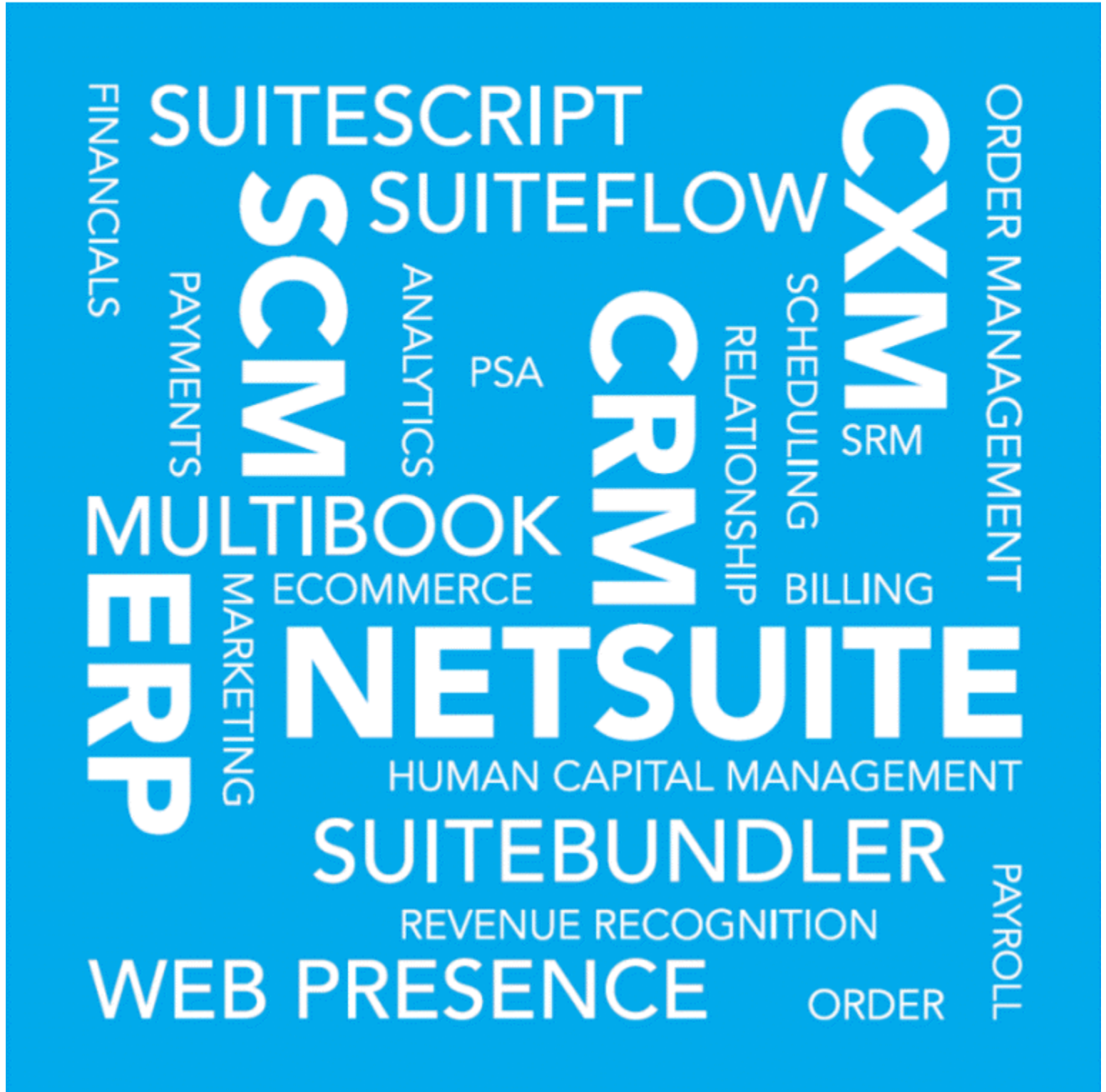


# Oracle NetSuite Planning and Budgeting Cloud Service Sync



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# Oracle NetSuite PBCS Sync

The Oracle NetSuite PBCS Sync SuiteApp enables you to extract accounting reports from NetSuite saved searches and use them in Oracle Planning and Budgeting Cloud Service (Oracle PBCS).

To use and get support for Oracle NetSuite PBCS Sync, you must license this product. To license the product, contact your NetSuite Account Manager.

With this SuiteApp, you can define saved searches with the data that you need for planning and budgeting. Through the use of Data Management in Oracle PBCS, you can execute saved searches and then download the results to use in Oracle PBCS.

This SuiteApp is a managed bundle. When a new version of the bundle is available, it is updated in your account automatically.

Oracle NetSuite PBCS Sync supports single sign-on (SSO) through any SSO service that offers SAML 2.0. With an SSO account, users can navigate between NetSuite and Oracle PBCS without entering their credentials each time. For information on setting up menu navigation to Oracle PBCS, see [Setting Up Menu Navigation to PBCS](#).

For information about the changes in each release, see the [Oracle NetSuite PBCS Sync Version Notes](#).

## Oracle NetSuite PBCS Sync Setup Guide

**Note:** Using your NetSuite Oracle PBCS integration with the Administrator role is not recommended due to the mandatory two-factor authentication. You can use your integration with the PBCS Integration role. The PBCS Integration role is included in the installed bundle, and has all necessary permissions to get you started. If you need to create a custom role to better suit your needs, clone the PBCS Integration role and assign your specific permissions to it. To clone the PBCS Integration role, log in to NetSuite, and go to Setup > Users/Roles > Manage Roles. In the list of roles, click **Customize** next to the PBCS Integration role, and make any necessary changes.

Administrators can perform the following tasks to set up the Oracle NetSuite PBCS Sync SuiteApp:

1. Enable the required features in your NetSuite account. See [Required Features for Installing the Oracle NetSuite PBCS Sync SuiteApp](#).
2. Install the SuiteApp. See [Installing the Oracle NetSuite PBCS Sync SuiteApp](#).
3. Set the file encryption password. See [Setting Up a Password for File Encryption](#).
4. Create user records for PBCS users. These user records must have the PBCS Integration role. See [Creating a PBCS User Record](#).
5. Set up token-based authentication (TBA) for PBCS users. See [Setting Up Token-Based Authentication](#).
6. Set up single sign-on (SSO). This enables users to navigate to the Oracle PBCS account from the NetSuite application. See [Setting Up Menu Navigation to PBCS](#).

After the SuiteApp is configured, administrators can customize the saved searches that are included in the SuiteApp or create new saved searches to use in Oracle PBCS. See [Customizing PBCS Saved Searches](#) and [Creating Custom Saved Searches for PBCS](#).

## Required Features for Installing the Oracle NetSuite PBCS Sync SuiteApp

Before installing the SuiteApp, you must enable the following features:

- Custom Records
- Server SuiteScript
- Token-Based Authentication
- Client SuiteScript

To enable the features, go to Setup > Company > Enable Features, and click the **SuiteCloud** subtab.

To use single sign-on when navigating to Oracle PBCS from your NetSuite account, you must also enable the SuiteSignOn feature.

## Installing the Oracle NetSuite PBCS Sync SuiteApp

An administrator can install the Oracle NetSuite PBCS Sync SuiteApp.

### To install the Oracle NetSuite PBCS Sync SuiteApp:

1. Enable all required features. See [Required Features for Installing the Oracle NetSuite PBCS Sync SuiteApp](#).
2. Go to Customization > SuiteBundler > Search & Install Bundles.
3. In the **Keywords** box, enter **Oracle-NetSuite PBCS Sync**.
4. Click **Search**.
5. In the list of bundles, click **Oracle-NetSuite PBCS Sync**, Bundle ID 168463.
6. On the Bundle Details page, click **Install**.
7. On the **Preview Bundle Install** page, review the list of objects that will be installed, and click the **Install Bundle** button.

For general information on installing, updating and deleting SuiteApps, see the help topic [Installing a Bundle](#) in the NetSuite Help Center.

## Setting Up Oracle NetSuite PBCS Sync

After installing the Oracle NetSuite PBCS Sync SuiteApp, an administrator must perform the following tasks:

1. Set up a password for file encryption.  
See [Setting Up a Password for File Encryption](#).
2. Create PBCS user records and assign the PBCS Integration role to them.  
See [Creating a PBCS User Record](#).
3. Set up token-based authentication. See [Setting Up Token-Based Authentication](#).

### Setting Up a Password for File Encryption

CSV files that contain saved search results are encrypted with a password that you must set.

Set the file encryption password at Setup > Integration > PBCS File Encryption Password. This password must comply with the following password requirements:

- Has exactly 16, 24, or 32 characters.

- Contains one or a combination of the following character types:
  - Uppercase alpha characters (A, B, ... Z)
  - Lowercase alpha characters (a, b, ... z)
  - Numbers (1, 2, 3, 4, 5, 6, 7, 8, 9, 0)
  - Non-alphanumeric ASCII characters, for example !@#\$%^&\*.;:'"/\+?\_|=(){}<>.

## Creating a PBCS User Record

The PBCS Integration role is included in the Oracle NetSuite PBCS Sync SuiteApp. To set up PBCS integration, an administrator must create an employee record and assign this record the PBCS Integration role. This employee record should not have any other roles.

This employee record is not used by an actual employee to log in to NetSuite. It is used by the PBCS SuiteApp to integrate with Oracle PBCS.

### To set up a PBCS integration user record:

1. Go to Lists > Employees > Employees > New.
2. In the **Name** field, enter a name that identifies this record.
3. Enter an email address for this record that will be used as part of the credentials for the integration.
4. If you use NetSuite OneWorld, in the subsidiary field, select the top-level parent subsidiary.
5. Click the **Access** subtab.
6. Enter a password for this record.



**Important:** This password cannot contain the plus sign (+) or the equals sign (=).

7. In the **Role** column, select **PBCS Integration**, and click **Add**.  
Do not assign this employee record any other roles.
8. Click **Save**.

Follow instructions in [Adding an Employee Record](#) in the NetSuite Help Center to create PBCS user records. You must assign the **PBCS Integration** role to these records.

## Setting Up Token-Based Authentication

For general information about the Token-Based Authentication (TBA) feature, see the help topic [Token-based Authentication \(TBA\)](#) in the NetSuite Help Center.

To authenticate users using the OAuth protocol with RESTlets, you must set up TBA by doing the following:

1. Enable the NetSuite Token-Based Authentication feature. See the help topic [Enable the Token-based Authentication Feature](#).
2. Create an integration record representing PBCS at Setup > Integration > Manage Integrations.  
On the integration record, check the Token-Based Authentication box. By checking this box, NetSuite generates the consumer key and consumer secret that represent PBCS.  
For more information, see the help topic [Create Integration Records for Applications to Use TBA](#).



3. Save the consumer key and consumer secret generated on the integration record. The consumer key and secret show only one time. If you lose these credentials, you can regenerate new ones. For more information, see the help topic [Regenerating a Consumer Key and Secret](#).
4. Create a token and token secret for users who will call the RESTlets. The token and token secret show only one time. If you lose these credentials, you must create a new token. For information, see the help topic [Manage TBA Tokens in the NetSuite UI](#) in the NetSuite Help Center.

## Setting Up Menu Navigation to PBCS

You can use single sign-on (SSO) to enable users to navigate from the NetSuite application to Oracle PBCS without having to enter login credentials. To do this, you must have an account with an SSO service that uses SAML 2.0. This is not included with the Oracle NetSuite PBCS Sync SuiteApp. To set up SSO, follow the instructions provided by your SSO service for setting up an application connection between NetSuite and PBCS.

### To set up PBCS menu navigation:

1. Follow the instructions provided by your SSO service for setting up an application connection between NetSuite and Oracle PBCS.
2. In your NetSuite account, go to Customization > Lists, Records & Fields > Record Types.
3. Click **List** next to NS-PBCS | Config.
4. Click **Edit** next to PBCS\_REDIRECT\_URL.
5. In the **Value** field, enter the address for your Oracle PBCS account or the URL your SSO service provides that authenticates the user and redirects to PBCS.
6. Click **Save**.

For more information on Outbound Single Sign-On, see the help topic [Outbound Single Sign-on \(SuiteSignOn\)](#).

## PBCS Saved Searches

The Oracle NetSuite PBCS Sync SuiteApp includes a default set of complex saved searches.

The following saved searches are available through the RESTlet:

- PBCS sync (Data) Consolidated Exchange Rates
- PBCS sync (Data) Income Statement Transactions
- PBCS sync (Data) Balance Sheet Transactions
- PBCS sync (Data) Beg Balance
- PBCS - Transaction Detail
- PBCS - Transaction Summary
- PBCS - Trial Balance

The following saved searches are available as CSV files in the NetSuite UI:

- PBCS sync (Data) Balance Sheet Transactions [.csv]
- PBCS sync (Data) Income Statement Transactions [.csv]
- PBCS sync (Data) Beg Balance [.csv]

You may observe mismatches between header names in CSV files exported from NetSuite saved searches and header names in CSV files returned from the RESTlet for the same saved searches. The integration with Oracle PBCS will use names of column headers selected for the saved searches on the Results tab in NetSuite.

## Customizing PBCS Saved Searches

After installing the SuiteApp, you must update these saved searches to assign PBCS users as owners and to add any custom segments you might need to have in these searches.

For information about custom segments, see the help topics [Custom Segments](#) and [Custom Segments in Record Searches](#).

### To customize a saved search:

1. Go to Reports > Saved Searches > All Saved Searches.
2. Click **Edit** next to a saved search of your choice.
3. Change the saved search title.
4. Click **Save As**.  
This creates a copy of the saved search.
5. On the Saved Searches page, click **Edit** next to the new saved search.
6. Verify that the saved search is public.
7. To change the search ID, click **Change ID**.



**Important:** Saved searches the IDs of which begin with **customsearch\_nspbcs** are available in the RESTlet. The saved search ID cannot begin with **customsearch\_nspbcs\_req**.

8. On the **Criteria** subtab, add or remove filters.
9. On the **Results** subtab, add or remove columns.
10. Click **Save**.

## Creating Custom Saved Searches for PBCS

You can create saved searches to use with PBCS.

### To create a saved search:

1. Go to Reports > Saved Searches > All Saved Searches > New.
2. Click the type of search you want to create.
3. Enter a title for the search.
4. In the **ID** field, enter an ID beginning with the prefix **\_nspbcs\_**.
5. Check the **Public** box.
6. Enter criteria and choose results for this saved search.
7. Click **Save**.

You can create saved searches only for records that are supported by SuiteScript. For a complete list of which records are supported, see the help topic [Using the SuiteScript Records Browser](#).

For detailed information on defining a saved search, see the help topic [Defining a Saved Search](#).

## Metadata Export to PBCS

The Oracle NetSuite PBCS Sync SuiteApp enables you to extract metadata from NetSuite entities and use the metadata in Oracle PBCS. Metadata from each entity can be exported to a CSV file instead of being displayed in the NetSuite UI. You can then use the exported CSV file to import the metadata to Oracle PBCS.

To export selected metadata from NetSuite entities, you have the following options:

- Use the PBCS Metadata Export portlet.  
For information on manual export of metadata by using the portlet, see [PBCS Metadata Export Portlet](#).
- After configuring Data Management in Oracle PBCS, you can call RESTlets to automatically export the following metadata as CSV files from NetSuite entities to Oracle PBCS:
  - PBCS sync (Metadata) Item
  - PBCS sync (Metadata) Vendor
  - PBCS sync (Metadata) Subsidiary
  - PBCS sync (Metadata) Location
  - PBCS sync (Metadata) Income Statement Accounts
  - PBCS sync (Metadata) Balance Sheet Accounts
  - PBCS sync (Metadata) Class
  - PBCS sync (Metadata) Customer
  - PBCS sync (Metadata) Department

Before you export the Accounts metadata from NetSuite, check the **Use Account Numbers** preference box by going to Setup > Accounting > Accounting Preferences.

When you import the Accounts metadata to Oracle PBCS, and an account from NetSuite does not have an account number, the account name is used instead of the account number.

When you import the Item metadata to Oracle PBCS, and an item from NetSuite does not have a parent, the item type of the item is used in Oracle PBCS as the parent.

When you import the Customer metadata to Oracle PBCS, the Parent Company value is used as the parent of the customer. If the Parent Company value is empty, the value from the PBCS Category field is used as the parent.

### To set a PBCS category to represent the parent company:

1. Log in to NetSuite, and go to Lists > Relationships > Customers.
2. Click **Edit** next to a customer of your choice.
3. Click the **Custom** subtab.
4. From the **PBCS Category** dropdown list, select a value to represent the parent company.


NetSuite allows you to add columns to all the metadata saved searches.

### To add columns to a metadata saved search:


1. Log in to NetSuite, and clone an existing saved search.

See [Customizing PBCS Saved Searches](#).

2. Append an alphanumeric value to the saved search ID.

 **Note:** Do not change the current saved search ID.

3. From the **Results** tab, verify that the new columns are added after the existing columns.

 **Note:** Customization of metadata saved searches only works with the RESTlet. Results returned in the portlet are unchanged.

When you clone a metadata saved search and add columns to it in NetSuite, the dummy parents created for the columns in Oracle PBCS will inherit the property values from the NetSuite parents.

When a metadata saved search is filtered, the RESTlet will return a complete parent-child hierarchy.

## Oracle NetSuite PBCS Sync SuiteApp Portlets

You can extend your integration dashboard with the following portlets:

- PBCS Metadata Export
- PBCS Integration Status

### To add the SuiteApp portlets to your dashboard:

1. Click the **Personalize** link in the upper-right corner of your dashboard or use the **Personalize Dashboard** link in the **Settings** portlet.
2. On the **SuiteApps** tab of the **Personalize Dashboard** palette, click one or the other SuiteApp portlet icon or drag it onto your dashboard.

## PBCS Metadata Export Portlet

This portlet enables you to manually export metadata from NetSuite entities as CSV files. You can then use the exported CSV files in Oracle PBCS.

You can export metadata from the following NetSuite entities:

- Account
- Customer
- Item
- Vendor

### To export selected metadata:

1. In the portlet, click **Generate** to export selected metadata as a CSV file.  
The **In Progress** status will appear in the Generate column.  
When the export is complete, the **Download** link appears in the File column.
2. Click **Download** to save the exported CSV file to disk.  
This downloads the last generated file. The timestamp reflects the last date and time you generated a CSV file. If you want to export the latest metadata, click **Generate** and repeat the steps described above.



**Tip:** If the file is not available for download after you click **Generate**, try the following before contacting support:

- If it is the first time you are using this feature, reset your PBCS File Encryption Password. See [Setting Up a Password for File Encryption](#).

## PBCS Integration Status Portlet

This portlet shows the status of successfully executed saved searches in your account in the last 30 days. In the portlet, you can sort the searches that are displayed according to how many times they were executed, the minimum and maximum number of executed transactions, the last execution time, and the last user who executed them. To ensure the portlet shows the latest data, you can manually refresh it at any time by clicking the portlet's Refresh icon on the right of the title bar.

## Oracle Cloud Documentation on Integrating Data from Oracle NetSuite

You can find more information on Oracle NetSuite PBCS Sync in the following guide:

- **Administering Data Management for Oracle Enterprise Performance Management Cloud**

The guide is available in the Oracle Help Center under [Oracle Planning and Budgeting Cloud Books](#).

The **Integrating Oracle NetSuite** section of the guide contains the following subsections:

- Process Description for Integrating Oracle NetSuite
- Configuring a Source Connection to Oracle NetSuite
- Creating an Oracle NetSuite Data Source
- Drilling Through to Oracle NetSuite

## Oracle NetSuite PBCS Sync Version Notes

This section describes the recent changes in the Oracle NetSuite PBCS Sync SuiteApp. Here you may also find instructions on how to troubleshoot your issues.

### Version 2.02.2

#### December 10, 2019

Small bug fixes have been released.

### Version 2.02.1

#### November 5, 2019

Bug fixes and performance improvements have been released.

## Version 2.02

### October 22, 2019

- The use of metadata saved searches has been enhanced:
  - The naming convention for saved searches has changed to include “sync” in a saved search name.
  - You can add columns to all the metadata saved searches.
  - The dummy parents created in Oracle PBCS for the columns added in NetSuite will inherit the property values from the NetSuite parents.
  - The item type is used in Oracle PBCS as the parent for items that have been imported from NetSuite and do not have a parent.
  - The RESTlet returns a complete parent-child hierarchy for filtered metadata saved searches.
- Bug fixes and performance improvements have been released.

## Version 2.01

### August 20, 2019

- The default set of complex saved searches has been extended.
- A RESTlet for metadata has been introduced.



**Important:** Oracle NetSuite PBCS Sync version 2.01 requires you to enter a new password on the PBCS File Encryption Password page if you want to use or export metadata through the portlet or RESTlet. If you do not reset the password, the following message appears in the portlet with a link to change your password.

**PBCS Metadata Export**

**NS-PBCS file encryption password must be changed to export metadata. [Change password now.](#)**

EXPORT NAME	GENERATE	FILE
NS-PBCS SS Account Metadata export		
NS-PBCS SS Customer Metadata export		
NS-PBCS SS Item Metadata export		
NS-PBCS SS Vendor Metadata export		

#### To change your PBCS file encryption password:

1. Go to Setup > Integration > PBCS File Encryption Password.
2. Enter a new password.
3. Click **Save**.

For more information, see [Setting Up a Password for File Encryption](#).

- Small bug fixes have been released.

## Version 2.0

### March 12, 2019

- The default set of complex saved searches has been extended.
- You can add the following portlets to your NetSuite-Oracle PBCS integration dashboard:
  - PBCS Metadata Export - to export metadata from NetSuite entities to a CSV file and then use the file to import metadata to Oracle PBCS.
  - PBCS Integration Status - to display the status of successfully executed saved searches in your account in the last 30 days.

## Version 1.10.1

### February 19, 2019

Compatibility with NetSuite 2019.1 has been supplemented.



**Important:** If you receive an INSUFFICIENT\_PERMISSION error message, you need to check that the restrictions on the output folder that is used for your NetSuite-Oracle PBCS integration role are set correctly. To find the restrictions setting, log in to NetSuite, and go to Documents > Files > File Cabinet. Next to the **SuiteScripts** folder, click **Edit**. Make any necessary changes to remove the restrictions on accessing this folder.

## Version 1.10.0

### January 8, 2019

- An issue where advanced filter expressions did not work properly has been fixed.
- You can clone the PBCS Integration role and assign your specific permissions to it.



**Important:** If you had been using a custom role for your integration before this release, instead of the recommended PBCS Integration role, make sure that the **Customer Record Entries** permission level assigned to your custom role is **Edit**. If the permission level is not Edit, you will receive an INSUFFICIENT\_PERMISSION error message.

#### To check that the permission level is Edit:

1. Log in to NetSuite, and go to Setup > Users/Roles > Manage Roles.
2. In the list of roles, click the link to your custom role.
3. Under the **Permissions** subtab, go to the **Lists** sublist.
4. Find the **Custom Record Entries** permission, and check that the level is **Edit**.

#### To change the permission level to Edit:

1. Log in to NetSuite, and go to Setup > Users/Roles > Manage Roles.
2. In the list of roles, click **Edit** next to your custom role, or **Customize** next to a role of your choice.

3. Under the **Permissions** subtab, go to the **Lists** sublist.
4. Find the **Custom Record Entries** permission, and change the level to **Edit**.

## Version 1.09.1

### December 4, 2018

Functionality improvement: request retry on file-splitting failure

## Version 1.09.0

### November 6, 2018

An exported file size issue when working with a very large number of transactions has been resolved.

## Version 1.08.0

### August 7, 2018

Unrealized gain/loss is now presented in the subsidiary currency

## Version 1.07.0

### June 19, 2018

Unrealized Gain/Loss accounts are now available

## Version 1.06.0

### May 8, 2018

Support for complex Saved Searches was added: joined tables and parentheses are now supported



**Important:** If you experienced issues with filters for Saved Searches prior to this update, you must reinitialize the source system in PBCS for this update to take effect.

## Version 1.05.0

### March 20, 2018

Compatibility with NetSuite 2018.1 was added



## Version 1.04.0

### **December 5, 2017**

- A PBCS menu item was added to NetSuite
- Information about the API version was added to RESTlet calls
- Filtering of Saved Searches was fixed

## Version 1.03.0

### **October 10, 2017**

An Internal ID bug fix was provided

## Version 1.02.0

### **August 10, 2017**

A checksum and file line summary for validation was added

## Version 1.01.0

### **June 6, 2017**

Due to the use of a new search API, the performance was improved

## Version 1.00.0

### **March 20, 2017**

The first version of Oracle NetSuite PBCS Sync was released