

NetSuite ERP API Provider Setup

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To set up a new application in NetSuite ERP, you must have Administrator integration privileges. Contact your system administrator if you do not have those privileges.

To authenticate a connector instance with NetSuite ERP, you must [know your Account ID](#) and use one of two authentication methods:

- [Custom Authentication](#)
- [Basic Authentication](#)

Note: some Netsuite form fields are not returned in API responses without adjusting settings manually in the Netsuite user interface. For more information and how to address it if encountered, see [our documentation](#).

Get NetSuite Account ID

To locate your Account ID, do the following:

1. Via a web browser, log in to your NetSuite account:
 - Sandbox:
 - Production: <http://netsuite.com/login>
2. In Oracle Netsuite, Go to **Setup**, click **Company**, open **Company Information** then go to **ACCOUNT ID**.
3. Copy the **ACCOUNT ID**.

Note: While the ACCOUNT ID is also visible in the URL, to avoid errors always copy the **Account ID** from the Setup.

Custom Authentication

SAP Open Connectors supports NetSuite Token Based Authentication with a Custom authentication type. For additional information, see the detailed information at [NetSuite Token-Based Authentication documentation](#).

Note: To use token-based (Custom) authentication, set up a new user linked to a single role. If you use an existing user, they might have multiple roles. Then the role used by the webservice might not match the role selected as the webservice role.

In order to authenticate using token-based/custom authentication, you must provide:

- Consumer key
- Consumer secret
- Access token ID
- Access token secret

You will also need to enable token-based authorization for your account, create an integration record for your application, create a relevant role, assign the role to a user, and generate your credentials/token.

Follow these steps:

1. Sign in to Netsuite, navigate to **Setup > Company > Enable Features > Suite Cloud > Manage Authentication**. Enable Token-Based Authentication and click **Save**.

The screenshot shows the Oracle NetSuite Home dashboard. At the top, there is a navigation bar with the Oracle logo, 'NETSUITE', a search bar, and user information for Alex Wolfe (Honeycomb Mfg SDN (Trailing) - Administrator). Below the navigation bar, the main content area is titled 'Home' and includes a 'Viewing: Portlet date settings' dropdown, 'Personalize' and 'Layout' options, and a 'Home' header. The dashboard is divided into several sections:

- Reminders:** A list of reminders including '1 NetSuite System Alert to Acknowledge...', '9 SuiteBundles to Update', '12 Tasks to complete', and '1 Items with No Display Name'.
- My login audit:** A table showing login history:

Previous Login	6/6/2017 4:39 am
Previous Login	6/6/2017 4:39 am Using Browser
Previous Mobile Login	-
Successful Logins Today	45
Previous Login	6/6/2017 10:31 am Failure
Login Failures Today	1
Previous Password Change	1/26/2017 8:17 am
Password Expiration	-
- Shortcuts:** A list of shortcuts including 'Demand Planning Demo Items Results' and 'Build Price Variance By Month Results'.
- New Release:** A section for 'Release 2017.1' featuring a hand pointing at floating currency symbols. It includes three feature highlights:
 - Global Financials:** Manage your general ledger seamlessly across subsidiaries and currencies. Use GL Impact Locking to meet new GRC and compliance requirements. Post your OneWorld Intercompany journal entries across 3+ subsidiaries, with relaxed currency restrictions. Define custom FX gain/loss posting rules to accommodate local statutory compliance requirements. [LEARN MORE](#)
 - Supply Chain Management & Inventory:** Track your supply chain more accurately and efficiently. View in-transit inventory in Group Average Cost and the Stock Ledger report. Utilize intercompany transfer orders to transfer at cost. Define criteria on the Commit Orders page to set up order commitment schedules quickly and easily. View consolidated supplier metrics and other information in the Vendor Dashboard. [LEARN MORE](#)
 - Order Fulfillment & Promotions:** Increase sales with more order fulfillment flexibility. Maximize customer revenue opportunities by offering promotions that are stackable, may be applied automatically, and are compatible with multiple shipping routes per order. Apply shipping promotions after discounts. Offer customers more choice and faster delivery with in-store pickup for items they order online. [LEARN MORE](#)

At the bottom right of the dashboard, there is a link: [See more new features >>](#)

2. To create an integration record, navigate to **Setup > Integration > Manage Integrations** and select **New**.
3. On the **Integration** page, do the following:
 1. Provide a name for your integration in the **Name** field
 2. Enable **Token-Based Authentication** and **TBA: Issuetoken Endpoint**
 3. Disable **TBA: Authorization Flow** and **Authorization Code Grant**
 4. Enable **User Credentials**
 5. Click **Save**

Integration

The screenshot shows the 'Integration' configuration page. At the top, there are 'Save', 'Cancel', and 'Reset' buttons. The 'NAME' field contains 'myIntegration' (marked with a red circle 1). The 'STATE' dropdown is set to 'Enabled'. Below the 'NAME' field is a 'DESCRIPTION' text area. To the right, there are fields for 'NOTE', 'CONCURRENCY LIMIT', and 'MAX CONCURRENCY LIMIT' (set to 4). On the far right, there are labels for 'CREATED', 'CREATED BY', 'LAST STATE CHANGE', and 'LAST STATE CHANGED BY'. The 'Authentication' section is expanded, showing 'Token-based Authentication' with 'TOKEN-BASED AUTHENTICATION' and 'TBA: ISSUETOKEN ENDPOINT' checked (marked with a red circle 2). 'TBA: AUTHORIZATION FLOW' is unchecked. Below this is the 'OAuth 2.0' section (marked with a red circle 3), which includes 'AUTHORIZATION CODE GRANT' (unchecked), 'REDIRECT URI', 'SCOPE' (with 'RESTLETS' and 'REST WEB SERVICES' options), and three dropdown menus for 'APPLICATION LOGO', 'APPLICATION TERMS OF USE', and 'APPLICATION PRIVACY POLICY'. The 'User Credentials' section (marked with a red circle 4) has 'USER CREDENTIALS' checked (marked with a red circle 5). At the bottom, there are 'Save', 'Cancel', and 'Reset' buttons. Red arrows point from the circles to the corresponding fields or sections.

After saving your integration, your consumer key and secret are displayed. Record these values, as this is the only time they will appear, and they cannot be retrieved again.

4. Create a new custom role for the token-based authentication user by navigating to **Setup > Users/Roles > Manage Roles > New**.
5. On the Role page, do the following:
 1. Provide a name for the role in the **Name** field.
 2. In the Setup tab of the Permissions section, add the **User Access Tokens** permission. Also add any additional relevant permissions based on your integration's needs and scope; for detailed information about available permissions, see Netsuite's [documentation](#).
 3. Click **Save**.
6. After successfully creating the role, navigate to **Lists > Employees > Employees**. Either select an existing employee listing, or create a new one.
7. In the **Roles** section of the **Employee** page, assign the role you created above by selecting it from the **Role** menu and clicking **Add**. Click **Save** after assigning the role.
8. After creating the employee and assigning the role, navigate to **Setup > Users/Roles > Access Tokens > New**.
9. On the **Access Token** page, select the application, user, and role you created above. Add a name for your token, and then click **Save**.

After saving the access token, your token ID and secret are displayed. Record these values; as with the consumer key and secret above, this is the only time the token ID and secret will be displayed.

Basic Authentication

Basic Authentication requires four fields: **Email** of an authenticated user, **Password** for the same user, **Account Id**, and an **Application Id**.

To prepare for basic authentication:

1. Copy the Netsuite Account ID from the steps from the above [Get NetSuite Account Id](#) section.
 2. Create a new Integration record for SAP Open Connectors. Go to **Setup > Integration > Mange Integrations > New**.
 3. Enable **State** and **Token-Based Authentication**.
 4. On the confirmation screen, note the **Application ID**.
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