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 (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 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 PBCS, see Setting Up Menu Navigation to PBCS.

For information about the changes in each release, see the Oracle NetSuite PBCS Sync Version Notes.

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**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 that would 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.

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

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 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:
Oracle NetSuite PBCS Sync Setup Guide

- 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.

This SuiteApp is a shared bundle. Before you can install the bundle, it must be shared with your account.

**To install 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. Click the link for the Oracle NetSuite PBCS Sync SuiteApp.
6. On the Bundle Details page, click Install.

For general information on installing SuiteApps, see the help topic Installing a Bundle.

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.

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 have 16, 24, or 36 characters.

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

Follow instructions in Adding an Employee 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.

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 Enabling 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 Creating an Integration Record.
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 Managing TBA Tokens.

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).

**Customizing PBCS Saved Searches**

The following saved searches are included in the Oracle NetSuite PBCS Sync SuiteApp:

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

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

**Important:** If you change the search ID, the new ID must still begin with customsearch_nspbcs. If the saved search does not have this prefix, it is not available for use with PBCS.

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

Creating Custom Saved Searches for PBCS

You can create saved searches to use with PBCS. To do this, go to Reports > Saved Searches > All Saved Searches > New.

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 customsearch_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.

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

The Oracle NetSuite PBCS Sync SuiteApp enables you to extract metadata from NetSuite entities and use them in Oracle PBCS. You can extract metadata from the following entities:

- Account
- Customer
- Item

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 metadata to Oracle PBCS.
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.
2. Click **Refresh** in the upper-left corner of the portlet to reload and update the status of the export.
   When the export is complete, the **Download** link will appear in the File column.
3. Click **Download** to save the exported CSV file to disk.
   This will download 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** and **Refresh**, 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 2.0

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 > 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