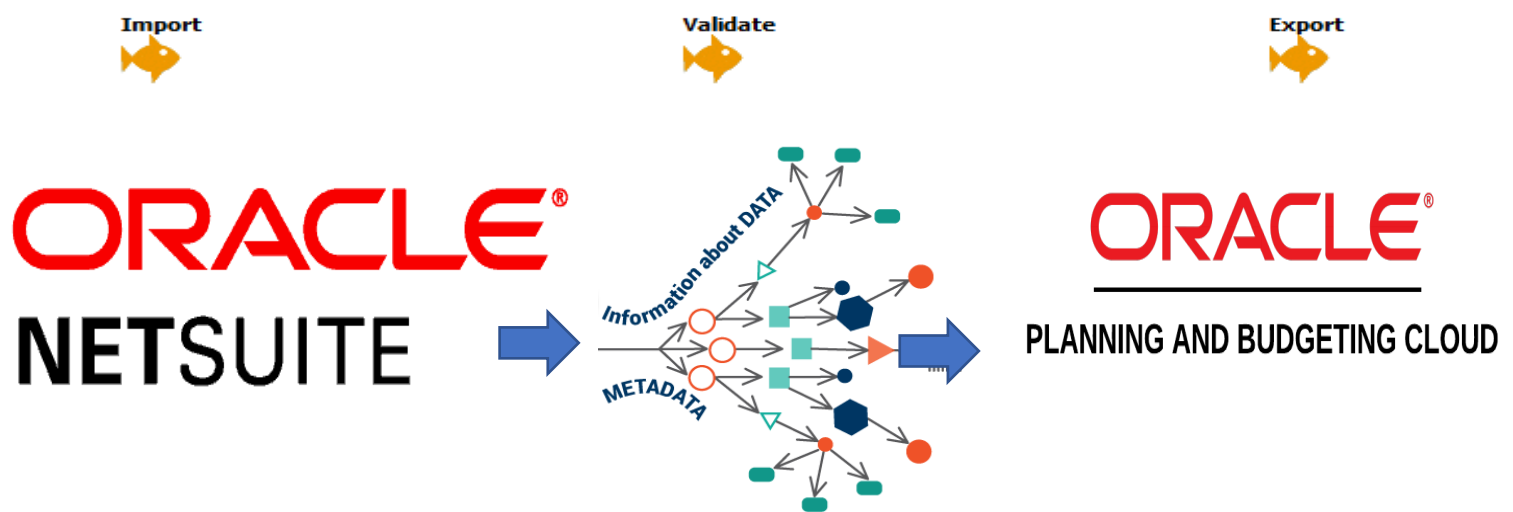


# Oracle NetSuite to PBCS Integration

## Loading Metadata from NetSuite to PBCS



### Version History

Version	Date (dd / mmm / yyyy)	Modification	Author
0.1	5th / Jan / 2020	Initial document	Ashima Rajput
0.1	5th / Jan / 2020	Review	Amit Sharma

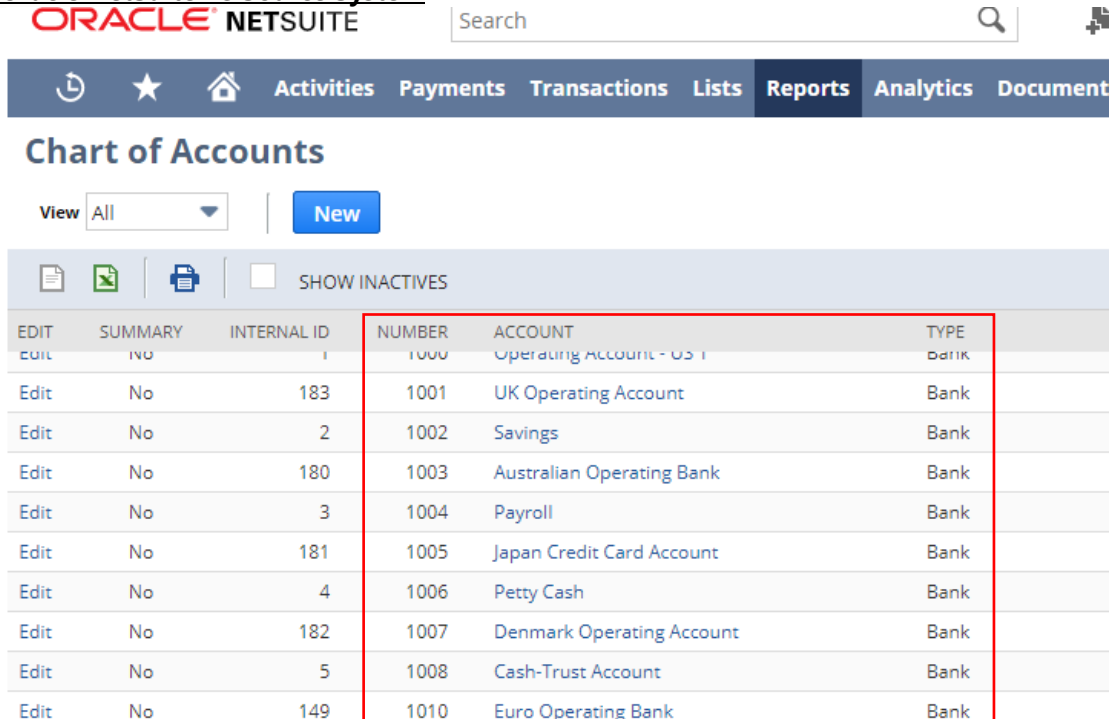
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## Introduction

In the below example, I've shown how to load balance sheet members sourcing from Oracle NetSuite to Oracle PBCS Account Dimension using Data Management. Data Management let you integrate Oracle NetSuite with the Oracle Enterprise Performance Management Cloud.

### Oracle NetSuite As Source System

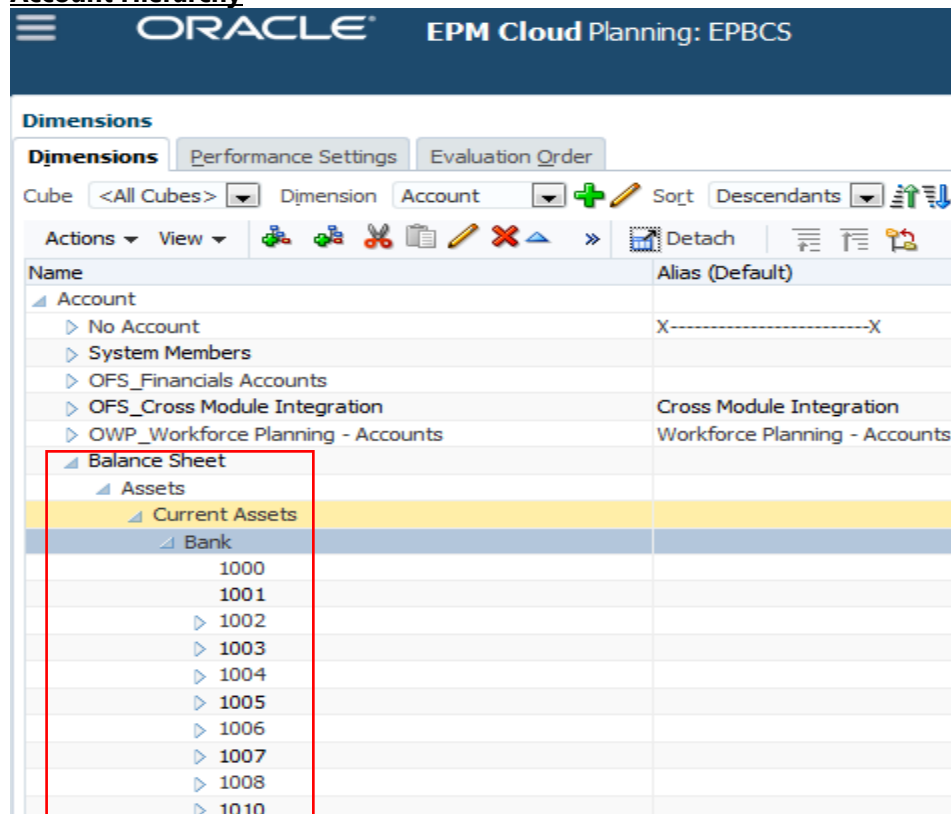


The screenshot shows the Oracle NetSuite interface. At the top, there's a search bar and a navigation menu with options like Activities, Payments, Transactions, Lists, Reports, Analytics, and Documents. Below the navigation bar, the title 'Chart of Accounts' is displayed. There's a 'View' dropdown set to 'All' and a 'New' button. A table of accounts is shown, with columns for EDIT, SUMMARY, INTERNAL ID, NUMBER, ACCOUNT, and TYPE. A red box highlights the 'NUMBER' and 'ACCOUNT' columns for accounts 1000 through 1010.

EDIT	SUMMARY	INTERNAL ID	NUMBER	ACCOUNT	TYPE
Edit	No	1	1000	Operating Account - US	Bank
Edit	No	183	1001	UK Operating Account	Bank
Edit	No	2	1002	Savings	Bank
Edit	No	180	1003	Australian Operating Bank	Bank
Edit	No	3	1004	Payroll	Bank
Edit	No	181	1005	Japan Credit Card Account	Bank
Edit	No	4	1006	Petty Cash	Bank
Edit	No	182	1007	Denmark Operating Account	Bank
Edit	No	5	1008	Cash-Trust Account	Bank
Edit	No	149	1010	Euro Operating Bank	Bank

### The Target PBCS Application

#### Account Hierarchy



The screenshot shows the Oracle EPM Cloud Planning: EPBCS interface. The 'Dimensions' tab is selected, and the 'Account' dimension is chosen. The 'Cube' is set to '<All Cubes>'. The 'Sort' dropdown is set to 'Descendants'. The 'Actions' menu is open, showing options like View, Detach, and others. The 'Name' column lists the account hierarchy, and the 'Alias (Default)' column shows the corresponding aliases. A red box highlights the 'Balance Sheet' section, specifically the 'Assets' and 'Current Assets' sub-sections.

Name	Alias (Default)
Account	
No Account	X-----X
System Members	
OFS_Financials Accounts	
OFS_Cross Module Integration	Cross Module Integration
OWP_Workforce Planning - Accounts	Workforce Planning - Accounts
Balance Sheet	
Assets	
Current Assets	
Bank	
1000	
1001	
1002	
1003	
1004	
1005	
1006	
1007	
1008	
1010	

## Step#1 Register source system as NetSuite

**Source System**

**Source System Summary**

View Add Delete Detach Initialize

Name	Type	Description	Drill Through URL	Base Language
EBS	File	EBS General Ledger	https://ucf4-eb0236-gse.oraedemos.com	
EBS Source GL	File	EBS Source GL	https://ucf4-eb0236-gse.oraedemos.com	
File	File	File Load	http://news.yahoo.com/	
Fusion Cloud R.12	Oracle Financials Cloud	Fusion Financials C...	R.13@https://ucf3-zhen-fa-ext.oraedemos.com/publicFina...	
Fusion Financials C...	Oracle Financials Cloud	Fusion Financials C...	R.13@https://xxxx-xxxx-xx-xxx.oraedemos.com/publicFin...	
HCM	Oracle HCM Cloud			
JDE	File	JDE General Ledger	https://ucf4-jde0106-jde.oraedemos.com	
NS_EPBCS	NetSuite			
PeopleSoft	File	PeopleSoft Genera...	https://ucf4-psf0036-fscm.oraedemos.com	

**NS\_EPBCS : Details**

Source System Name: NS\_EPBCS

\* Source System Type: NetSuite

Source System Description:

Drill Through URL:

1.1 Click "Configure Source Connection".

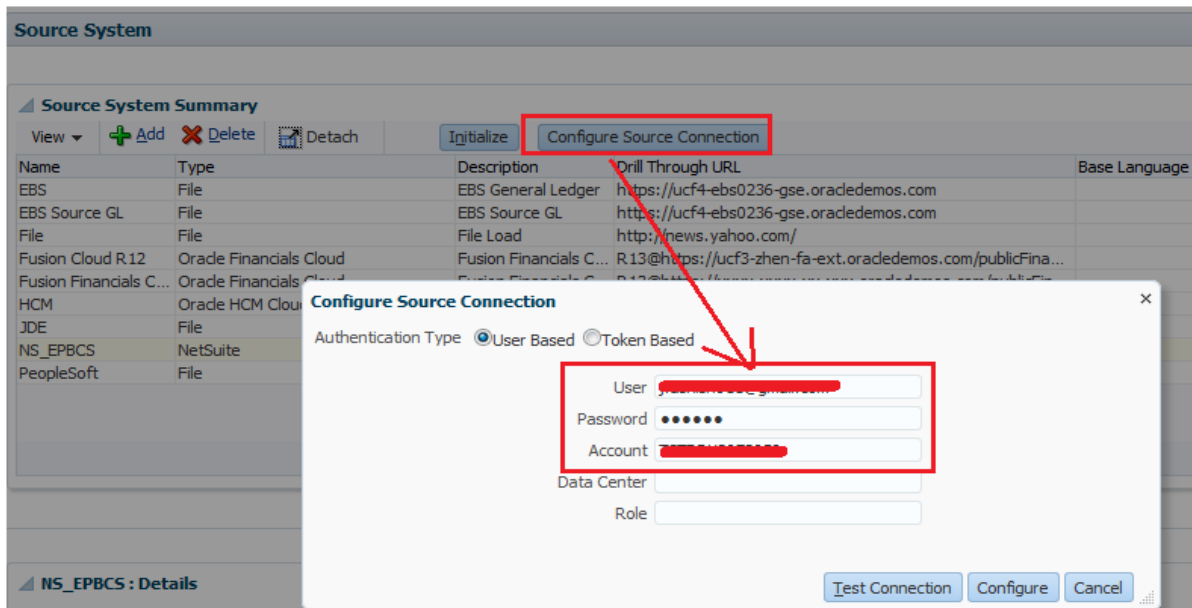
**Source System**

**Source System Summary**

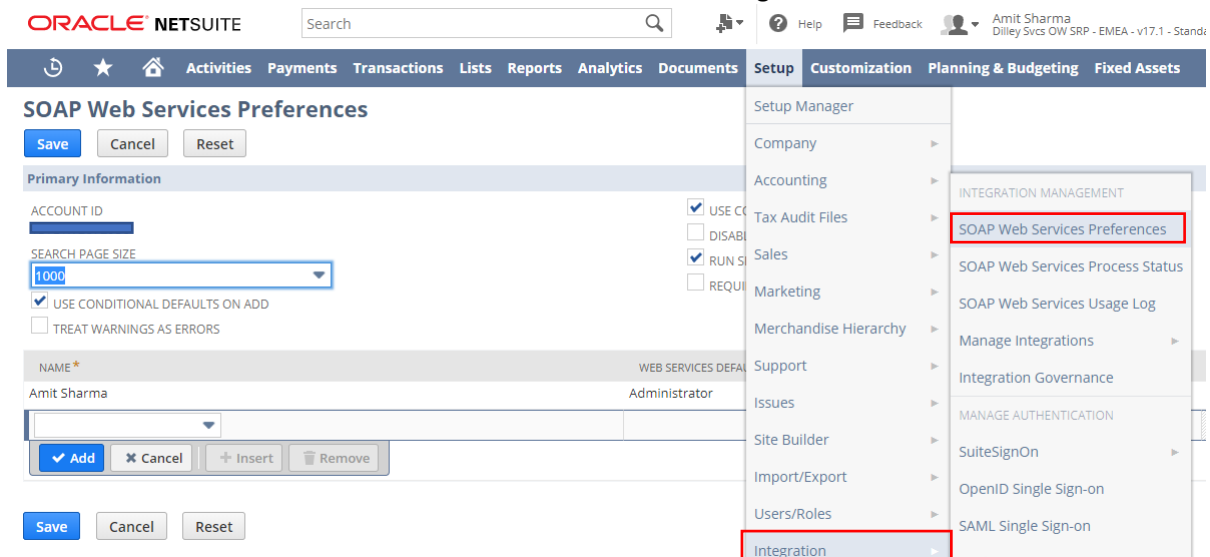
View Add Delete Detach Initialize

Name	Type	Description	Drill Through URL
EBS	File	EBS General Ledger	https://ucf4-eb0236-gse.oraedemos.com
EBS Source GL	File	EBS Source GL	https://ucf4-eb0236-gse.oraedemos.com
File	File	File Load	http://news.yahoo.com/
Fusion Cloud R.12	Oracle Financials Cloud	Fusion Financials C...	R.13@https://ucf3-zhen-fa-ext.oraedemos.com/publicFina...
Fusion Financials C...	Oracle Financials Cloud	Fusion Financials C...	R.13@https://xxxx-xxxx-xx-xxx.oraedemos.com/publicFin...
HCM	Oracle HCM Cloud		
JDE	File	JDE General Ledger	https://ucf4-jde0106-jde.oraedemos.com
NS_EPBCS	NetSuite		
PeopleSoft	File	PeopleSoft Genera...	https://ucf4-psf0036-fscm.oraedemos.com

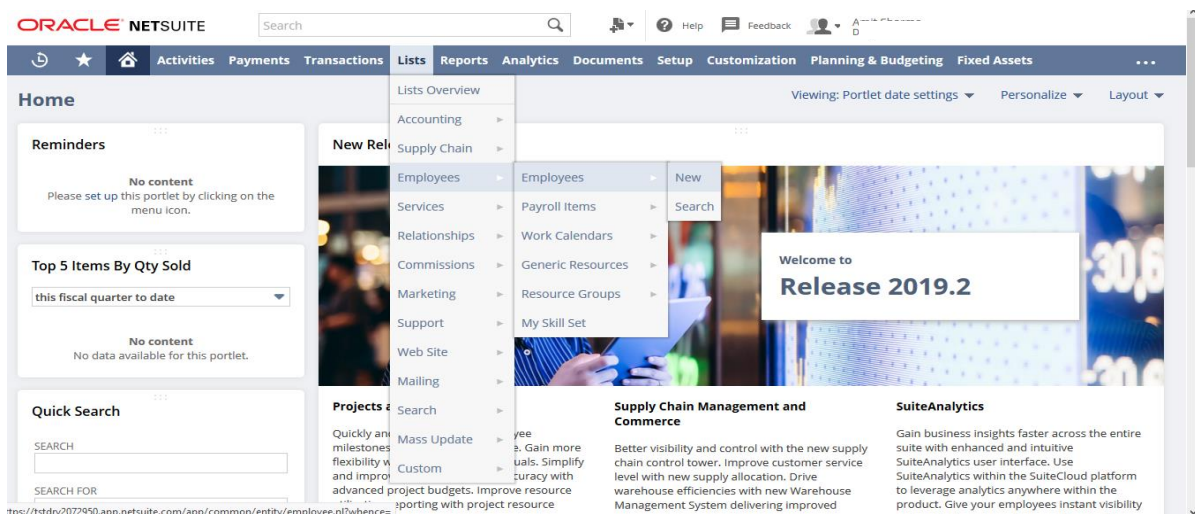
1.2 Specify NetSuite User Name, Password and Account.



1.3 NetSuite Account info can be accessed from NetSuite->Integration->SOAP Web Services Preferences.



1.4. In the next step, we need to create an employee with PBCS Integrator roll.



### 1.5 Provide details for the employee like email id and Password.

**ORACLE NETSUITE** Search [ ]

Activities Payments Transactions **Lists** Reports Analytics Documents Setup Customization Planning & Budgeting Fixed Assets

**Employee** Ashima **ACTIVE** List Search

Edit Back Actions

Contact Information	Primary Address	Profile Picture
EMPLOYEE ID Ashima	ADDRESS	IMAGE
NAME Ashima		
EMAIL [REDACTED]		
PHONE		

Classification Information		
JOB TITLE	DEPARTMENT	SUBSIDIARY ASIA
SUPERVISOR	BILLING CLASS	CLASS

☐ OUT OF OFFICE

Human Resources Communication Related Records **Access** System Information Skills & Expertise

General

### 1.6 Go to access subtab assign role as PBCS Integration.

**ORACLE NETSUITE** Search [ ]

Activities Payments Transactions **Lists** Reports Analytics Documents Setup Customization Planning & Budgeting Fixed Assets

NAME  
Ashima  
EMAIL  
[REDACTED]  
PHONE

Classification Information		
JOB TITLE	DEPARTMENT	SUBSIDIARY ASIA
SUPERVISOR	BILLING CLASS	CLASS

☐ OUT OF OFFICE

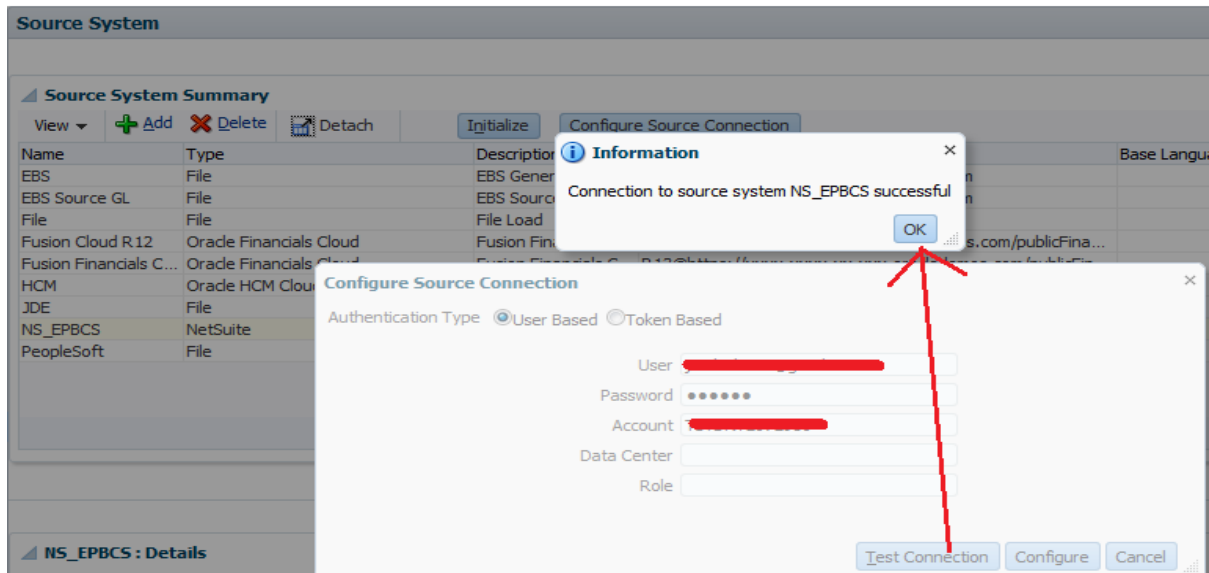
Human Resources Communication Related Records **Access** System Information Skills & Expertise

☒ GIVE ACCESS ☐ CONCURRENT WEB SERVICES USER

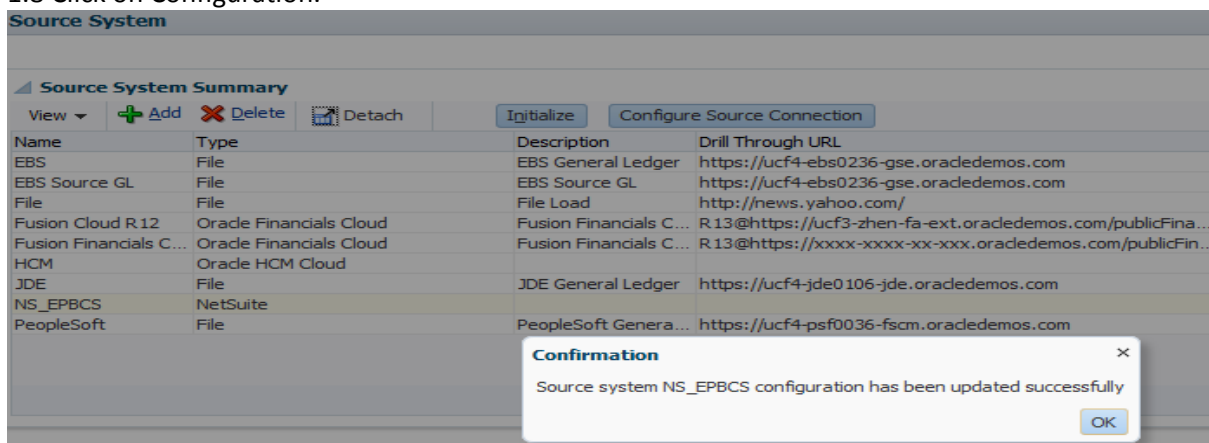
Roles • Global Permissions • History •
ROLE PBCS Integration

Edit Back Actions

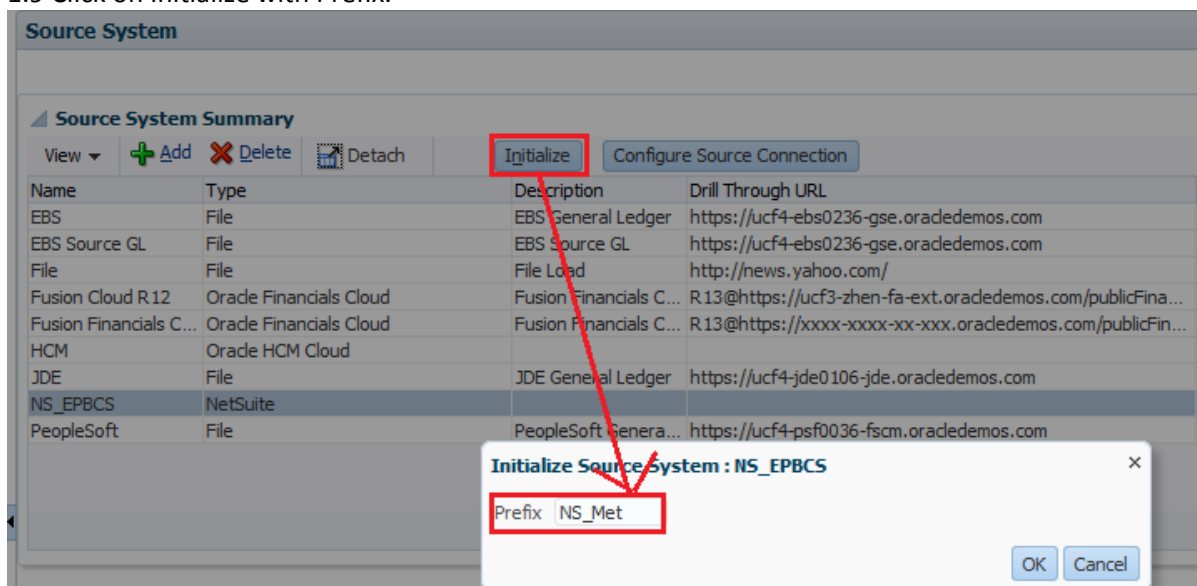
### 1.7 Test Connection



1.8 Click on Configuration.



1.9 Click on Initialize with Prefix.



## Step#2 Select target application.

**Target Application**

Status	Name
✓	PBCS - Transaction Summary
✓	NS_MetPBCS sync (Metadata) Balance Sheet Accounts
✓	PBCS sync (Metadata) Balance Sheet Accounts
✓	NS_MetPBCS sync (Metadata) Income Statement Accounts
✓	PBCS sync (Metadata) Income Statement Accounts
✓	PBCS sync (Data) Beg Balance
✓	NS_MetPBCS sync (Data) Beg Balance

**Application Details**

\* Name NS\_MetPBCS sync (Metadata) Balance Sheet Accounts    Type    Deployment Mode Not Applicable

**Dimension Details**    Application Filters

View    + Add    X Delete    Detach

Dimension Name	Target Dimension Class
Alias: Default	Generic
Balance	Generic
Child	Generic
DATA STORAGE	Generic
Internal ID	Generic
Parent	Generic

## Step#3 Create an import format based.

**Import Format**

Status	Name	Source	Target
✓	NS-Metada	PBCS sync (Metadata) Balance Sheet A...	EPBCS - Account
✓	RBT001	File	RBT001

**NS-Metada: Details**

Name NS-Metada    Description

Source PBCS sync (Metadata) Balance Sheet Accounts    Target EPBCS - Account

\* File Type Delimited - All Data Type    \* File Delimiter Comma

Drill URL

**NS-Metada: Mappings**

View    Detach    Add    Delete

Source Column	Expression	Add Expression	Target
Child			Account
			Data
Parent			Parent

## Step#4 Define the location.



**Location**

View

Name	Description	Import Format	Source	Target	Partition Key
NS-Metadatas		NS-Metada	PBCS sync (Metadatas) ...	EPBCS - Account	21
RBT001		RBT001	File	RBT001	52

**NS-Metadatas : Details**

**Location Details** Integration Option

\* Name NS-Metadatas

\* Import Format NS-Metada

Source PBCS sync (Metadatas) Balance Sheet Accounts

Functional Currency [NONE]

Check Entity Group [NONE]

Description

Parent Location

Target EPBCS - Account

Logic Account Group [NONE]

Check Rule Group [NONE]

## Step#5 Define Explicit Period mapping.

**Period Mapping**

Global Mapping Application Mapping **Source Mapping**

\* Source System NS\_EPBCS Source System Type NetSuite Mapping Type Explicit

View

Period Key	Period Name	Calendar	GL Year	GL Period	GL Period Number	Description
7/31/2019	Jul-19	NS	2019	Jul	7	
11/30/2019	Nov-19	NS	2019	Nov	11	

## Step#6 Define data load mapping.

### 6.1 Account Mapping

**Data Load Mapping**

Dimensions Account Data Table Column ACCOUNT

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

View

Type	Source Value	Target Value	Rule Name
Like	*	*	acc

Location NS-Metadatas Period Jan-16 Category Forecast Q2 Source NS\_EPBCS Target EPBCS - Account

### 6.2 Parent Mapping

**Data Load Mapping**

Dimensions Parent Data Table Column ENTITY

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

View

Type	Source Value	Target Value	Rule Name
In	UnbilledRec,CredCard,DeferRevenue,P_2100	IGNORE	PAR
Like	*	*	par

Location NS-Metadatas Period Jan-16 Category Forecast Q2 Source NS\_EPBCS Target EPBCS - Account

## Step#7. Define a data load rule for a specific location and category.

7.1 Define details as given below and click Execute.

**Data Rule Summary**

View ▾ [Add](#) [Delete](#) [Refresh](#) Show ▾ [Detach](#) [Execute](#) [Schedule](#) [Cancel Schedule](#)

Status	Name	Category	Description
	NS_Metadata_Load	Actual	

---

**Details**

Name: NS\_Metadata\_Load

\* Category: Actual

\* Period Mapping Type: Explicit

Import Format: NS-Metadata

Description:

\* Target Plan Type: REGULAR

\* Calendar: hs

## 7.2 Process Executed successfully

**Process Details**

View ▾ [Refresh](#) [Detach](#)

Process ID	Status	Log	Location	Process Name	Rule Name	Source System	Target Application	ODI Session
53	✓	<a href="#">Show</a>	NS-Metadata	Data Load	NS_Metadata_Load	NS_EPBCS	EPBCS - Account	
50	✓	<a href="#">Show</a>	NS-Metadata	Data Load	NS_Metadata_Load	NS_EPBCS	EPBCS - Account	

[Messages](#)

---

**Process Step**

View ▾ [Detach](#)

Status	Process Step	Process Start Time	Process End Time
✓	Extract data from Datasource PBCS sync (Metadata) Balance Sheet Accounts	Jan 7, 2020 10:07:40 AM	Jan 7, 2020 10:08:15 AM
✓	Import data from file PBCS sync (Metadata) Balance Sheet Accounts_53.dat for Period Jan-16	Jan 7, 2020 10:08:15 AM	Jan 7, 2020 10:08:16 AM
✓	Transform and stage balance data to export for period Jan-16	Jan 7, 2020 10:08:16 AM	Jan 7, 2020 10:08:16 AM
✓	Export data to Planning application EPBCS - Account	Jan 7, 2020 10:08:17 AM	Jan 7, 2020 10:08:29 AM

Location: NS-Metadata Period: Jan-16 Category: Forecast Q2 Source: NS\_EPBCS Target: EPBCS - Account

## 7.3 The common chart of account from Source System NetSuite

**ORACLE NETSUITE** Search [Help](#) [Feedback](#) [User](#)

[Home](#) [Activities](#) [Payments](#) [Transactions](#) [Lists](#) [Reports](#) [Analytics](#) [Documents](#) [Setup](#) [Customization](#) [Planning](#)

**Home**

Reminders

- 0 Estimates to Print
- 252 Bills to Pay
- 0 Items to Order
- 100 Orders to Fulfill

**Sales Orders to**

2018-12

[Edit](#) [View](#)

**Reports**

- Reports Overview
- New Report
- New Financial Report
- Recent Reports**
- Saved Reports
- Scheduled Reports

**Inventory Returned Not Credited Register**

- .Balance Sheet
- Chart of Accounts**

## 7.4 Final outcome (Target as PBCS and Source as NetSuite)

**ORACLE EPM Cloud Planning: EPBCS**

Dimensions

Cube: <All Cubes> Dimension: Account Evaluation Order

Actions View View Sort Descendants

Name Alias (Default)

- Account
  - No Account X-----X
  - System Members
  - OFS\_Financials Accounts
  - OFS\_Cross Module Integration Cross Module Integration
  - OWP\_Workforce Planning - Accounts Workforce Planning - Accounts
  - Balance Sheet
  - Assets
  - Current Assets
    - Bank
      - 1000
      - 1001
      - 1002
      - 1003
      - 1004
      - 1005
      - 1006
      - 1007
      - 1008
      - 1010

**ORACLE NETSUITE** Search

Activities Payments Transactions Lists Reports Analytics Documents

### Chart of Accounts

View All New

SHOW INACTIVES

EDIT	SUMMARY	INTERNAL ID	NUMBER	ACCOUNT	TYPE
Edit	No	183	1001	UK Operating Account	Bank
Edit	No	2	1002	Savings	Bank
Edit	No	180	1003	Australian Operating Bank	Bank
Edit	No	3	1004	Payroll	Bank
Edit	No	181	1005	Japan Credit Card Account	Bank
Edit	No	4	1006	Petty Cash	Bank
Edit	No	182	1007	Denmark Operating Account	Bank
Edit	No	5	1008	Cash-Trust Account	Bank
Edit	No	149	1010	Euro Operating Bank	Bank

## 7.5 Log file.

```

EPBCS - Account_53.log - Notepad
File Edit Format View Help
delete statement:2020-01-07 10:08:16,325 INFO [AIF]: Successfully executed delete statement2020-01-07 10:08:16,325 INFO [AIF]: Number of Rows deleted from TDATASEG.T: 1902020-01-07 10:08:16,346 INFO [AIF]: -----END IMPORT STEP-----2020-01-07 10:08:16,362 INFO [AIF]: -----START VALIDATE STEP-----2020-01-07 10:08:16,381 INFO [AIF]: Validate Data Mappings for Period 'Jan-16'2020-01-07 10:08:16,387 INFO [AIF]: Total Data Rows available for Export to Target: 1812020-01-07 10:08:16,387 INFO [AIF]: Validate Data Members for Period 'Jan-16'2020-01-07 10:08:16,388 INFO [AIF]: Total Data Rows available for Export to Target: 1812020-01-07 10:08:16,406 INFO [AIF]: -----END VALIDATE STEP-----2020-01-07 10:08:16,452 INFO [AIF]: -----START EXPORT STEP-----2020-01-07 10:08:16,498 INFO [AIF]: EssbaseService.exportData - START2020-01-07 10:08:16,785 INFO [AIF]: cloudServiceType: PBCSE, Resolved user: epm_default_cloud_admin, planningUserName: epm_default_cloud_admin2020-01-07 10:08:16,803 INFO [AIF]: Creating data file: /u03/inbox/outbox/EPBCS - Account_53.dat2020-01-07 10:08:16,847 INFO [AIF]: Data file creation completed: 1802020-01-07 10:08:16,847 INFO [AIF]: EssbaseService.exportData - END (true)2020-01-07 10:08:16,945 INFO [AIF]: EssbaseService.loadData - START2020-01-07 10:08:17,247 INFO [AIF]: cloudServiceType: PBCSE, Resolved user: epm_default_cloud_admin, planningUserName: epm_default_cloud_admin[Tue Jan 07 10:08:27 UTC 2020]Saving metadata on data loads (/IMD)Property file arguments: /DF:MM-DD-YYYY /D:Account /DL:comma /I:***EPBCS - Account_53.datNo arguments were derived from the command line.Submitted (merged) command line: /DF:MM-DD-YYYY /D:Account /DL:comma /I:***EPBCS - Account_53.dat[Tue Jan 07 10:08:28 UTC 2020]Successfully located and opened input file.[Tue Jan 07 10:08:28 UTC 2020]Input file being read with UTF-8 encoding.[Tue Jan 07 10:08:28 UTC 2020]Date format pattern "MM-DD-YYYY" specified for date data type loading.[Tue Jan 07 10:08:28 UTC 2020]Header record fields: Account, Parent[Tue Jan 07 10:08:28 UTC 2020]Located and using "Account" dimension for loading data in "EPBCS" application.[Tue Jan 07 10:08:28 UTC 2020]HspOutlineLoad::dateFormatSpecified is true, SessionHalDateFormat stored on session: M/d/yy, sessionId: 544542490[Tue Jan 07 10:08:28 UTC 2020]Though default driver members were defined for the load dimension no Data Load Cube Name was specified in the header record so a metadata import is assumed.Property file arguments: /DF:MM-DD-YYYY /D:Account /DL:comma /I:***EPBCS - Account_53.datNo arguments were derived from the command line.Submitted (merged) command line: /DF:MM-DD-YYYY /D:Account /DL:comma /I:***EPBCS - Account_53.dat[Tue Jan 07 10:08:28 UTC 2020]Successfully located and opened input file.[Tue Jan 07 10:08:28 UTC 2020]Input file being read with UTF-8 encoding.[Tue Jan 07 10:08:28 UTC 2020]Date format pattern "MM-DD-YYYY" specified for date data type loading.[Tue Jan 07 10:08:28 UTC 2020]Header record fields: Account, Parent[Tue Jan 07 10:08:28 UTC 2020]Located and using "Account" dimension for loading data in "EPBCS" application.[Tue Jan 07 10:08:28 UTC 2020]HspOutlineLoad::dateFormatSpecified is true, SessionHalDateFormat stored on session: M/d/yy, sessionId: 544542490[Tue Jan 07 10:08:28 UTC 2020]Load dimension "Account" has been unlocked successfully.outline data store load process finished. 180 data records were read, 180 data records were processed, 180 were accepted for loading (verify actual load with Essbase log files), 0 were rejected.[Tue Jan 07 10:08:28 UTC 2020]Outline data store load process finished. 180 data records were read, 180 data records were processed, 180 were accepted for loading (verify actual load with Essbase log files), 0 were rejected.2020-01-07 10:08:29,134 INFO [AIF]: The Drill Region option is not enabled for the application.2020-01-07 10:08:29,134 INFO [AIF]: EssbaseService.loadData - END (true)2020-01-07 10:08:29,166 INFO [AIF]: -----END EXPORT STEP-----2020-01-07 10:08:29,308 INFO [AIF]: FDMEE Process End, Process ID: 53
    
```