Area Reports

Please refer to the following document:

- Fusion Applications OTBI: Guidelines for creating cross subject area analyses in Oracle Transactional BI (OTBI) (Doc ID 1567672.1)

BI Extension / Trees

Please refer to the following document:

- Fusion Financials OTBI : Setting up General Ledger (GL) Accounting Segments (Key Flexfields KFFs) for OTBI reporting (Doc ID 1980180.1)

Performance Tips

More often than not, end users need information to answer specific business questions that can be best met by targeted queries. You should avoid creating reports that return large data sets. The following is a list of tips which can be used as guidelines.

1. When large reports are needed, consider using Contextual Action Links to navigate to detailed reports from the main summarized report.
2. Avoid table prompts on columns with huge data volumes (e.g. Bill-to Customer Name).
3. Include sufficient filters for reports that need to show hierarchical dimensions,
4. When using attributes at various levels (Header, Line, Distribution, Accounting), ensure that there is at least one measure included in the report from each of the attributes at that level.
5. Use report filters that present summarized information. The following table shows the list of filters that should be applied on reports created from respective subject areas:

APPENDIX – Recommended Filters for Successful Reporting

Subject Area	Presentation Columns (* Required Filter)
General Ledger – Balance Real Time	<ul style="list-style-type: none"> » <i>Time - (Fiscal Calendar) Name*</i> » <i>Ledger - Chart of Accounts *</i>
General Ledger – Transactional Balances Real Time	<ul style="list-style-type: none"> » <i>Ledger – Ledger Name</i> » <i>Time – Accounting Period Name</i>
General Ledger – Journals Real Time	<ul style="list-style-type: none"> » <i>Ledger - Ledger Name</i> » <i>Time - Accounting Period Name</i> » <i>Natural Account Segment - Natural Account Segment</i>
Subledger Accounting – Journals Real Time	<ul style="list-style-type: none"> » <i>Ledger - Ledger Name</i> » <i>Journal Details – Header Period Name</i>
Payables Invoices – Hold Real time	<ul style="list-style-type: none"> » <i>Time – Month</i> » <i>Fiscal Calendar – Fiscal Period</i> » <i>Business Unit – Business Unit Name</i> » <i>Legal Entity – Legal Entity Name</i> » <i>Supplier – Supplier Name</i> or » <i>Invoice Details – General Information – Invoice Date (if you need to report on all of the Payables Invoices across all common dimensions.)</i>
Payables Invoices – Installments Real Time	Same as above.
Payables Invoices – Prepayment Applications Real Time	Same as above.
Payables Invoices – Transactions Real Time	Same as above.
Payables Invoices – Trial Balance Real Time	Same as above.
Payables Invoices – Withholding Real Time	Same as above.
Payables Payments – Disbursements Real Time	<ul style="list-style-type: none"> » <i>Time – Month</i> » <i>Fiscal Calendar – Fiscal Period</i> » <i>Business Unit – Business Unit Name</i> » <i>Legal Entity – Legal Entity Name</i> » <i>Supplier – Supplier Name</i>
Payables Payments – Payment History Real Time	Same as above.
Receivables – Adjustments Real Time	<ul style="list-style-type: none"> » <i>Time – Month</i> » <i>Fiscal Calendar – Fiscal Period</i> » <i>Business Unit – Business Unit Name</i> » <i>Legal Entity – Legal Entity Name</i> » <i>Bill-to Customer – Bill-to Customer Details – Bill-to Customer Name</i>
Receivables – Bills Receivable Real Time	<ul style="list-style-type: none"> » <i>Time – Month</i> » <i>Fiscal Calendar – Fiscal Period</i> » <i>Business Unit – Business Unit Name</i> » <i>Legal Entity – Legal Entity Name</i> » <i>Drawee – Drawee Details – Drawee Name</i>
Receivables – Credit Memo Applications Real Time	<ul style="list-style-type: none"> » <i>Time – Month</i> » <i>Fiscal Calendar – Fiscal Period</i> » <i>Business Unit – Business Unit Name</i> » <i>Legal Entity – Legal Entity Name</i> » <i>Bill-to Customer – Bill-to Customer Details – Bill-to Customer Name</i>

Receivables – Credit Memo Requests Real Time	Same as above.
Receivables – Customer Account Site Tax Profile Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Customer – Customer Information – Customer Name
Receivables – Customer Real Time	<ul style="list-style-type: none"> » Customer – Customer Information – Customer Name
Receivables – Customer Tax Profile Real Time	<ul style="list-style-type: none"> » Customer – Customer Information – Customer Name
Receivables – Miscellaneous Receipts Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Paying Customer –Paying Customer Details – Paying Customer Name
Receivables – Payment Schedules Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Bill-to Customer – Bill-to Customer Details – Bill-to Customer Name
Receivables – Receipt Conversion Rate Adjustments Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Paying Customer –Paying Customer Details – Paying Customer Name
Receivables – Receipts Details Real Time	Same as above.
Receivables – Revenue Adjustments Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Bill-to Customer – Bill-to Customer Details – Bill-to Customer Name
Receivables – Standard Receipts Application Details Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Paying Customer –Paying Customer Details – Paying Customer Name
Receivables – Transactions Real Time	<ul style="list-style-type: none"> » Time – Month » Fiscal Calendar – Fiscal Period » Business Unit – Business Unit Name » Legal Entity – Legal Entity Name » Bill-to Customer – Bill-to Customer Details – Bill-to Customer Name

Reference

- Fusion Applications OTBI: Guidelines for creating cross subject area analyses in Oracle Transactional BI (OTBI) (Doc ID 1567672.1)
- Fusion Financials OTBI : Setting up General Ledger (GL) Accounting Segments (Key Flexfields KFFs) for OTBI reporting (Doc ID 1980180.1)
- Fusion Applications OTBI/Essbase : General Ledger - Balances Real Time fails to Query The Essbase Cube, instead it queries the transactional database FSCM_OLTP (Doc ID 1965181.1)







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