

CREATING GL JOURNAL USING INTERFACE:

GL Journal Import

- ▶ Interface Type : Open Interface
 - ▶ Interface Table : GL_INTERFACE
 - ▶ Base Table : GL_JE_BATCHES, GL_JE_HEADERS, GL_JE_LINES
 - ▶ Import Job : Journal Import
-
- When referring to an Open Interface in the context of the GL (General Ledger) module, it typically means a mechanism or set of tables that allow you to import journal entries or other accounting data into the General Ledger system from external sources (like third-party applications, other Oracle modules, or custom applications).
 - Import Job refers to the process of bringing external data, typically journal entries.

TO LOAD THE DATA IN BASE TABLES WE HAVE TO LOAD THE DATA IN INTERFACE TABLE AND THEN RUN THE JOURNAL IMPORT PROGRAM.

Interface/Conversion-Guidelines

- DataFile - Format
- Periodicity(Frequency)
- Validation and Reprocessing
- Error Log Mechanism
- Purging the stage/interface tables
- Reconciliation Reports
- Performance

purging data from an interface table refers to the process of removing or deleting data that has already been processed or is no longer required in the interface table

1. CREATING TEST JOURNAL SO THAT WE CAN CHECK DATA IN BASE TABLE:

MAIN:

The screenshot displays the 'Enter Journals (Vision Operations (USA))' window. The title bar indicates 'Test-J2 01-MAY-2019 22:33:45'. The window is divided into several sections:

- Journal Information:** Journal (Test-J2), Description, Ledger (Vision Operations (L)), Period (Apr-19), Balance Type (Actual), Clearing Company, Journal Type (Standard), Category (Manual), Effective Date (30-APR-2019), Document Number, Tax (Not Required), and Control Total.
- Conversion:** Currency (USD), Date (30-APR-2019), Type (User), and Rate (1).
- Reverse:** Date, Period, Method (Switch Dr/Cr), Status (Not Reversed), and a Reverse button.
- Lines:** A table with columns: Line, Account, Debit (USD), Credit (USD), UOM, Qty, and Description.

Line	Account	Debit (USD)	Credit (USD)	UOM	Qty	Description
1	01-520-5360-0000-000	100.00				
2	01-520-5370-0000-000		100.00			

E.G. ACCOUNT==> [[

Journals (Vision Operations (USA)) - ONKAR_TEST 11-NOV-2024 12:43:34

Journal	ONKAR_TEST	
Description		
Ledger	Vision Operations (L)	Category Manual
Period	Nov-16	Effective Date 30-NOV-2016
Balance Type	Actual	Budget
Clearing Company		Tax Not Required
Journal Type	Standard	

Conversion

Currency USD

Date 30-NOV-2016

Type User

Rate 1

Reverse

Date	
Period	
Method	Switch Dr/Cr
Status	Not Reversed
<button>Reverse</button>	

Line	Account	Other Information
1	01-520-5360-0000	
2		

Operations Accounting Flex
Account Alias

Acct Desc

[Post][AutoCopy Batch...][Approve][Line Drilldown...][T Accounts...]

[Check Funds][Reserve Funds][View Results][Change Period...][Change Currency...]

Find%

Account Alias	Description
CC422	COGS for DBI CC422
CC430	COGS for DBI CC430
CC440	COGS for DBI CC440
CC450	COGS for DBI CC450
Cash	Cash Account, Template Alias
Employee Exp.	Miscellaneous Employee Expenses, Complete Alias
Miscellaneous	MFG-Miscellaneous Manufacturing Transactions
OH Absrp Var.	MFG-Overhead Absorption Variance, Template Alias
Out.Proc.Var.	MFG-Outside Processing Variance, Template Alias
Payables	Payables
Phys.Inv.Adj.	MFG-Physical Inventory Adjustment, Template Alias
Property Tax	Property Tax Expense, Complete Alias
Receivables	Receivables

[Find] [OK] [Cancel]

The screenshot shows the SAP Query Builder interface. The query editor displays the following SQL statement:

```
SELECT * FROM GL_JE_HEADERS WHERE NAME LIKE 'ONKAR_T%'
```

The query has been executed successfully, and the results are displayed in the "Query Result" pane. The results show one row of data:

JE_HEADER_ID	LAST_UPDATE_DATE	LAST_UPDATED_BY	LEDGER_ID	JE_CATEGORY	JE_SOURCE	PERIOD_NAME	NAME	CU
1	7104920 11-NOV-24	1014811	1	167	Manual	Nov-16	ONKAR_TEST	USD

The status bar indicates "All Rows Fetched: 1 in 0.014 seconds".

]]

2. INSERTING VALUES IN INTERFACE TABLE(GL_interface):

The screenshot displays a SQL Query Builder window. The main area contains an SQL script with an INSERT statement into the GL_INTERFACE table. The script includes a comment '--01-520-1630-0000-000' and a values list with various fields. Below the script, a 'Query Result' tab is active, showing a table with 12 columns and 20 rows of data. The columns are STATUS, LEDGER_ID, ACCOUNTING_DATE, CURRENCY_CODE, DATE_CREATED, CREATED_BY, ACTUAL_FLAG, USER_JE_CATEGORY_NAME, USER_JE_SOURCE_NAME, CURRENCY_CONVERSION_DATE, ENCUMBRANCE_TYPE_ID, and BUDGET_VERSION_ID. The rows show data for various ledger IDs and dates, with the last row (row 20) highlighted in blue.

```
INSERT INTO gl_interface
(
  STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,
  USER_JE_CATEGORY_NAME, ACCOUNTING_DATE,
  CURRENCY_CODE,
  DATE_CREATED, CREATED_BY,
  SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4,
  SEGMENT5,
  ACTUAL_FLAG, ENTERED_DR, ENTERED_CR,
  GROUP_ID , SET_OF_BOOKS_ID
)
--01-520-1630-0000-000
values (
  'U', 1, 'Manual',
  'Manual', sysdate, 'USD',
  sysdate, 1014811,
  '01', '520', '1630', '0000', '000' ,
  'A', 0, 100 , 12345 ,-1
) ;

SELECT * FROM GL_INTERFACE;
```

STATUS	LEDGER_ID	ACCOUNTING_DATE	CURRENCY_CODE	DATE_CREATED	CREATED_BY	ACTUAL_FLAG	USER_JE_CATEGORY_NAME	USER_JE_SOURCE_NAME	CURRENCY_CONVERSION_DATE	ENCUMBRANCE_TYPE_ID	BUDGET_VERSION_ID	USE
12 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
13 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
14 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
15 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
16 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
17 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
18 EP01	111-NOV-24	USD	21-MAR-19	1014723 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
19 NEW	111-NOV-24	USD	11-NOV-24	1014811 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:
20 U	111-NOV-24	USD	11-NOV-24	1014811 A	Manual	Manual	(null)	(null)	(null)	(null)	(null)	(nu:

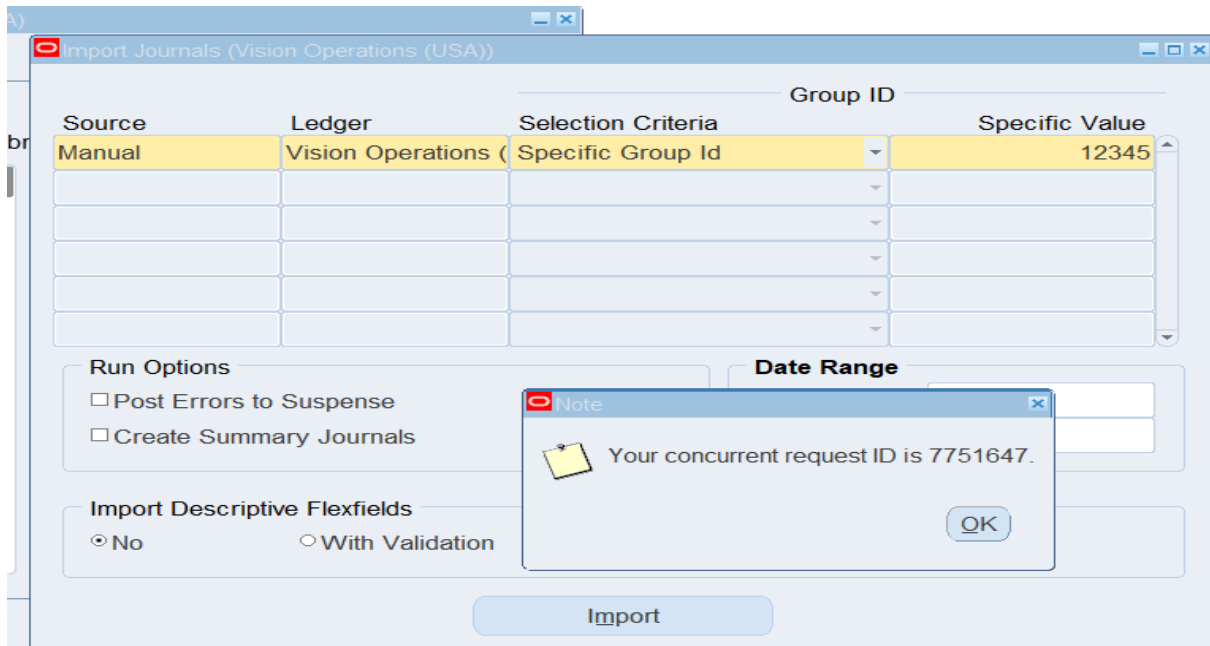
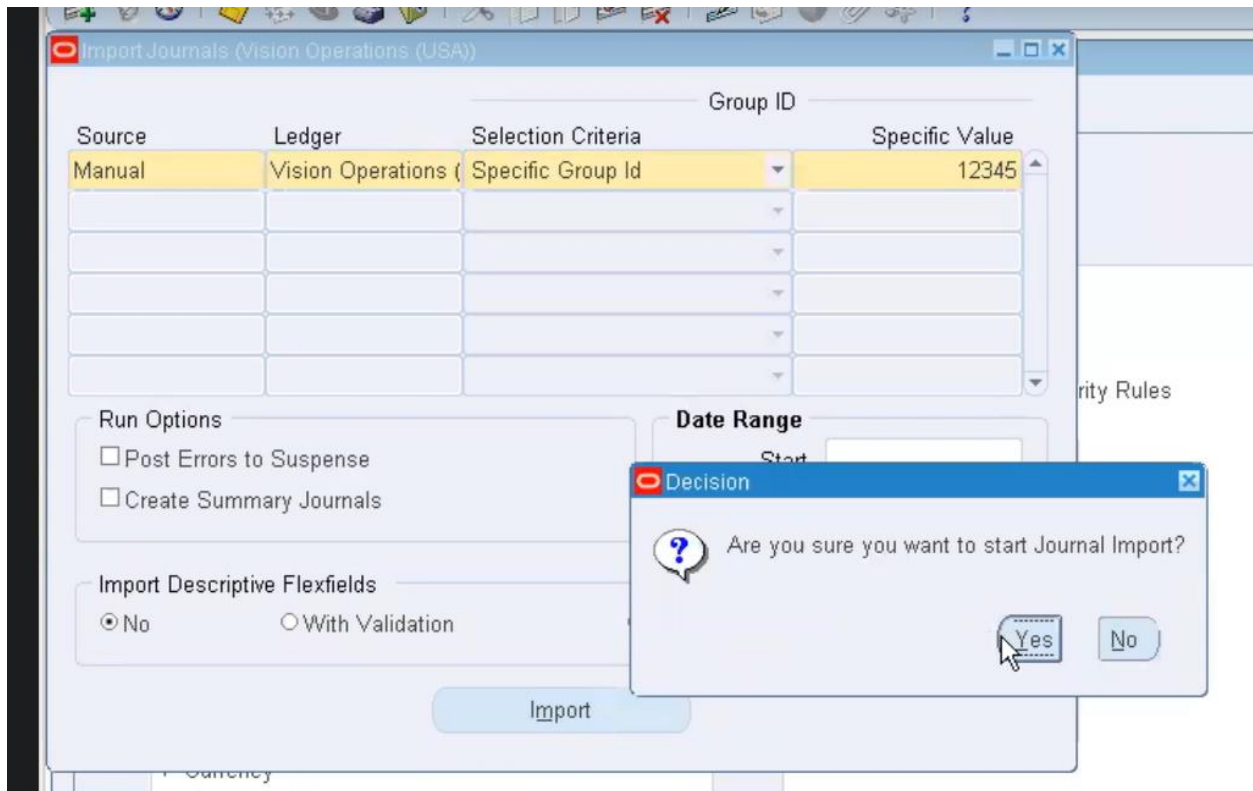
INSERT INTO gl_interface (STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,
USER_JE_CATEGORY_NAME, ACCOUNTING_DATE, CURRENCY_CODE, DATE_CREATED,
CREATED_BY, SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4, SEGMENT5,
ACTUAL_FLAG, ENTERED_DR, ENTERED_CR, GROUP_ID , SET_OF_BOOKS_ID)

--01-520-1630-0000-000 values ('NEW', 1, 'Manual', 'Manual', sysdate, 'USD', sysdate,
1014723, '01', '520', '1630', '0000', '000', 'A', 0, 100 , 12345 ,-1) ;

3. RUN THE 'GL INTERFACE IMPORT PROGRAM' :

GL Interface Import program plays a critical role in ensuring that the data is correctly prepared, validated, and ready for posting into the GL.

GENERAL LEG, VISION OP.(USA) >JOURNALS> IMPORT>RUN



VIEW OUTPUT AND COPY THE BATCH NAME AND THEN GO TO 'JOURNALS>ENTER':

[illegible]

CLICK REVIEW JOURNAL:

Step2

- ▶ Load Data into staging table using : SOLLoader
 - ▶ Load Data into Interface table by using :INSERT statement
- insert into gl_interface select * from XXABC_GL_INTF_STG ;*

CTRL FILE:

```
GLData.csv  XXABCLoadGLData.ctl
1 LOAD DATA
2 INFILE '/oraAS/oracle/VIS/apps/apps_st/appl/fnd/12.0.0/bin/GLData.csv'
3 TRUNCATE INTO TABLE XXABC_GL_INTF_STG
4 FIELDS TERMINATED BY','
5 OPTIONALLY ENCLOSED BY'"'
6 TRAILING NULLCOLS
7 (
8     STATUS,
9     LEDGER_ID,
10    USER_JE_SOURCE_NAME,
11    USER_JE_CATEGORY_NAME,
12    ACCOUNTING_DATE SYSDATE,
13    CURRENCY_CODE,
14    DATE_CREATED DATE "DD-MON-YYYY",
15    CREATED_BY,
16    SEGMENT1,
17    SEGMENT2,
18    SEGMENT3,
19    SEGMENT4,
20    SEGMENT5 ,
21    ACTUAL_FLAG,
22    ENTERED_DR,
23    ENTERED_CR,
24    GROUP_ID ,
25    SET_OF_BOOKS_ID CONSTANT "-1"
26 )
```

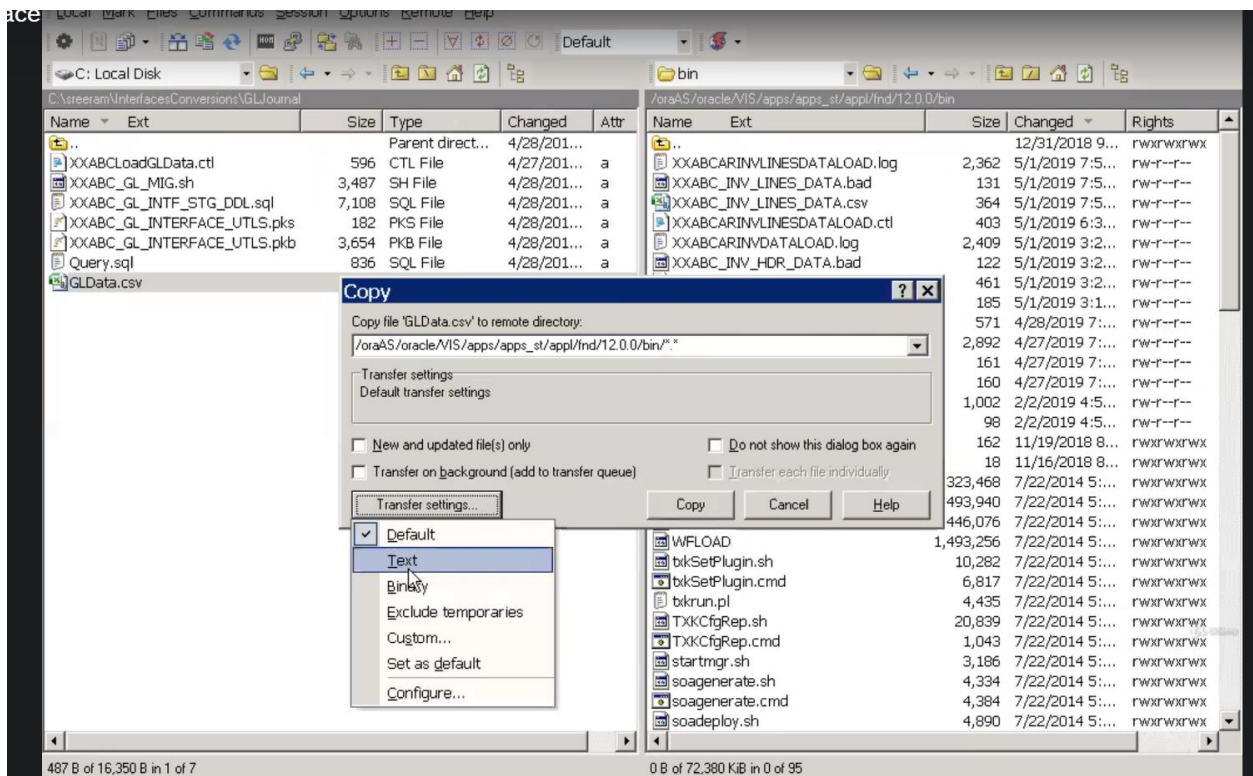
DATA FILE:


```

1 NEW,1,Manual,Manual,USD,21-MAR-2019,1014723,01,530,5260,0000,000,A,0,100,12345,
2 NEW,1,Manual,Manual,USD,21-MAR-2019,1014723,01,520,1630,0000,000,A,100,0,12345,
3 NEW,1,Manual,Manual,USD,21-MAR-2019,1014723,01,530,5260,0000,000,A,0,100,12345,
4 NEW,1,Manual,Manual,USD,21-MAR-2019,1014723,01,520,1630,0000,000,A,100,0,12345,
5 NEW,1,Manual,Manual,USD,21-MAR-2019,1014723,01,530,5260,0000,000,A,0,100,12345,
6 NEW,1,Manual,Manual,USD,21-MAR-2019,1014723,01,520,1630,0000,000,A,100,0,12345,

```

LOCAL TO SERVER: (DATA FILE SHOULD BE IN TEXT FORMAT)



NOW RUN THE CONC PROGRAM FOR SQLLOADER FILE:



DATA LOADED IN STAGING TABLE:

```

2
3 select * from XXABC_GL_INTF_STG ;
4
5 delete from gl_interface;
6
7 delete from XXABC_GL_INTF_STG ;

```

Script Output x Query Result x

All Rows Fetched: 6 in 0.031 seconds

	STATUS	LEDGER_ID	ACCOUNTING_DATE	CURRENCY_CODE	DATE_CREATED	CREATED_BY	ACTUAL_FLAG	USER_JE_CATEGORY_NAME
1	NEW	1	01-MAY-19	USD	21-MAR-19	1014723A		Manual
2	NEW	1	01-MAY-19	USD	21-MAR-19	1014723A		Manual
3	NEW	1	01-MAY-19	USD	21-MAR-19	1014723A		Manual
4	NEW	1	01-MAY-19	USD	21-MAR-19	1014723A		Manual
5	NEW	1	01-MAY-19	USD	21-MAR-19	1014723A		Manual
6	NEW	1	01-MAY-19	USD	21-MAR-19	1014723A		Manual

NOW THIS RECORDS FROM STAGING TABLE SHOULD BE COPIED INTO OUR GL INTERFACE TABLE FOR THAT WE HAVE PLSQL API:

Code History

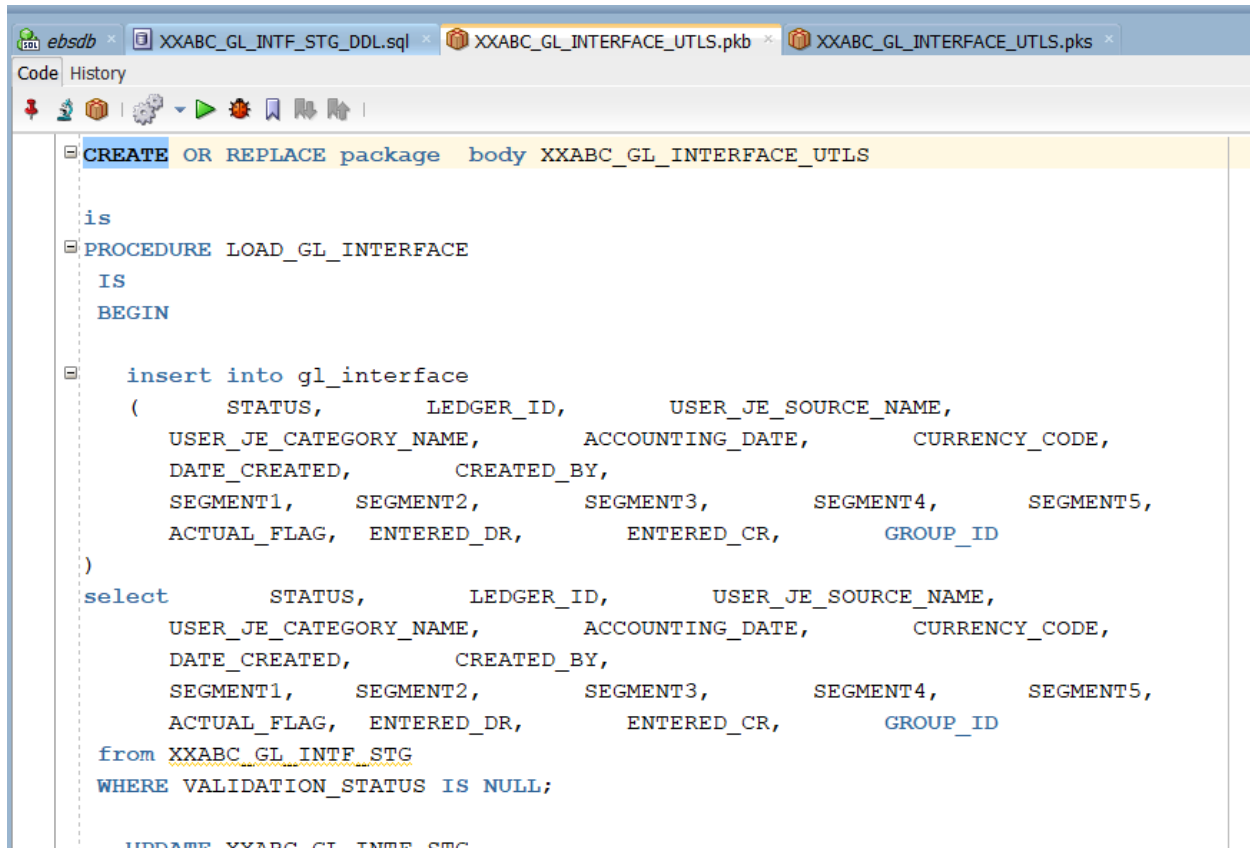
```

Create or replace package XXABC_GL_INTERFACE_UTLS
IS
PROCEDURE IMPORT_JOURNAL_PROC

(
    errbuf VARCHAR2,
    retcode VARCHAR2 );

END XXABC_GL_INTERFACE_UTLS ;
/
EXIT;

```

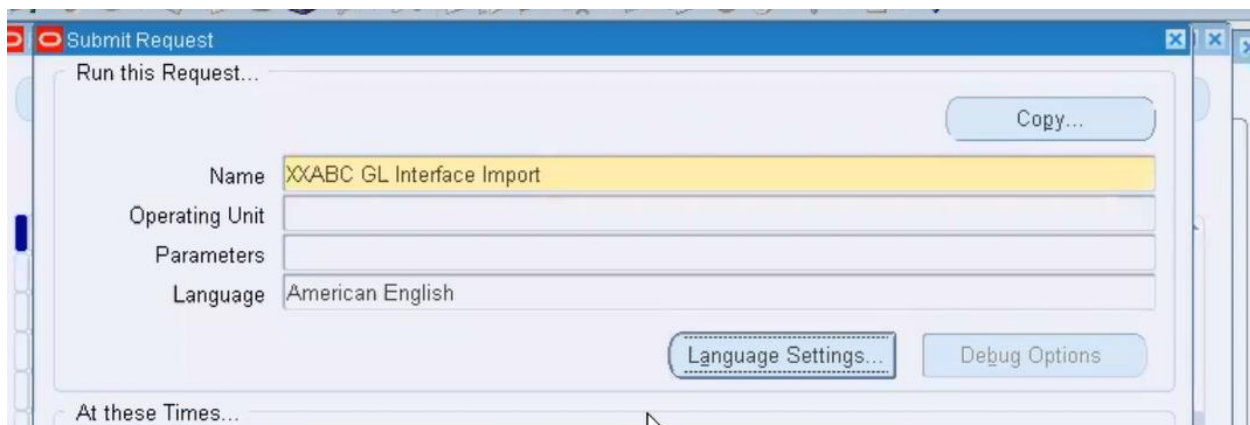


```
CREATE OR REPLACE package body XXABC_GL_INTERFACE_UTLS
is
PROCEDURE LOAD_GL_INTERFACE
IS
BEGIN

insert into gl_interface
(
STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,
USER_JE_CATEGORY_NAME, ACCOUNTING_DATE, CURRENCY_CODE,
DATE_CREATED, CREATED_BY,
SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4, SEGMENT5,
ACTUAL_FLAG, ENTERED_DR, ENTERED_CR, GROUP_ID
)
select
STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,
USER_JE_CATEGORY_NAME, ACCOUNTING_DATE, CURRENCY_CODE,
DATE_CREATED, CREATED_BY,
SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4, SEGMENT5,
ACTUAL_FLAG, ENTERED_DR, ENTERED_CR, GROUP_ID
from XXABC_GL_INTF_STG
WHERE VALIDATION_STATUS IS NULL;

UPDATE XXABC_GL_INTF_STG
```

NOW RUN THE PLSQL CONC PROGRAM:



Submit Request

Run this Request...

Copy...

Name: XXABC GL Interface Import

Operating Unit:

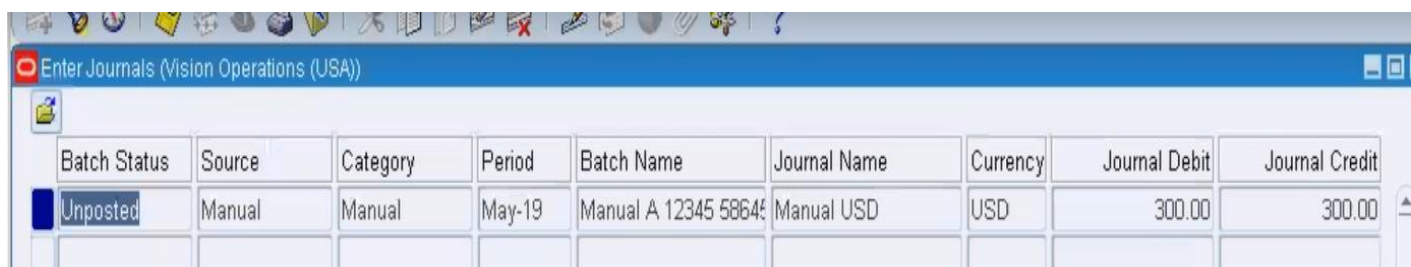
Parameters:

Language: American English

Language Settings... Debug Options

At these Times...

NOW GO TO JOURNALS>ENTER>BATCH NAME>REVIEW JOURNAL



Batch Status	Source	Category	Period	Batch Name	Journal Name	Currency	Journal Debit	Journal Credit
Unposted	Manual	Manual	May-19	Manual A 12345 58645	Manual USD	USD	300.00	300.00

Enter Journals (Vision Operations (USA))

Journals (Vision Operations (USA)) - Manual A 12345 5864565

Journal	Manual USD		Conversion	Currency	USD	Reverse	Date	
Description	Journal Import 5864565:			Date	01-MAY-2019		Period	
Ledger	Vision Operations (I)	Category	Manual	Type	User		Method	Switch Dr/Cr
Period	May-19	Effective Date	01-MAY-2019	Rate	1		Status	Not Reversed
Balance Type	Actual	Document Number						
Clearing Company		Tax	Not Required					
Journal Type	Standard	Control Total						

Reverse

Lines Other Information

		Entered		Accounted		
Line	Account	Debit (USD)	Credit (USD)	UOM	Qty	Description
1	01-520-1630-0000-000	100.00	0.00			Journal Import Created
2	01-520-1630-0000-000	100.00	0.00			Journal Import Created
3	01-520-1630-0000-000	100.00	0.00			Journal Import Created
4	01-530-5260-0000-000	0.00	100.00			Journal Import Created
5	01-530-5260-0000-000	0.00	100.00			Journal Import Created
6	01-530-5260-0000-000	0.00	100.00			Journal Import Created

Create or replace package XXABC_GL_INTERFACE_UTLS

IS

PROCEDURE IMPORT_JOURNAL_PROC

```
(  
    errbuf VARCHAR2,  
    retcode VARCHAR2 );
```

END XXABC_GL_INTERFACE_UTLS ;

/

EXIT;

CREATE OR REPLACE package body XXABC_GL_INTERFACE_UTLS

is

PROCEDURE LOAD_GL_INTERFACE

IS

BEGIN

insert into gl_interface

```
( STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,  
  USER_JE_CATEGORY_NAME, ACCOUNTING_DATE, CURRENCY_CODE,  
  DATE_CREATED, CREATED_BY,  
  SEGMENT1, SEGMENT2, SEGMENT3, SEGMENT4, SEGMENT5,  
  ACTUAL_FLAG, ENTERED_DR, ENTERED_CR, GROUP_ID  
)
```

```
select STATUS, LEDGER_ID, USER_JE_SOURCE_NAME,  
  USER_JE_CATEGORY_NAME, ACCOUNTING_DATE, CURRENCY_CODE,
```

```
DATE_CREATED,   CREATED_BY,  
SEGMENT1, SEGMENT2,   SEGMENT3,   SEGMENT4,   SEGMENT5,  
ACTUAL_FLAG, ENTERED_DR,   ENTERED_CR,   GROUP_ID  
from XXABC_GL_INTF_STG  
WHERE VALIDATION_STATUS IS NULL;
```

```
UPDATE XXABC_GL_INTF_STG  
SET VALIDATION_STATUS='P'  
;
```

```
COMMIT;
```

```
END LOAD_GL_INTERFACE;
```

```
PROCEDURE IMPORT_JOURNAL_PROC
```

```
(
```

```
    errbuf VARCHAR2,  
    retcode VARCHAR2 )
```

```
IS
```

```
l_conc_id    NUMBER;
```

```
l_int_run_id  NUMBER;
```

```
l_access_set_id  NUMBER;
```

```
l_org_id      NUMBER := fnd_profile.value('ORG_ID');
```

```
l_sob_id      NUMBER := fnd_profile.value('GL_SET_OF_BKS_ID'); --LEDGER_ID
```

```
l_user_id     NUMBER := fnd_profile.value('USER_ID');
```

```
l_resp_id    NUMBER := fnd_profile.value('RESP_ID');  
l_resp_app_id  NUMBER := fnd_profile.value('RESP_APPL_ID');
```

```
BEGIN
```

```
--CALL Load GL Interface to load into GL_INTERFACE table
```

```
LOAD_GL_INTERFACE();
```

```
fnd_global.apps_initialize
```

```
(  
    user_id    => l_user_id    --User Id  
    ,resp_id    => l_resp_id    --Responsibility Id  
    ,resp_appl_id => l_resp_app_id --Responsibility Application Id  
);
```

```
mo_global.set_policy_context('S',l_org_id);
```

```
SELECT gl_journal_import_s.NEXTVAL  
    INTO l_int_run_id  
    FROM dual;
```

```
SELECT access_set_id  
    INTO l_access_set_id  
    FROM gl_access_sets
```

```
WHERE name = 'Vision Operations (USA)';
```

```
INSERT INTO gl_interface_control
```

```
(  
  je_source_name  
  ,interface_run_id  
  ,status  
  ,set_of_books_id  
  ,group_id  
)
```

```
VALUES
```

```
(  
  'Manual'  
  ,l_int_run_id  
  ,'S'  
  ,l_sob_id  
  ,12345  
);
```

```
commit;
```

```
l_conc_id := fnd_request.submit_request
```

```
( application => 'SQLGL'  
  ,program    => 'GLLEZL'  
  ,description => NULL  
  ,start_time => SYSDATE
```



```
,sub_request => FALSE
,argument1   => l_int_run_id  --interface run id
,argument2   => l_access_set_id --data access set_id
,argument3   => 'N'          --post to suspense
,argument4   => NULL         --from date
,argument5   => NULL         --to date
,argument6   => 'N'          --summary mode
,argument7   => 'N'          --import DFF
,argument8   => 'Y'          --backward mode
);
```

```
COMMIT;
```

```
fnd_file.PUT_LINE(fnd_file.log,'GL Import Submitted. Request Id : '||l_conc_id);
```

```
EXCEPTION
```

```
WHEN OTHERS THEN
```

```
fnd_file.PUT_LINE(fnd_file.log,'Error while submitting the GL Import Program.');
```

```
fnd_file.PUT_LINE(fnd_file.log,'Error : '||SQLCODE||'-'||SUBSTR(SQLERRM,1,200));
```

```
END IMPORT_JOURNAL_PROC;
```

```
END XXABC_GL_INTERFACE_UTLS;
```

```
/
```

EXIT;