

# NetSuite 2021.2 Release Notes

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**Important:** This document summarizes the changes to NetSuite between 2021.2 and the previous release.

These release notes are subject to change every week.

Ensure you review the release notes section of the [Help Center Weekly Updates](#) for a list of the changes made in this build of the release notes.

The 2021.2 enhancements and changes listed in this document are not available to customers until they are upgraded to NetSuite 2021.2. Please check the version number at the bottom of your Home page if you are unsure which NetSuite version you are using. The features and SuiteApps described here may not be available in your NetSuite account. Your access to these features and SuiteApps is subject to the terms of service in your NetSuite contract. Some features may require extra purchase.

Click the following links for details about product changes:

## NetSuite

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- [New Rate Provider for Currency Exchange Rate Integration](#)
- [Advanced Numbering Duplicate Detection for Imported Transactions](#)
- [Preference to Allow Non-posting Changes in Closed Periods by Default](#)
- [Enhancement to Accounting Book Visibility by Role](#)
- [SuiteApprovals Enhancements](#)
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- Support for New Customer-Scheduled Maintenance
- Core Administration Permissions Feature Enabled by Default
- Record Pages Monitor Updates

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- France Localization Enhancements
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# Commerce

## Commerce · Commerce Website Management and Performance

- Ability to use Machine Learning to Calculate and Display Product Recommendations
- Ability to Hide Translated Content
- New Payment Link Feature
- Changes in Knowledge Base Search Results

## Commerce · Commerce Website Setup

- Removal of Legacy Tab from Site Builder Website Record

## Commerce · SC/SCMA/SCA — SuiteCommerce Solutions



**Note:** For a comprehensive list of 2021.2 releases of SuiteCommerce, SuiteCommerce MyAccount, and SuiteCommerce Advanced (including minor releases), see [SC/SCMA/SCA — SuiteCommerce Solutions](#).

- ACH Payments Available for SuiteCommerce Websites
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- Configuration Changes
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## Commerce · SuiteCommerce InStore

- Release Summary

## SuiteApps

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- Banking SuiteApps
- Food and Beverage SuiteApps
- Inventory Management SuiteApps
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- Order Management SuiteApps
- Projects SuiteApps
- SuiteAnalytics SuiteApps
- SuitePeople SuiteApps
- Taxation SuiteApps
- Vendors, Purchasing, and Receiving SuiteApps
- Wholesale Distribution SuiteApps

## Accounting

NetSuite 2021.2 includes the following enhancements to accounting features:

- New Rate Provider for Currency Exchange Rate Integration
- Advanced Numbering Duplicate Detection for Imported Transactions
- Preference to Allow Non-posting Changes in Closed Periods by Default
- Enhancement to Accounting Book Visibility by Role
- SuiteApprovals Enhancements
- Advanced Localization Features Enhancements
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- Contra Account Sheets Now Available in SuiteApp Marketplace
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- Localization Assistant Features
- NFP SuiteApps Update Verification Now Available
- Portugal Invoice Certification Document Series
- Expense Commitments and Budget Validation Enhancements
- Social Impact Standard Edition Enhancement
- Budget Validation for Transactions with Items
- Custom Segments Update in Labor Expense Allocation Preferences
- United Kingdom Localization Enhancements

## New Rate Provider for Currency Exchange Rate Integration

As an enhancement to the Currency Exchange Rate Integration feature, HSBC is now a currency exchange rate provider. HSBC is a global bank with expertise in multiple currencies. NetSuite offers the same methods, such as triangulation, for obtaining exchange rates from HSBC as from other rate providers.

When you enable the Currency Exchange Rate Integration feature for the first time, HSBC is the default rate provider. You can choose a different rate provider if you want to.

For information about the Currency Exchange Rate Integration feature, see the help topic [Currency Exchange Rate Integration](#).

## Advanced Numbering Duplicate Detection for Imported Transactions

NetSuite now supports duplicate document number detection for advanced numbering. When you import a transaction, NetSuite determines which numbering rule applies to it using your rules' criteria. Then, NetSuite checks if a transaction with the same document numbers already exists for the rule. If NetSuite detects a duplicate it takes one of the following actions, based on your Duplicate Number Warnings setting:

- **No Warnings** - NetSuite does not warn you when imported transactions use duplicate document numbers and imports all transactions.
- **Warn (UI Only)** - NetSuite warns you when imported transactions create duplicate document numbers and imports all transactions.
- **Warn and Block** - NetSuite warns you when imported transactions create duplicate document numbers, and does not import these transactions.

The behavior of these options when saving transactions in the UI is unchanged from previous releases.

To set up duplicate detection for imported transactions, go to Setup > Accounting > Preferences > Accounting Preferences > Items/Transactions > Other Transaction Preferences, and set the Duplicate Number Warnings preference.

For more information, see the help topics [Items/Transactions Accounting Preferences](#) and [Duplicate Number Warnings](#).

## Preference to Allow Non-posting Changes in Closed Periods by Default

NetSuite now includes a preference called Allow Non-GL Changes Is Set by Default to allow non-posting changes in closed periods by default. When set, NetSuite checks the Allow Non-G/L Changes box for each new accounting period you create. Accounting periods created before setting this preference remain unchanged.

In this release, you can also check or clear the Allow Non-G/L Changes box on all accounting periods, including unlocked periods.

To set this preference, go to Setup > Accounting > Preferences > Accounting Preferences > General.

For more information, see the help topics [General Accounting Preferences](#) and [Setting Up Single Accounting Periods](#).



## Enhancement to Accounting Book Visibility by Role

This release includes updates to how you select which accounting books are accessible to users by role. Users with a role that gives them access to an accounting book can post transactions to that book or see reports from that book.

With this updated functionality, you can grant a role access to all accounting books, and users with this role can automatically access new accounting books.

To set this preference by role, go to Setup > Users/Roles > User Management > Manage Roles. For each role, you can select one of the following options from the Selected Accounting Books field:

- **All** - This role can see all accounting books
- **Primary** - This role can see only the primary accounting book
- **Primary and Selected** - This role can see the primary accounting book and any secondary books you select. When you select this option, an Accounting Book field appears, and you can select which secondary books the role has access to.

For more information, see the help topic [Restricting Role Access to Accounting Books](#).

## Account Setup and Maintenance

NetSuite 2021.2 includes the following enhancements to account setup and maintenance features:

- [New Sandbox Refresh Options for Non-standard Service Tiers](#)
- [Support for New Customer-Scheduled Maintenance](#)
- [Core Administration Permissions Feature Enabled by Default](#)
- [Record Pages Monitor Updates](#)

## New Sandbox Refresh Options for Non-standard Service Tiers

If you are on a Premium, Enterprise, or Ultimate service tier, your sandbox refresh options are expanding. Each of your sandbox accounts has the option to be refreshed from either your production account or another sandbox account. The account where the data is copied from is referred to as the source account. Refreshing a sandbox account copies all configurations, data, user passwords, and customizations from the source account into the target sandbox account.

You cannot copy data from the following types of accounts:

- The sandbox account you are trying to refresh
- Sandbox accounts not associated with your production account
- Sandbox accounts with expired licenses
- Sandbox accounts that are inactive



**Note:** Source accounts that are actively being used as a refresh source will be disabled in the dropdown list until the refresh completes.

For more information about refreshing sandbox accounts, see the help topic [Refreshing Sandbox Accounts](#).

## Support for New Customer-Scheduled Maintenance

You can now reschedule an increasing number of maintenance activities using the Customer-Scheduled Maintenance page, including certain routine maintenance and the Account Move to OCI.

To learn more about Customer-Scheduled Maintenance, see the help topic [Customer-Scheduled Maintenance](#).

## Core Administration Permissions Feature Enabled by Default

By default, the Core Administration Permissions feature is now enabled on all accounts. Core Administration Permissions is a feature that can be enabled for a role and gives the role access to a functionality that is currently only accessible to the standard Administrator role. You can use Core Administration Permissions to customize a role so that it behaves almost like the Administrator role, while also restricting access to other areas of NetSuite using role permissions and restrictions. You can assign Core Administration Permissions to any role, by checking the Core Administration Permissions box.

For more information, see the help topic [Core Administration Permissions](#).

## Authentication

This release note was updated [December 15, 2021](#).

NetSuite 2021.2 includes the following enhancements to authentication features:

- [Enhancements to NetSuite OAuth 2.0 Support](#)
- [End of Support for HMAC-SHA1 Signature Method for TBA Postponed](#)
- [Enhancements to the SAML Single Sign-on Service Provider-initiated \(SP\) Flow for Web Store](#)
- [New Look for NetSuite Authentication Email Messages](#)
- [Create Your Own Test Window for HMAC-SHA1 in TBA Integrations](#)

## Enhancements to NetSuite OAuth 2.0 Support

NetSuite 2021.2 introduces the client credentials flow, a new type of OAuth 2.0 flow, and provides updates to the consent screen.

In addition, the consent screen is now designed for better readability and easier use. The **Allow/Continue** button is now highlighted.

### OAuth 2.0 Client Credentials Flow


As of NetSuite 2021.2, you can implement the OAuth 2.0 client credentials flow. The standard OAuth 2.0 client credentials flow has one step and does not require any user interaction.

To use the OAuth 2.0 client credentials flow, the Administrator must check the **Client Credentials Grant (Server-To-Server)** box in the integration record. The Administrator must also register the public key with the integration, and the account. Every integration-account pair must have its own public key.

There is no user interaction during the OAuth 2.0 client credentials flow. The Administrator gives consent automatically when the flow initiates. It is possible to manually revoke the consent to invalidate the access token for an integration.

**Request to the token endpoint in OAuth 2.0 client credentials flow consists of two steps:**

- An application sends the request parameters for authentication.
- If the request is successfully authorized, the system issues an access token, valid for 60 minutes. There is no refresh token. The application must authenticate again after the access token expires.

 **Note:** The use of public clients is not supported for the OAuth 2.0 client credentials flow.


## Updated Consent Screen Design

You can now choose how often a consent screen displays during the OAuth 2.0 authorization code grant flow.

There is a new field on the integration record, where you can choose to always display the consent screen, never display it, or display it the first time only. See the following for more details about these options:

- **Ask always** - This is the default option. The consent screen displays every time the OAuth 2.0 code grant flow is initiated.
- **Ask never** - The consent screen does not display during the OAuth 2.0 code grant flow. The integration is autoapproved by the Administrator.
- **Ask for the first time** - The consent screen only displays the first time the OAuth 2.0 code grant flow is initiated. The consent screen also displays if any of the following is true:
  - The consent was not given previously
  - The system does not know which role or account to choose for the user to log in with
  - The application requires a different set of scopes and needs a new consent

Integration developers can adjust the consent screen options using the prompt parameter in Step One of the OAuth 2.0 code grant flow.

 **Note:** If there is no active NetSuite session, the user must authenticate even if the consent screen does not display. If there is no active session, the user is redirected to the NetSuite login form or to an identity provider's login form.

## End of Support for HMAC-SHA1 Signature Method for TBA Postponed

The end of support for the HMAC-SHA1 signature method for the Token-based Authentication (TBA) feature has been postponed. Previously, the end of support was targeted for NetSuite 2022.1. The new target date for the end of support will be announced later. Even though the end of support has been delayed, you should update your integrations to use HMAC-SHA256 as soon as possible.

After the end of support, any integrations using the TBA feature with HMAC-SHA1 as a signature method will stop working. The end of support and the request to change the signature method to HMAC-256 also applies to third-party integrations.

You must use the HMAC-SHA256 signature method to create new integrations for use with TBA.

Before the end of support, you must update your authorization header to use HMAC-SHA256. To update the authorization header, change the values of the `oauth_signature_method` parameter and the `oauth_signature` parameter to HMAC-SHA256.

For more information, see the following help topics:

- [Example OAuth Header](#)
- [The Authorization Headers](#)

## ■ The Signature for Web Services and RESTlets



**Important:** If you are using a library for signing, verify that the library supports HMAC-SHA256, and if needed, update to a library with HMAC-SHA256 support.

## Enhancements to the SAML Single Sign-on Service Provider-initiated (SP) Flow for Web Store

As of 2021.2, the SAML Single Sign-on feature for web store setup is enhanced. It is now possible to make SAML SSO a primary authentication method for SAML SSO on the SAML SSO for web store setup page. To make SAML SSO the primary authentication method, check the **Primary Authentication Method** box on the setup page. By checking the box, you choose the service provider-initiated flow to be used for your web store.

- By default, the **Primary Authentication Method** box is not checked for new web store setup. If you used the SAML Single Sign-on feature for web store before, the box is checked by default. If SAML users click a link to access NetSuite when no active NetSuite session exists, they are redirected to the NetSuite login page. This redirect might cause issues for users who do not know their NetSuite credentials.
- If the Administrator checks the **Primary Authentication Method** box, users can be redirected to the external IdP login page. This redirect is available if:
  - The user has already logged into NetSuite, and the redirect occurs based on previous experience with NetSuite
  - The access link identifies the web store by a web store-specific domain URL.
 Users will be redirected to the IdP login page when the session times out.



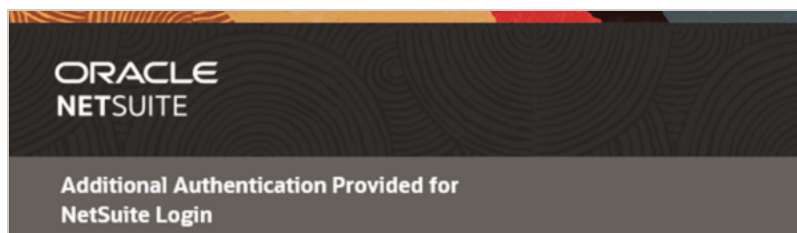
**Note:** If the **Primary Authentication box** is checked, and a user clicks a link containing the **c** or **compid** URL parameter or the account-specific domain URL, the user is redirected to the external IdP login page. The originally requested URL is passed as a RelayState parameter, in accordance with the SAML 2.0 specification. As a result, the IdP can direct the user back to the correct NetSuite resource after authentication. If there is a live session for the IdP, the user is redirected back to the NetSuite resource without being asked for credentials.

For more information, see the help topic [SAML Single Sign-on Access to Web Store](#).

## New Look for NetSuite Authentication Email Messages

NetSuite system-generated email messages related to authentication, including messages about password expiration, password reset, and security questions, have a new look. This new design is intended to provide better readability.


The following image is an example of the header for redesigned authentication messages.



Both users and administrators will see the new look in authentication-related email messages.

## Create Your Own Test Window for HMAC-SHA1 in TBA Integrations


As of NetSuite 2022.1, the HMAC-SHA1 signature method for Token-based Authentication (TBA) integrations will no longer be supported, and any integrations still using it will stop working. To help you prepare for the end of support, you can temporarily disable the HMAC-SHA1 signature method for TBA in your production account. Disabling HMAC-SHA1 temporarily allows you to test your TBA integrations to verify that they are not using the HMAC SHA1 signature method.

 **Note:** Support ended on July 30, 2021 for the HMAC-SHA1 signature method for TBA integrations in all non-production accounts, such as sandbox, test drives, development accounts, and Release Preview accounts.

To temporarily disable HMAC-SHA1 for TBA in your NetSuite production account:

1. Go to Setup > Company > Setup Tasks > Enable Features.
2. Click the **SuiteCloud** tab, and scroll down to the Manage Authentication section.
3. Check the **Disable HMAC-SHA1 for Token-based Authentication** box.

To re-enable HMAC-SHA1 for TBA, clear the Disable HMAC-SHA1 for Token-based Authentication box.

 **Important:** You must update any TBA integrations to use HMAC-SHA256 for the signature method before the end of support in NetSuite 2022.1. Accounts will be upgraded to 2022.1 between February and April of 2022.

For more information, see the help topic [The Signature for Web Services and RESTlets](#).

## Banking

As of NetSuite 2021.2, banking features include the following enhancements:

- [Automated Cash Application](#)
- [Enhancements to Matching and Reconciliation](#)
- [Support for SFTP Download Directory Using Absolute Path](#)
- [CSV Parser Plug-in Now Available in Bank Statement Parsers](#)

## Automated Cash Application

You can import bank lines that do not have matching customer payments in NetSuite. The Automated Cash Application feature lets you automatically generate a batch of general ledger customer payments in NetSuite and apply them to open invoices. If you receive a high volume of customer payments daily, this feature helps you apply them to open accounts receivable accounts in bulk.

You can automate cash application at Transactions > Bank > Automated Cash Application. Alternatively, if you are matching transactions on the Match Bank Data page and want to automatically generate customer payments, click **Automated Cash Application** in the top-right corner. For permission details, see the help topic [Permissions for Banking Features](#).

The Automated Cash Application feature enables you to do the following:

- View all imported bank lines with a positive amount that are not matched with a corresponding account transaction. If you match an account transaction on the Match Bank Data page, the corresponding imported bank line no longer appears on the Automated Cash Application page.
- View the name of the customer to which each imported bank line belongs (or possibly belongs). The system can automatically assign a customer to a bank line using an exact match, partial match, or preferred match. If no match is achieved, you can select a customer. See the help topic [Customer Match Criteria](#).
- Create customer mapping rules that the system can remember and use to map customers to future incoming bank lines. See the help topic [Adding or Changing a Customer](#).
- View the invoice or invoices to which a payment will be applied. If the imported bank line does not specify an invoice number, NetSuite provides a list of suggested invoices to which the payment can be applied. See the help topic [Reviewing Invoices for an Imported Bank Line](#).

The system makes invoice suggestions based on the **Apply Payments Without Invoice Numbers** preference. See the help topic [Setting Accounting Preferences](#).

- View the payment amount applied to each invoice. The system automatically allocates payment amounts to invoices, taking into consideration whether the invoice is pre-allocated in other payments. You can adjust applied amounts on each invoice.
- View all open invoices for a customer, and include or exclude those invoices from the payment application. See the help topic [Viewing Open Invoices for a Customer](#).
- Automatically match and clear general ledger customer payments with your imported bank lines. When the system generates customer payments, the system automatically clears and removes the payments from the Match Bank Data page. You can reconcile the payments on the Reconcile Account Statement page. See the help topic [Reconciling Transactions](#).

For information about the Automated Cash Application feature, see the help topic [Automated Cash Application](#).

## Enhancements to Matching and Reconciliation

Bank data matching and reconciliation include the following enhancements:

- [Bulk Matching](#)
- [Automatically Clear Held Transactions](#)
- [Enhancements to Navigation](#)
- [Enhancements to Adding Transactions](#)

### Bulk Matching


The Match Bank Data page now includes a **Select All** box. This box lets you check or clear all the boxes for all items visible in the current page of the Account Transactions grid.

The bottom section in which selected items from the grids appear, and the popup windows for viewing matched or cleared transactions, are now paginated. Consequently, you can find transactions with limited scrolling. For large numbers of transactions, pagination can help improve performance, because the browser does not have to display all selected transactions at once.


The **Number of Rows in List Segments** preference determines how many rows the bottom section can display per page. Each page can display a maximum of 500 rows at a time.

## Automatically Clear Held Transactions

Previously, when migrating a held statement from the original reconciliation pages to the redesigned pages, you had to clear all transactions on the Match Bank Data page.

 **Note:** A held statement is one you have begun to reconcile but have chosen to complete later.

The system automatically clears all held transactions and displays them on the Reconcile Account Statement page. To reconcile the transactions, see the help topic [Reconciling Transactions](#).

 **Warning:** The Reconcile Bank Statement and Reconcile Credit Card Statement pages are still functional but are no longer supported. If your accounts still use these pages, you should edit your accounts to use the Match Bank Data and Reconcile Account Statement pages. For details, see the help topic [Editing an Account](#).

## Enhancements to Navigation

The Reconcile Account Statement page now includes links to the Match Bank Data and Reconciliation Summary pages. When you select an account on the Reconcile Account Statement page, you can click the following links:

- **Match Bank Data** - View the imported bank lines and corresponding account transactions to match for your account. If you did not select an account on the Reconcile Account Statement page, the account field and data grids are not populated.
- **Reconciliation Summary** - View a reconciliation summary for the account.

## Enhancements to Adding Transactions

Prior to this release, when adding a new transaction on the Match Bank Data page, the **Payor** list did not display all types of entities. Now, the **Payor** list includes the types of entities available for the corresponding transaction.

Newly created transactions now appear at the top of the list in the bottom section.

For information about adding transactions on the Match Bank Data page, see the help topic [Manual Creation of Account Transactions During the Matching Process](#).

## CSV Import

NetSuite 2021.2 includes the following enhancements to CSV Import:

- [Newly Supported Record Types for CSV Import](#)

### Newly Supported Record Types for CSV Import

Record Type	Newly Exposed or Updated	Notes
<a href="#">Order Reservation Import</a>	Newly Exposed	You can now import order reservations into NetSuite using the CSV Import Assistant.

Record Type	Newly Exposed or Updated	Notes
		<p>An order reservation enables you to set aside multiple sources of supply for a specific group of future demands. This helps you to ensure that supplies are saved for high priority customers.</p> <p>To import order reservations with the CSV Import Assistant you must enable the Sales Channel Allocation feature and you must have the Import CSV File permission.</p>
<a href="#">Sales Channel Import</a>	Newly Exposed	<p>Using the CSV Import Assistant you can now import sales channels into NetSuite.</p> <p>A sales channel is a category of sales transaction that you can differentiate by customer type and distribution channel, such as web-shop or retail outlet.</p> <p>To import sales channels with the CSV Import Assistant you must enable the Sales Channel Allocation feature and you must have the Import CSV File permission.</p>

## Commerce

NetSuite 2021.2 includes the following enhancements to Commerce features:

- [Commerce Website Management and Performance](#)
- [Commerce Website Setup](#)
- [SC/SCMA/SCA — SuiteCommerce Solutions](#)
- [SuiteCommerce Analytics Data](#)
- [SuiteCommerce InStore](#)

## Commerce Website Management and Performance

This release note was updated [November 10, 2021](#).

NetSuite 2021.2 includes the following enhancements to Commerce site management features:

- [Ability to use Machine Learning to Calculate and Display Product Recommendations](#)
- [Ability to Hide Translated Content](#)
- [New Payment Link Feature](#)
- [Changes in Knowledge Base Search Results](#)

## Ability to use Machine Learning to Calculate and Display Product Recommendations



**Important:** Intelligent Item Recommendations are available only for accounts that meet specific criteria. For more information on the current criteria, see the help topic [Account Requirements for Intelligent Item Recommendations](#).

If Intelligent Item Recommendations are not suitable for your account, the feature will not be available to select on the Enable Features page.

The Intelligent Item Recommendations feature uses artificial intelligence algorithms to calculate and display items a shopper may be interested in buying. The algorithms use data such as:



- what the shopper bought in the past
- what other shoppers with similar transaction history bought in the past
- what other items were bought by customers who bought a specific item

Two types of intelligent recommendations are available:

- **“For Shopper” recommendations** - often called “You might like” recommendations, these are specific to each shopper and are based on the shopper’s purchase history and items bought by shoppers with a similar purchase history.
- **“For Item” recommendations** - often called “Customers who bought this also bought” recommendations, these are specific to each item and are based on the purchase history of other shoppers who bought the selected item.

To use intelligent recommendations, you must first enable the feature and install and activate the Intelligent Item Recommendations extension. After this, you can create recommendation scenarios, if needed.

Recommendation scenarios are a set of configuration guidelines that the machine learning algorithm follows while calculating which items to recommend. Each recommendation scenario applies to a single website and recommendation context (For Shopper or For Item). When you enable intelligent item recommendations, NetSuite creates a default recommendation scenario for each website and recommendation context. The default scenarios are suited to most businesses but you can modify them or create your own scenarios, if needed.

The guidelines defined in a recommendation scenario include:

- **Website** - the website on which this recommendation scenario is to be used.
- **Recommendation context** - whether the scenario is for use in a For Item or a For Shopper recommendation context.
- **Freshness** - the degree to which the recommendations should prioritize items recently added to the website.
- **Novelty** - the degree to which the recommendations should prioritize items that shoppers rarely see.
- **Diversity** - the degree to which the recommendations should prioritize items that are different from each other.

You can then use Site Management Tools (SMT) to add the Recommended Items content type to your website. You can add multiple Recommended Items content types to your website. For Shopper recommendations can be added anywhere in the website, for example to the home page or the checkout page. For Item recommendations can be added only to product display pages. When you add a Recommended Items content type to your website, you can select the recommendation scenario you want to use.

After intelligent item recommendations are live on your website, the machine learning algorithms process and learn from the transaction data periodically and the recommendations shown to shoppers regularly change and improve.

For more information, see the help topic [Intelligent Recommendations](#).

## Ability to Hide Translated Content

If you are working with a multi-language site, you can now hide translated content using Site Management Tools. This enables you to publish other changes, while hiding content that you are not ready to display. You can see a list of all your hidden translated content using the **Translation Status**

filter found on the **Translations** tab. For more information, see the help topics [Hiding Landing Page Translations](#) and [Hiding Website Content Translations](#).

## New Payment Link Feature

The Payment Link feature allows your customers to pay an invoice quickly and easily online, using a computer or mobile device. Instead of having to contact you and discuss payment, your customers can receive an email of the invoice with a link to the payment page. They can choose which method they want to use to pay, including credit cards and PayPal, from a list you have selected.

This is a NetSuite feature that can be used in conjunction with SuiteCommerce and SuiteCommerce Advanced. To use this feature, you must enable Payment Link in your company preferences. Before Payment Link will work with your store, you must ensure that you have enabled Payment Instruments and completed all tasks on the setup checklist, such as setting up your payment methods and invoice templates.

Once you have enabled the feature, you can configure Payment Link to select certain payment methods, allow partial payments, and include a company logo and information. You can also customize the email templates that are used to inform customers when payment is accepted or rejected.

After setup is complete, you can offer customers an easy and convenient way to pay invoices from a link or QR code in an email. On the Payment Link Checkout page, a customer can review the invoice, choose a payment method, and submit payment.

For more information, see the help topic [Payment Link](#).

## Changes in Knowledge Base Search Results

The Knowledge Base search will function differently with respect to search results. Knowledge Base search is used to search within solutions either externally, through SiteBuilder, or internally, in the Employee Center.

The search will no longer use full-text search. Instead, the search will only return the exact phrase entered.

For example, if you try finding the preferred phrase, “site maintenance domains list” by using the following searches, you will return different results:

- “Site list” – search terms entered will no longer return the preferred phrase
- “Site maintenance” – search terms entered will return the preferred phrase

For more information, see the help topic [Knowledge Base](#).

## Commerce Website Setup

NetSuite 2021.2 includes the following enhancements to site setup features for your Commerce website:

- [Removal of Legacy Tab from Site Builder Website Record](#)

## Removal of Legacy Tab from Site Builder Website Record

NetSuite no longer uses the fields on the Legacy tab on Site Builder website records. This obsolete tab will be hidden from NetSuite 2021.2 onwards.

**Note:** The fields will remain in the database so any customer scripts, dependent on these fields, will not be affected as part of this change.

## SC/SCMA/SCA — SuiteCommerce Solutions

These release notes refer to the latest release of the following SuiteCommerce Solutions:

- SuiteCommerce
- SuiteCommerce MyAccount
- SuiteCommerce Advanced

**Important:** SuiteCommerce Advanced releases are available as unmanaged bundles. Accounts are not automatically upgraded to the latest version during the standard NetSuite phased release process. For existing implementations, taking advantage of enhancements in a given SuiteCommerce Advanced release requires you to migrate changes into your existing code base. For details, see the help topic [Migrate SuiteCommerce Advanced](#).

## 2021.2.0 Release Notes

The latest versions of SuiteCommerce, SuiteCommerce My Account, and SuiteCommerce Advanced include the following enhancements. Complete release notes are available here: [2021.2 Release of SuiteCommerce, SuiteCommerce MyAccount, and SuiteCommerce Advanced](#).

- [ACH Payments Available for SuiteCommerce Websites](#)
- [Extensibility API Updates](#)
- [Configuration Changes](#)
- [Node.js Requirement Change](#)
- [Third-Party Library Updates](#)
- [Issue Fixes](#)

## Minor Release Notes

- [2021.2.3 Minor Release of SuiteCommerce, SuiteCommerce MyAccount, and SuiteCommerce Advanced](#)
- [2021.2.2 Minor Release of SuiteCommerce, SuiteCommerce MyAccount, and SuiteCommerce Advanced](#)
- [2021.2.1 Minor Release of SuiteCommerce, SuiteCommerce MyAccount, and SuiteCommerce Advanced](#)



**Important:** Commerce Themes and Extensions are only available if they are provisioned and set up in your account.

## Commerce Themes

Complete release notes on the latest themes for your SuiteCommerce and SuiteCommerce Advanced site are available here: [Commerce Themes Release Notes](#).

## Commerce Extensions

Complete release notes on the latest extensions for your SuiteCommerce, SuiteCommerce MyAccount, and SuiteCommerce Advanced site are available here: [Commerce Extensions Release Notes](#).

## SuiteCommerce Analytics Data

The SuiteCommerce Analytics Data feature uses an analytics cookie and cookie-consent technology to capture data populated by the shopper's browser interactions with a SuiteCommerce web store. Before capturing and storing a shopper's interactions, the shopper must actively opt-in by accepting the analytics cookie.

The feature includes a configurable [SuiteCommerce Cookie Consent Extension](#) that a web store administrator can install to inform shoppers about the cookies used, ask for their consent, and save their response.



**Important:** Shoppers must consent to enabling cookies before any data is captured and becomes accessible to the web store account. See the help topic [Shopper Notice and Explicit Consent](#).

When NetSuite receives analytics data from a session comprising a web store visit, the data is made available to the owning SuiteCommerce account via a Saved Search or Analytic Workbook. See the [Use Cases](#) for example scenarios.

## Release Summary

2021.2 is the first production release of SuiteCommerce Analytics Data feature. See the help topic [SuiteCommerce Analytics Data Overview](#).

## Custom Record Types

These records provide the field names, contents and joins to other records for SuiteCommerce Analytics Data. They form the basis for analytic queries run using Saved Searches and Workbooks.

- Action
- Campaign Analytic
- Customer
- Device
- Geography
- Journey
- Page URL
- Search
- Session
- User Interaction

See the help topic [Record Types](#) for SuiteCommerce Analytics Data.

## Cookie Consent Banners and Menus

The feature uses a banner and menu that is made available via the [SuiteCommerce Cookie Consent Extension](#) to SuiteCommerce sites. The extension is used to provide shoppers with information and consent capabilities for cookies used on a web store. See the help topics [Shopper Notice and Explicit Consent](#) and see the help topic [Cookies Available for Use With Analytics Data](#).

## Cookie Consent Text

NetSuite does not include default consent-management text. Web store owners are responsible for adding all consent information. Owners must also ensure the text complies with privacy regulations applicable to the countries, states or regions in which they do business. See the help topic [Install the SC Cookie Consent Extension](#).

## Saved Searches and Analytic Workbooks

Analytic data captured for a web store site becomes available to owners and authorized representatives via NetSuite Saved Searches and Analytic Workbooks. The feature does not come with pre-configured searches or workbooks. Instead, the documentation provides use cases, illustrations, and procedures to help users find the analytic information of interest. See the help topics [Creating a Saved Search for SuiteCommerce Analytics Data](#) and see the help topic [Creating a Workbook for SuiteCommerce Analytics Data](#).

## SuiteCommerce InStore

SuiteCommerce InStore (SCIS) uses a phased release process to distribute managed-bundle upgrades. Each phase consists of a different group of customers that receive the latest SCIS release. Administrators set up for customers within a phased group receive an email notification listing when their upgrade will occur.



**Note:** Contact your account representative or Customer Support if you have questions about the availability of SCIS 2021.2.

## Release Summary

This SCIS release provides updates that affect behind-the-scenes processing in NetSuite. The release has no functional changes that are visible at the point-of-sale.

# Employee Management

NetSuite 2021.2 includes the following enhancements to employee management features:

- [Expense Report Policies Available with Custom Approvals](#)
- [Improvements to Corporate Card Integration](#)
- [401\(k\) Retirement Plan Setup](#)
- [Custom Elective Deferral Limits and Automatic Catch-Up Calculation](#)
- [Performance Management Enhancements](#)
  - [New Areas of Focus](#)
  - [Performance Review Enhancements](#)
  - [Goals Portlet Enhancements](#)
- [Calendar Event Creation](#)

## Expense Report Policies Available with Custom Approvals

You can now apply expense report policies when you submit an expense report with custom approvals. Expense reports can be in Open, Pending, Approve or Reject approval status. A warning message appears if the expense report does not pass all of the policies.

For all user roles except the Administrator role, expense reports must meet the defined policy criteria before your users can save them. When you log in with the Administrator role, you should evaluate each expense report before saving the record. Previously, expense reports were not evaluated against expense policies when using custom approvals.

For more information, see the help topic [Expense Report Policies](#).

## Improvements to Corporate Card Integration

In NetSuite 2021.2, using corporate card integration, you can now do the following:

- Pass additional fields from a credit card statement to the imported employee expense record. Previously, only a given set of American Express fields were accepted.
- Using a custom SuiteScript code, import corporate card charges to an imported employee expenses record. The imported employee expense record is now fully exposed to SuiteScript.
- Using custom plug-ins, import corporate card data from American Express, Visa, Mastercard, or other providers. Previously, only the American Express card was supported. Creating custom plug-ins was not available due to record limitations.

For more information, see the help topic [Corporate Card Expenses](#).

## 401(k) Retirement Plan Setup

You can now set up 401(k) retirement plans to automatically calculate employer matching based on your company's policy. When setting up a retirement plan, you can do the following:

- Define a 401(k) plan based on an employee's gross income or a group of eligible earnings.
- Select the employee contributions that the 401(k) plan supports.
- Select the employee contributions that the employer will match.

- Set up employer matching based on a basic or advanced formula.
- Derive the respective deduction and company contribution payroll items from a 401(k) retirement plan.

For more information, see the help topics [Retirement Plan Setup](#) and [Deriving a Payroll Item from a Retirement Plan](#).

## Custom Elective Deferral Limits and Automatic Catch-Up Calculation

You can set the new **Decrease Elective Deferral Limits and Automatically Calculate Catch-Up** preference on the Set Up Payroll page under the Preferences subtab. When set, this new preference lets you do the following:

- Decrease the annual elective deferral limit for specific employees on their employee records.
- Decrease the annual catch-up limit for specific employees on their employee records.
- Calculate catch-up contributions automatically for eligible employees who have a catch-up deduction payroll item on their record. Eligible employees meet the following requirements:
  - Reach the annual elective deferral limit.
  - Be 50 years of age or older by the end of the current calendar year.

For more information, see the following help topics:

- [General Payroll Preferences](#)
- [Setting Up Automatic Catch-Up Over Age 50 Calculations](#)
- [Decreasing Elective Deferral Limits for an Employee](#)

## Performance Management Enhancements

The Performance Management feature introduces the following enhancements:

- [New Areas of Focus](#)
- [Performance Review Enhancements](#)
- [Goals Portlet Enhancements](#)

### New Areas of Focus

Areas of Focus encourage employees and managers to collaborate on a list of focus areas for the employee's career development. If you are an employee, you can create and manage your areas of focus to record areas of your career development you want to focus on. If you are a manager, you can provide guidance for your direct reports by creating areas of focus for them. Areas of Focus are available on performance reviews and through a link on the Goals page. Employees can then assign an Area of Focus to each goal to keep their goals aligned with their focus areas. You can also filter the All Goals page by an area of focus to view goal progress toward your career development or the career development of your direct reports.

For more information, see the help topic [Areas of Focus](#).

### Performance Review Enhancements

The following enhancements are now included on performance reviews:

- Kudos from other coworkers during the review period now appear on employee performance reviews.
- When a performance review is returned to you, you now receive an email notification. This informs the you that you need to take action on your review before it can move forward in the review process.
- If you have the Talent Administrator permission, you can now customize the employee acknowledgement message to provide specific information required by your company. The employee must read the message before completing their review.
- If you have the Talent Administrator permission, you can now view and edit performance reviews in the same format provided for employees and managers when completing reviews in the Employee Center. A new Mass Approve link is available on performance reviews, enabling Talent Administrators to approve multiple reviews at a time. List and Search links are also available on all performance reviews.
- The Performance Review list page now includes the following columns:
  - Review Period Start
  - Employee Due Date
  - Review Due Date
  - Review Completion Date
  - Review Status

For more information, see the help topic [Performance Reviews](#).

## Goals Portlet Enhancements

The Goals portlet now includes additional information to provide employees and managers with more context when taking actions on goals. The following changes are now included:

- The My Actions and Team Actions subtabs now show relevant information about each goal.
- The My Goals subtab now shows the number of days remaining to complete a goal and the number of days a goal is overdue.
- The My Team subtab now shows an overview of how many direct reports' goals are ahead of schedule, on track, and running behind.

For more information, see the help topic [Viewing Goals in the Goals Portlet](#).

## Globalization

NetSuite 2021.2 includes the following enhancements to internationalization features:

- [Increasing Key Field Length in Translation Strings](#)
- [Enhancements to Mass Update of Translations](#)
- [Ability to Hide +1 Country Calling Code for Countries Using this Prefix](#)
- [SDF Support for Translation String Validation](#)
- [Updates to Translations of Terms](#)

## Increasing Key Field Length in Translation Strings

As of NetSuite 2021.2, the maximum number of characters in the **Key** field in translation strings has been increased from 60 to 255 characters.



For more information, see the help topics [Working with Translation Collection Strings](#), [Manage Translations](#), and [Globalization Glossary](#).

## Enhancements to Mass Update of Translations

As of NetSuite 2021.2, Mass Update of Translations has been enhanced with the following functions in the Export Strings window of the Manage Translations feature:

- [Custom Data Type Definitions in Headers of XLIFF Files](#)
- [Mass Export of Translation Collection Strings Filtered by Specific SuiteApps](#)

## Custom Data Type Definitions in Headers of XLIFF Files

As of NetSuite 2021.2, you can define custom data type values in the headers of XLIFF files exported using the Manage Translations feature. This option is useful if you prefer to use data types other than the defaults.

To enter a custom data type definition, in the Export Strings window in the Manage Translations feature:

1. Check the Customize XLIFF header data type box.
2. Enter a user-defined value of the XLIFF 1.2 standard into the adjacent field.
3. After a successful export, the exported XLIFF file is of the custom data type specified in step 2.

The following image shows how to enter a custom data type:

For more information about exporting translation strings, see the help topic [Mass Update of Translation Strings](#).

## Mass Export of Translation Collection Strings Filtered by Specific SuiteApps

As of NetSuite 2021.2, you can export all of the translation collections that have been installed as part of a SuiteApp as a single export file.

In the Export Strings window for the Manage Translations feature, select a SuiteApp in the **SuiteApps for Export** list, choose the required languages, and click **Export**.

The following image shows a SuiteApp selected for export:

**Export Strings**

**SOURCE LANGUAGES**  
German, English (U.S.), Spanish

☒ Customize XLIFF header datatype

**SUITEAPPS FOR EXPORT**  
app.netsuite.test

☒ Include existing translations

**LANGUAGES FOR EXPORT**

**ALL LANGUAGES**

Type to filter

☐ 0 of 2

☐ English (International)

☐ Japanese

**SELECTED LANGUAGES**

Type to filter

☐ 0 of 2

☐ German

☐ English (U.S.)

**Export Strings** **Cancel**

For more information about translation strings, see the help topic [Manage Translations](#).

For more information about exporting translation strings, see the help topic [Mass Update of Translation Strings](#).

## Ability to Hide +1 Country Calling Code for Countries Using this Prefix

As of NetSuite 2021.2, you can hide the +1 country calling code in phone numbers if you comply with both of the following requirements:

- You use the Worldwide Support for Phone Number Formatting feature.
- Your company is located within a country that uses the +1 calling code.

The +1 calling code is used in the USA, in Canada, and in certain Caribbean, Caribbean Dutch, and British Overseas Territories.

This enhancement has been introduced to improve backward compatibility for users of the Worldwide Support for Phone Number Formatting feature.

To hide the +1 calling code, navigate to Setup > Company > General Preferences and check the **Use phone numbers without the +1 international country calling code** box.

For information about how to enable and use the Worldwide Support for Phone Number Formatting feature, see the help topic [Worldwide Support for Phone Number Formatting](#).

## SDF Support for Translation String Validation

As of NetSuite 2021.2, SDF supports two new types of validation for translation strings: length and uniqueness.

SDF validations are performed on translation strings linked to translatable fields, such as custom list names. These validations occur during installation of SuiteApps that include these translatable fields. These validations verify that the length of strings does not exceed translatable field limits and that each string is unique.

The uniqueness is validated by checking the values of translation strings in the default language of the account against:

- Other fields in the account
- Translation strings in the SuiteApp itself

For a translation string to pass the validation check, there cannot be any translation strings with the same value in the account or in the SuiteApp. If the validation conditions are not met, an error message occurs.

For more information about translation strings, see the help topic [Manage Translations](#).

## Updates to Translations of Terms

NetSuite 2021.2 includes a major update to translations across supported languages. This update introduces a significant number of changes to how terms in the NetSuite application are translated. These changes represent a large improvement in translation quality.

The following languages are impacted by this enhancement:

- French (Canada)
- French (France)
- German
- Portuguese (Brazil)

The following languages, which were significantly updated in NetSuite 2021.1, are also impacted by this enhancement:

- Czech
- Finnish
- Korean
- Thai
- Turkish
- Vietnamese

This release also includes new and updated translations of terms for features that are newly released or changed as of 2021.2, in all languages. The following types of translation strings are impacted by the translation changes:

- Field labels
- Button labels
- Record names
- Dropdown values
- Status, info, and error messages
- Menu items

In addition, these translation changes impact object references that use labels in the following types of customizations:

- SuiteScripts
- Custom reports
- Saved searches
- Web services integrations
- Any other customizations that use labels for references

For more information, see the help topic [Best Practices for Working with Translations](#).

## Inventory Management

NetSuite 2021.2 includes the following enhancements to inventory management features:

- [Supply Allocation](#)
  - [Earliest Item Availability](#)
  - [Optimize Allocation for Gross Profit and Revenue](#)
  - [Allocate Sales Orders](#)
  - [Quantity Remaining Field for Order Reservation](#)
  - [Allocated Order Number Link](#)
  - [Available Date Calculation Fill and Kill](#)
  - [Supply Allocation Enhancements](#)
- [Supply Planning Changing Asset and COGS Accounts](#)
- [Warehouse Management Enhancements](#)
- [Certificate of Analysis \(COA\) in Quality Management](#)
- [Quality Management Field Changes](#)
- [SCM Mobile Customization and Printing Enhancements](#)

## Supply Allocation

NetSuite 2021.2 includes the following Supply Allocation enhancements:

- [Earliest Item Availability](#)
- [Optimize Allocation for Gross Profit and Revenue](#)
- [Allocate Sales Orders](#)

- [Quantity Remaining Field for Order Reservation](#)
- [Allocated Order Number Link](#)
- [Available Date Calculation Fill and Kill](#)
- [Supply Allocation Enhancements](#)

## Earliest Item Availability

The Supply Allocation Earliest Item Availability page computes item and location level availability information based on simulated allocations. The system then displays the computed availability date for each location to provide answers to item availability inquiries regarding future demand.

Earliest Item Availability is now compatible with Sales Channel Allocation. This improves the earliest availability accuracy by limiting the calculation to allocate supplies set aside for sales channels.

To access Earliest Item Availability, go to Transactions > Order Management > Earliest Item Availability.

## Optimize Allocation for Gross Profit and Revenue

Supply Allocation Optimizing Fill Rate provides a new method for delivering short-term supply allocation results, such as sales revenue or sales profitability. This new feature includes the following fields:

- **Using Revenue Optimization on Sales Order** – The system allocates existing supply to maximize sales revenue.  
Revenue is the income on the sales transaction after the product is sold (invoiced). Sales order line revenue is stored in the Amount field, in the transaction currency.
- **Using Gross Profit Optimization on Sales Order** – The system allocates existing supply to maximize sales profits.  
Gross Profit is the remaining sales transaction amount after you deduct direct item costs from revenue. Gross profit is calculated on the sales order line and stored in the Est. Gross Profit field, in the transaction currency.

Both the gross profit and the revenue allocation optimization compute allocations to maximize the sum of gross profit or revenue on the selected sales order lines.

## Allocate Sales Orders

When supply allocation preferences are not set to immediate allocation after order entry, a new Allocate button appears on Sales Order forms. This new feature enables you to allocate sales orders in the correct order, after you enter data. This can help you to secure the allocation of some sales orders before running the Allocate Orders or Order Allocation Schedule processes.

## Quantity Remaining Field for Order Reservation

A read-only Quantity Remaining field appears on the Order Reservation page. This field displays unallocated item quantities. This information can help you to decide how many more items you need to reserve. For more information, see the help topic [Working With Order Reservations](#).

## Allocated Order Number Link

The number displayed in the Sales Order, Items subtab Allocated Supply or Allocated Demand order column now provides a link to the new Allocated Order popup window. You can use this feature to

navigate between demand to supply to learn whether other demands are allocated to the source of supply and which supplies are allocated to demand.

## Available Date Calculation Fill and Kill

The Allocation Strategy Available Date Calculation option supports "Fill and Kill" order management scenarios. This feature enables you to fulfill orders that need to be shipped immediately with whatever quantity is available and then the system closes it.

## Supply Allocation Enhancements

This release includes the following small but useful enhancements:

- [Logging Allocation Changes on Sales Orders](#)
- [Changes to Order Allocations Alerts](#)
- [Changes to the Allocate Orders Page](#)
- [Reallocated Order Item](#)
- [Allocated Demand and Allocated Supply Popup Window](#)

### Logging Allocation Changes on Sales Orders

NetSuite enables you to analyze order line allocation changes based on the logged system notes.

### Changes to Order Allocations Alerts

The Order Allocation Alerts list includes allocation exceptions for work order components that need attention.

### Changes to the Allocate Orders Page

The following enhancements have been made to the Allocate Orders page:

- Demand orders lines appear in both the transaction unit of measure and the base unit of measure.
- A new Reallocate link opens a popup window where you can secure high priority order allocations from other orders, before the batch allocation is run.

### Reallocated Order Item

The Reallocate Order Item popup window offers the following functionalities:

- All lines can be selected as source orders or manually as individual lines.
- When a perfect reallocation is not possible, the system recommends reallocations that improve the target order Expected Ship Date.
- The simulated Expected Ship Date on the source orders displays the predicted reallocation impact.

### Allocated Demand and Allocated Supply Popup Window

The new Allocated Demand and Allocated Supply popup window displays all allocation line information. For more information, see the help topic [Allocating Supply to Order Demand](#).


The popup window improves navigation across demand orders, supply orders, channel reservations, and allocations:

- The allocation lines display a link to the allocated supply order.
- To see which demand uses the same supply source, in the demand order, click the demand order link to open the Allocated Demand popup window. The Allocated Demand pop-up window shows all orders that use the same source of supply.
- To see sources of supply a demand order is using, in the supply order, click the demand order link to open the Allocated Demand popup window.
- After you have enabled sales channel allocations and set channel reservation supplies aside, you can navigate from the allocation pop-up window to the order reservations and back.

## Supply Planning Changing Asset and COGS Accounts

Due to account structure changes or errors in setting up inventory asset and cost of goods sold (COGS) accounts, cost accountants may need to modify these accounts for an item record. NetSuite now enables you to make these changes without affecting the item's historical transactions and existing reports.

## Warehouse Management Enhancements

 **Note:** Use of the Warehouse Management feature requires that you install the SCM Mobile and Oracle NetSuite WMS SuiteApps. See the help topic [Installing the NetSuite WMS SuiteApps](#).

In NetSuite 2021.2, Warehouse Management includes the following enhancements:

- [New WMS Preference for Order Reallocation](#)
- [Updates to the WMS Wave Release Schedule Page](#)
- [Quick Ship by Pallet](#)
- [Tally Scanning Updates and New System Rules](#)
- [Work Order Picking Enhancement](#)

For Mobile Printing and other mobile enhancements, see [SCM Mobile Customization and Printing Enhancements](#).

### New WMS Preference for Order Reallocation

You can now set the following preference that automatically checks the Commitment Confirmed box for transaction lines you include in a wave: **Automatically Set to Confirm Committed Quantities in a Wave**. You can clear the Commitment Confirmed box and reallocate the items. However, NetSuite WMS does not update the quantities on the associated wave transaction and its pick tasks. On your mobile device, you should pick only the remaining committed quantities, which you can partially fulfill. Do not pick the entire quantity on the released wave without replenishing the committed quantities on the order transaction. NetSuite WMS generates fulfillments for committed quantities only.


For more information about this preference, see the help topic [Setting Warehouse Management Preferences](#).

Warehouse Management only sets this preference to enabled by default for accounts that use the Warehouse Management feature after NetSuite 2021.2. For accounts that use the Warehouse Management feature prior to NetSuite 2021.2, you can manually set this preference.

### Updates to the WMS Wave Release Schedule Page

On the WMS Wave Release Schedule page, you can now set the following fields:

- **Status** – Enables you to set the status of the wave you want to generate to one of the following options: Pending Release or Released.
- **Email Address for Failed Status** and **Email Address for Wave Created Status** – These two fields replace the Email Address field. When you choose to send notifications for both Failed and Wave Created release statuses, you can specify the recipients for each status.

 **Note:** For accounts that use the Warehouse Management feature prior to NetSuite 2021.2, a migration script initially sets these fields based on your existing settings.

For more information, see the help topic [Creating a Wave Release Schedule](#).

## Quick Ship by Pallet

If you use the Pack Station SuiteApp, you can process packed pallets for shipping on your mobile device. After you pack the pallets, you can switch to the NetSuite WMS mobile app to ship them through the Quick Ship capability. Warehouse Management includes the pallet number in the WMS Shipping Manifest.

For more information, see the help topic [Manually Shipping Orders in Pack Cartons or Pallets](#).

## Tally Scanning Updates and New System Rules

You can now activate the **Enable Tally Scanning?** system rule for the following inbound processes:

- Purchase order receiving
- Transfer order receiving
- Inbound shipment receiving

On your mobile device, you can tally scan bar codes for an item, lot number, serial number, item alias, or UPC. If you set up GS1 or composite bar codes, you can also tally scan them.

For more information, see the help topic [Activating Tally Scanning for SCM Mobile](#).

Warehouse Management provides new system rules, as follows:

- **Allow staging for assigned picker only** - Enables you restrict access to pick tasks for outbound staging. When you activate this rule, you prevent pickers from staging items associated with pick tasks that you do not assign to them. This rule applies to pick tasks that you manually or automatically assign to pickers or warehouse operators.
- **Print pick carton labels?** - Lets you print labels for pick cartons from your mobile device. You can activate this rule if you enable Mobile Printing and pick cartons for single or multi-order picking.

For more information about the new system rules, see the help topic [System Rules for NetSuite WMS](#).

## Work Order Picking Enhancement

Previously, when you selected lot or serial numbers in work orders, you could still view all the available numbers on your mobile device. In NetSuite 2021.2, only the preselected lot or serial numbers appear as options for selection on the device. See the help topic [Picking Component Items for Work Orders](#).

## Item Record Management

NetSuite 2021.2 includes the following enhancement to item record management features:



- [Lot Auto Numbering](#)

## Manufacturing

NetSuite 2021.2 includes the following enhancements to Manufacturing features:

- [Cannot hide Manufacturing subtab on Item Records](#)
- [Serial Numbers Reporting in Manufacturing Mobile](#)

### Cannot hide Manufacturing subtab on Item Records

With this release of NetSuite, you can no longer hide the Manufacturing subtab on Item Records. Because of technical limitations, the display/hide customization functionality for this tab is not available.

This means that whenever one the Advanced Bill of Materials or Manufacturing Routing features are enabled, the Manufacturing subtab will be visible on all customized forms, without the option to hide it.

If you already have some customized Assembly Item forms where the Manufacturing subtab should be hidden, it will be displayed.

## Mobile

This release note was updated [December 8, 2021](#).

NetSuite for Android 9.2 and NetSuite for iOS 10.0 include the following enhancements to NetSuite for Mobile features:

- [NetSuite for iOS Dashboard Enhancements](#)
- [NetSuite for Android Expense Logging Enhancements](#)

### NetSuite for iOS Dashboard Enhancements

NetSuite for iOS 10.0 contains the following dashboard updates and improvements:

- Support for all web dashboards
- A new look of portlets
- Customizable My Dashboard
- Simplified chart previews interface

For more information, see the help topic [NetSuite for Mobile Dashboards](#).

### NetSuite for Android Expense Logging Enhancements

NetSuite for Android 9.2 enables you to rotate photos attached to an expense. For more information, see the help topic [Logging an Expense with NetSuite for Mobile](#).

## NetSuite Connector

This release note was updated [January 26, 2022](#).

NetSuite 2021.2 includes the following enhancements to NetSuite Connector features:

- [NetSuite Connector Integration Now Available](#)
- [NetSuite Connector SuiteApp](#)

## NetSuite Connector Integration Now Available

NetSuite Connector (formerly called FarApp) lets you synchronize and map data between NetSuite and your ecommerce storefronts, point-of-sale (POS) systems, online marketplaces, and third-party logistics providers.

NetSuite provides a SuiteApp, also called NetSuite Connector, that can help you establish the link between NetSuite and NetSuite Connector cloud service. The SuiteApp also supports integration between NetSuite and its several connectors, such as Amazon and Shopify. With the NetSuite Connector SuiteApp:

- NetSuite Connector can request account details and configuration to establish a connector.
- NetSuite serves as a data source for connectors to extract item and inventory data for synchronization.
- NetSuite Connector can fetch product details from NetSuite.
- NetSuite Connector can fetch or update transactions in NetSuite.

For more information about the NetSuite Connector SuiteApp, see [NetSuite Connector SuiteApp](#).

For more information about NetSuite Connector, see the help topic [Getting Started with NetSuite Connector](#).

## NetSuite Connector SuiteApp

A new NetSuite Connector SuiteApp is now available for installation from the SuiteApps Marketplace. This new SuiteApp includes the following updates:

- Enhanced user experience with a new center tab called **Connector**, which consolidates all NetSuite Connector pages and settings in one location.
- Improved security with the use of API secret IDs for storing NetSuite Connector credentials.

For new users, to install and set up the NetSuite Connector SuiteApp, see the help topic [Connecting NetSuite Connector to NetSuite](#).

For existing users, to migrate to the new NetSuite Connector SuiteApp, see the help topic [Migrating to the NetSuite Connector SuiteApp](#).

For more information, see the help topic [Getting Started with NetSuite Connector](#).

## Order Management

NetSuite 2021.2 includes the following enhancements to order management features:

- [Delta Charges](#)
- [Electronic Bank Payments Enhancements](#)
- [Subscription Billing Bulk Change Orders](#)
- [Pack Station Enhancements](#)
- [Brazil Certification Tax Authorities](#)

- E-Document Certification Service
- India Localization SuiteTax Engine Enhancements
- Japan Localization Enhancements
- Mexico Bill of Lading (Complemento Carta Porte)
- Philippines Localization Support for BIR Simplified System Registration for CAS Users
- United Kingdom Localization Enhancements
- Order Guides Enhancements
- Support for Custom NMFC Values in Bill of Lading
- Increased Limit for Item Fulfillments Search in Bill of Lading

## Delta Charges

A new Global Invoicing Accounting preference is now available that gives you improved flexibility when you need to bill for changes to invoiced service periods. To set this preference, go to Setup > Accounting > Invoicing Preferences. On the Subscription Management subtab, check **Create Delta Charges for Changes to Invoiced Service Periods**.

After you set this preference, if changes to invoiced service periods change what the customer owes, the system generates a Delta charge. The amount on a Delta charge is the difference (plus or minus) between the invoiced amount and the new amount for the service period. After the system generates the first Delta charge, you cannot turn off Delta Charges.

For example, you create an invoice of \$1000 on January 1 for an annual recurring service with monthly proration. On July 1, a Modify Pricing change order increases the quantity from 1 to 2. The following chart shows you how setting the **Create Delta Charges for Changes to Invoiced Service Periods** preference simplifies the billing for this change:

Charge Period	Delta Charges Off	Delta Charges On
1/1-12/31	\$1000.00 ((\$1000.00))	\$1000.00
1/1-6/30	\$500.00	
7/1-12/31	\$1000.00	\$500.00
Total Charge Amount	\$1500.00	\$1500.00

**Note:** If the **Create Delta Charges for Changes to Invoiced Service Periods** preference is not visible in your account, contact your NetSuite account manager or NetSuite Customer Support. There is no additional cost to activate Delta Charges.

## Projects

NetSuite 2021.2 includes the following enhancements to Projects features:

- Purchase to Project Now Available
- File Drag and Drop Update
- StickyNotes Update

# SuiteAnalytics

This release note was updated [November 10, 2021](#).

NetSuite 2021.2 includes the following enhancements to SuiteAnalytics:

- [Dataset Linking in SuiteAnalytics Workbook](#)
- [NetSuite Analytics Warehouse](#)
- [Cached Data in Datasets](#)
- [CSV Export Option Available in Pivot Tables](#)
- [Analytics Portlet Names Available as Translatable Fields](#)
- [Icons Added to SuiteAnalytics Workbook Conditional Formatting](#)
- [Removal of the Analytics Browser](#)
- [New Accounts and Access to the Connect Data Source](#)
- [Token-based Authentication Available for Connect NetSuite2.com](#)
- [New Connect Role for the NetSuite2.com Data Source](#)
- [Change to Display Size and Precision in Some Connect Columns](#)
- [Changes to Return Values in Some Connect Columns](#)
- [Removal of the Connect transaction\\_lines.date\\_last\\_modified Column](#)
- [2021.2 Connect Browser](#)
- [Dashboard Tiles Enhancements](#)

## Dataset Linking in SuiteAnalytics Workbook

Link datasets to analyze metrics from two datasets in a single visualization, based on a link that you define using common field data from each dataset. Unlike joining record types, you can link datasets even if they are based on record types that do not have predefined common keys in the analytics data source. Additionally, with linked datasets you can compare data that exists on two different levels of aggregation, such as the sum of individual transactions versus a monthly budget.

In 2021.2, you can define your own linked datasets using the `N/datasetLink` module in SuiteScript. You currently cannot view or edit how datasets are linked from the Workbook user interface. However, you can save and share workbooks that are based on linked datasets or create new visualizations within them. Link definitions are also associated with the workbooks where they are created. This association means that you can use linked datasets in multiple visualizations, but only in the workbook where they were linked.

For more information, see the following topics:

- [Dataset Linking in SuiteAnalytics Workbook](#)
- [N/datasetLink Module](#)
- [Linking Datasets](#)

## NetSuite Analytics Warehouse

With NetSuite Analytics Warehouse, you can broaden the analyses of your NetSuite data beyond what is currently available in SuiteAnalytics Workbook. The Analytics Warehouse enables you to analyze historical data from multiple sources and determine how to improve your business. You can then blend your NetSuite data with data from other sources and analyze it with a wide set of visualizations.

For more information about enabling and setting up NetSuite Analytics Warehouse, see the following topics:

- [NetSuite Analytics Warehouse Overview](#)
- [Enabling NetSuite Analytics Warehouse](#)
- [Setting Up the Data Transfer](#)
- [Adding Users to NetSuite Analytics Warehouse](#)

## Cached Data in Datasets

In previous releases, data in datasets was loaded in real time whenever you accessed a dataset. With the Cached Data in Datasets feature enabled in your account, you can use Cached Response mode to load cached data in your datasets. The load time of your datasets and any workbooks or portlets that use the dataset is improved when data is loaded from cached data. All cached data is refreshed automatically every 60 minutes.

For more information, see the help topic [Cached Data in Datasets](#).

## CSV Export Option Available in Pivot Tables

In workbooks, you can now export your pivot tables as CSV files. Prior to 2021.2, you could only export table views and charts as CSV files. Now, the export option is available in all workbook visualizations: table views, charts, and pivot tables.

For more information, see the help topic [Pivot Tab](#).

## Analytics Portlet Names Available as Translatable Fields

SuiteAnalytics Workbook now supports the translation of Analytics portlet names using Manage Translations.

Strings and collections for translation are automatically created when you enter the portlet name in the new translatable field of your workbook visualizations. To enable the translation, a Translation Collection stores translation strings with their translations in NetSuite.

For more information about how to set up translatable portlet names, see the help topic [Adding Translatable Analytics Portlet Names](#).

For more information about how to use translation collections, see the help topic [Working with Translation Collection Strings](#).

## Icons Added to SuiteAnalytics Workbook Conditional Formatting

In addition to colors, you can now apply icons to your workbook table view and pivot table results using conditional formatting. Depending on the conditions you set up, you can apply conditional formatting to groups of results or individual results. You can also apply conditional formatting to any fields containing number or string values, including custom formula fields and calculated measures.

For more information, see the help topic [Conditional Formatting](#).

## Removal of the Analytics Browser

From NetSuite 2021.2 onwards, the Analytics Browser is no longer available. To see information about the record types and fields, joined record types and join properties, you can use the Records Catalog.

**Note:** The Records Catalog is fully supported for the SuiteScript Analytic API only, while the Analytics Browser displayed whether fields were available for use in SuiteAnalytics Workbook, SuiteScript, SuiteTalk REST web services, and SuiteAnalytics Connect. For more information, see the help topic [Records Catalog](#).

## New Accounts and Access to the Connect Data Source

As of November 8, 2021, new Connect users can access the Connect Service using the NetSuite2.com data source only.

Prior to this change, Connect users were able to access two different data sources:

- **NetSuite.com** – This data source uses the only schema available up to 2018.2 to retrieve data. As of October 2021, the NetSuite.com data source is no longer being updated with newly exposed tables and columns, and no enhancements will be made. The NetSuite.com data source includes records exposed up to 2021.2 only, and support for this data source will end in a future release. The use of the NetSuite.com data source is no longer considered a best practice.
- **NetSuite2.com** - This data source uses the schema that has been used in SuiteAnalytics Workbook since 2019.2. The NetSuite2.com data source, also known as the analytics data source, is designed to display consistent data across SuiteAnalytics Workbook, which solves some previous inconsistencies in data exposure between saved searches, reports, and the NetSuite UI. The analytics data source provides advanced query capabilities and applies role-based access control, which contributes to improved security. NetSuite2.com is now the preferred data source, and all Connect users are encouraged to use it.

After this change, the transition to NetSuite2.com is planned as follows:

- If you gained access to the Connect Service before November 8, 2021, you can still access the NetSuite.com data source to ensure a smooth transition to NetSuite2.com. For more information, see the help topic [Changing from NetSuite.com to NetSuite2.com](#).
- If you gained access to the Connect Service after November 8, 2021, you can access the NetSuite2.com data source only. If you try to select the NetSuite.com data source, you receive an error message indicating that NetSuite.com is not an option. For more information, see the help topic [Getting Started with SuiteAnalytics Connect](#).

## Token-based Authentication Available for Connect NetSuite2.com

SuiteAnalytics Connect supports token-based authentication (TBA) for the NetSuite2.com data source.

For information about using token-based authentication (TBA) with SuiteAnalytics Connect, see the help topic [Token-based Authentication for Connect](#).

## New Connect Role for the NetSuite2.com Data Source

Prior to 2021.2, there was no role that allowed Connect users to access all NetSuite data through the NetSuite2.com data source. The Administrator role and the SuiteAnalytics - Read All permission were

available for NetSuite.com only. As of 2021.2, the new Data Warehouse Integrator role allows users to access all NetSuite data through the NetSuite2.com data source.

**Note:** Credit card information is not accessible even if users are assigned to the Data Warehouse Integrator role.

The new role requires access with token-based authentication (TBA). For more information, see the help topic [Token-based Authentication for Connect](#).

For more information about the Data Warehouse Integrator role, see the help topic [Connect Permissions](#).

## Change to Display Size and Precision in Some Connect Columns

SuiteAnalytics Connect changes the display size and precision for return values in some columns.

**Note:** This change applies to the NetSuite.com data source only.

The following table shows the list of columns with changes:

Column Name	Previous Value	Updated Value
transaction_history.column_number	Display size: 90	Display size: 138
transaction_lines.gl_sequence	Display size: 40 Precision: 40	Display size: 256 Precision: 256

If you work with the NetSuite.com data source and you are using column attributes in your configuration, review this change and make adjustments as needed.

To see the display size and precision for all columns, you can run the following query:

```
1 | SELECT COLUMN_NAME, TYPE_NAME, OA_LENGTH, OA_PRECISION, OA_SCALE FROM OA_COLUMNS WHERE TABLE_NAME = 'TRANSACTION_HISTORY'
```

This change is effective as of 2021.2. The change will be visible when the 2021.2 Connect Browser is released.

For information about the column attributes, see the help topic [Table Summary](#).

## Changes to Return Values in Some Connect Columns

In SuiteAnalytics Connect, the maximum length for return values in some columns has changed.

**Note:** This update applies to the NetSuite.com data source only.

The following table shows the list of columns with length changes for return values:

Column Name	Previous Length	Updated Length
class.name	31	60
departments.name	31	60
locations.name	31	60

Column Name	Previous Length	Updated Length
opportunities.status	480	4000

If you work with the NetSuite.com data source and you are using column attributes in your configuration, review these changes and make adjustments as needed. To avoid error or discrepancies, your configuration must match the column values listed in the [Connect Browser](#).

This change is effective as of 2021.2, but the current version of the Connect Browser does not show the updated values yet. This change will be visible in the 2021.2 Connect Browser when it is released at a later date.

For information about the column attributes, see the help topic [Table Summary](#).

## Removal of the Connect transaction\_lines.date\_last\_modified Column

The date\_last\_modified column is permanently removed from the [transaction\\_lines](#) table. In previous releases, the Connect Browser included a description that this column may return inaccurate values and that you should use the date\_last\_modified\_gmt column instead.

**Note:** This change applies to the NetSuite.com data source only.

The date\_last\_modified\_gmt column returns results in the Coordinated Universal Time (Greenwich Mean Time). You should consider the time zone when you review your queries and make any adjustments as needed.

This change is effective as of 2021.2, but the Connect Browser is not upgraded at the same time. The column is visible in the current version of the Connect Browser, but it does not return any results. The column will no longer appear when the 2021.2 Connect Browser is released at a later date.

For more information about the tables and columns available in the Connect Schema, see the help topic [Connect Schema](#).

## 2021.2 Connect Browser

The 2021.2 version of the Connect Browser is now available. You can find the links to all Connect tables in the [Connect Schema](#) topic.

The following is a list of the newly exposed tables:

- [component\\_routing\\_steps\\_abom](#)
- [employee\\_expense\\_sources](#)
- [inventory\\_statuses](#)
- [order\\_allocation\\_strategies](#)
- [sales\\_channels](#)

**Note:** Note: The date\_last\_modified column is permanently removed from the [transaction\\_lines](#) table. You should use the date\_last\_modified\_gmt column instead. For more information, see [Removal of the Connect transaction\\_lines.date\\_last\\_modified Column](#).

For more information about how to work with the Connect Browser, see the help topic [Working with the Connect Browser](#).



## SuiteApps (Bundles) Released by NetSuite

NetSuite 2021.2 includes the following enhancements to SuiteApps released by NetSuite:

- [Accounting SuiteApps](#)
- [Administration SuiteApps](#)
- [Banking SuiteApps](#)
- [Food and Beverage SuiteApps](#)
- [Inventory Management SuiteApps](#)
- [Localization SuiteApps](#)
- [Manufacturing SuiteApps](#)
- [Non-Profit SuiteApps](#)
- [Order Management SuiteApps](#)
- [Projects SuiteApps](#)
- [SuiteAnalytics SuiteApps](#)
- [SuitePeople SuiteApps](#)
- [Taxation SuiteApps](#)
- [Vendors, Purchasing, and Receiving SuiteApps](#)
- [Wholesale Distribution SuiteApps](#)

## Accounting SuiteApps

This release note was updated [January 12, 2022](#).

Following are the 2021.2 accounting enhancements to SuiteApps:

## SuiteApprovals Enhancements

SuiteApprovals includes the following enhancements in 2021.2:

- [Project-Based Approvals](#)
- [Record Locking and Reapproval](#)
- [SuiteApprovals Portlets](#)

## Project-Based Approvals

With SuiteApprovals version 6.01, you can now perform project-based approvals. When you enable the Projects and Project Management features in your account, project managers can approve project-based records and documents.

- **Addition of Project Manager as an Approver Type** – When creating an approval rule with a custom approval chain, you can select **Project Manager** from the Approver Type dropdown list. You do not need to select a specific project manager under the **Approver** column of the approval matrix.  
When the approval rule is used, the SuiteApp automatically retrieves the name of the approving project manager from the Primary Information section of the project record. The reference project record is the one linked to the document for approval.
- **Supported Record Types for Project-Based Approvals** – Project managers can approve purchase orders, expense reports, and vendor bills that are linked to projects.

Project managers can approve documents through the NetSuite UI and by email.

## Record Locking and Reapproval

In SuiteApprovals version 7.00, the Approval Rule page and Approval Rule assistant now include a new section, **Set Up Locking and Reapproval**. This section includes the following capabilities:

- **Record locking based on approval status** – When creating approval rules, you have the following record locking options:
  - Lock records in Pending Approval or Approved status, or both
  - Allow editing of records regardless of approval status

This capability applies to purchase orders, vendor bills, and expense reports.

- **Setting of percentage or amount tolerance limits** – You can set tolerance limits to control whether records are rerouted for approval. Tolerance limits affect only pending approval and approved records.

The system reroutes records for approval using the same approval rule if the change in the record amounts exceed the set percentage or amount tolerance. You also have the option to not allow rerouting regardless of changes in record amounts.

This capability applies to purchase orders, vendor bills, and expense reports.

## SuiteApprovals Portlets

SuiteApprovals version 7.00 also includes the following portlets:

- **Records for Approval** – Aside from vendor bills, you can now see the number of purchase orders and expense reports for your approval.
  - The portlet lists the records by type and shows how many records you need to approve.
  - The record type name in the portlets links to a page from which you can access the records.
- **SuiteApprovals Reminders** – For vendor bills, purchase orders, and expense reports:
  - The portlet lists the pending approval and rejected records per record type for the whole account. Each status links to a page that shows the list of pending approval and rejected records.
  - You can also review ageing records awaiting approval, and review records that may require reapproval.

For more information, see the help topic [SuiteApprovals SuiteApp](#).

## Administration SuiteApps

This release note was updated [November 10, 2021](#).

Following is the 2021.2 administration enhancement to SuiteApps:

## Record Pages Monitor Updates

Application Performance Management (APM) version 2.1.0 includes the following updates to the Record Pages Monitor tool:

- **Filtering and sorting options** – Prior to this release, Record Pages Monitor filters the record operation tiles to show only the 10 most utilized record operations that ran in your account. You can then sort this prefiltered list according to a defined set of options.

With APM version 2.1.0, Record Operations Monitor still shows the top 10 most utilized record operations by default, but it now also lets you filter according to the most used or most responsive record operations that ran in your account. As with previous releases, you can also filter data according to a predefined duration or a custom date and time.

After applying the filters, you may also sort the resulting tiles in alphabetical order according to their record type or operation.

- **Response time value display** - Prior to this release, Record Pages Monitor shows the median response times on tiles and exported CSV files. The Response Time chart displays baselines only for the 95th percentile and median values.

With APM version 2.1.0, Record Pages Monitor now shows the average response times on tiles and exported CSV files. A baseline for the average response time value is also added to the Response Time chart.

To view the changes, go to Customization > Performance > Record Pages Monitor.

For more information about these updates, see the help topic [Monitoring Record Pages](#)

## Banking SuiteApps

This release note was updated [January 26, 2022](#).

Following is the 2021.2 banking enhancement to SuiteApps:

- [Support for SFTP Download Directory Using Absolute Path](#)
- [CSV Parser Plug-in Now Available in Bank Statement Parsers](#)

### Support for SFTP Download Directory Using Absolute Path

Previously, when configuring your SFTP (Secure File Transfer Protocol) connection using the Auto Bank Statement Import (ABSI) SuiteApp, the Download Directory field requires a relative path to the directory that contains the file to download.

In ABSI SuiteApp version 22.1.0, you can use your financial institution's directory in absolute path format to configure your SFTP connection. A new **Use Absolute Path** box is now available on the Connectivity Configuration subtab of your format profile record. Checking the **Use Absolute Path** box prompts the system to recognize the URL entered in the Download Directory field as an absolute path directory.

For more information, see the help topic [Configuring SFTP Connection for Auto Bank Statement Import](#).

### CSV Parser Plug-in Now Available in Bank Statement Parsers

In Bank Statement Parsers SuiteApp version 21.2.0, you can now use a CSV parser plug-in to import bank statement files in CSV format into NetSuite. To use the CSV parser plug-in, select **CSV Plugin Implementation** in the Transaction Parser field of a format profile. When you do so, the following subtabs are shown on the Parser Configuration subtab:

- **Field Mapping** – Map your CSV column headers to the matching NetSuite CSV parser configuration fields.
- **Formatting Preferences** – Set up your preferred data formatting preferences based on your CSV file data.

You can download the CSV Bank Statement Template file from the Parser Configuration subtab and use it to format your bank statement files for import. Alternatively, you can use your own CSV file.

For more information, see the help topic [Bank Statement Parsers SuiteApp](#).

## Food and Beverage SuiteApps

Following are the 2021.2 food and beverage enhancements to SuiteApps:

- [Order Guides Enhancements](#)
- [Lot Auto Numbering](#)

### Order Guides Enhancements

Order Guides SuiteApp version 2.03.0 now includes support for creating and updating order guides and order guide templates using the standard CSV Import feature. For more information, see the help topic [Creating Order Guides](#).

### Lot Auto Numbering

The Lot Auto Numbering SuiteApp enables you to do the following:

- Define a lot numbering format and assign it to lot items. The lot numbering format automatically determines the lot number in the Inventory Detail popup window of a transaction record.
- Configure additional lot details for lot items. You can enter the configured additional lot details in the Inventory Detail popup window of a transaction record.

For more information, see the help topic [Lot Auto Numbering SuiteApp](#).

## Inventory Management SuiteApps

This release note was updated [December 1, 2021](#).

Following are the 2021.2 inventory management enhancements to SuiteApps:

- [Certificate of Analysis \(COA\) in Quality Management](#)
- [Quality Management Field Changes](#)
- [SCM Mobile Customization and Printing Enhancements](#)

### Certificate of Analysis (COA) in Quality Management

Quality Assurance issues a Certificate of Analysis (COA) document to confirm that a regulated item meets its quality specifications. A COA includes the inspection results from the quality control tests for an individual item batch or lot. For more information, see the help topic [Certificate of Analysis \(COA\)](#).

In Quality Management SuiteApp, a COA report generates for a fulfilled sales order when the item leaves the location. As part of the fulfillment process, you can generate a COA for items ready to ship. If you have the Administrator role, you can set preferences to generate a COA in a format that best suits your organization's needs.

### Quality Management Field Changes

Quality Management SuiteApp includes the following enhancements:

- [Plug-in Implementation Script](#)

- [Populated Lot Numbers](#)
- [QM Parameters Record](#)
- [Summary Field](#)

## Plug-in Implementation Script

Frequently sampled data needs to be aggregated or processed to provide a pass or fail evaluation. The Quality Management SuiteApp includes a new plug-in implementation script that enables NetSuite to calculate and populate a summary field value by aggregating non-summary field values. For more information, see the help topic [Derived Fields](#).

## Populated Lot Numbers

Inspection queues generate based on an inventory transaction. To ensure that the system conducts appropriate validations and eliminates data inconsistency, relevant lot numbers assigned to an inventory transaction display during a quality inspection.

## QM Parameters Record

A new record named QM Parameters is added to help improve configuration flexibility in the Quality Management SuiteApp. For more information, see the help topic [QM Parameters Record](#).


For example, you can use this record to include multiple recipients in a notification failure message by adding email addresses separated by commas. For more information, see the help topic [Defining Email Recipients Using a QM Parameters Record](#).

You can also use this record to configure the threshold sample row count to enable the CSV upload option for sample data. For more information, see the help topic [Defining a Sample Row Threshold for CSV Using a QM Parameters Record](#).

## Summary Field

The **Is Summary Field** is renamed to **Sampling Summary Field** to indicate that this summary field is for inspections that use sampling. This field is moved from the Inspection Data field list to the Quality Inspection field list.

## SCM Mobile Customization and Printing Enhancements

 **Note:** SCM Mobile is shared with the following NetSuite features and SuiteApps: Warehouse Management, Manufacturing Mobile, and Pack Station. For more information, see the help topic [SCM Mobile](#).

NetSuite 2021.2 includes the following enhancements for SCM Mobile:

- **Support for List/Record in Dynamic Messages** – You can now set up List/Record field types in dynamic messages for page elements of custom mobile processes. For more information about dynamic messages, see the help topic [Custom Message Setup for Custom Mobile Processes](#).
- **Mobile Printing Updates** – You can now add a print button to any standard or custom NetSuite record. You can configure mobile printing even for records not used in the NetSuite WMS and Pack Station processes.

For NetSuite WMS, you can print pallet labels for assembly builds from your mobile device. Also, the new **Print pick carton labels?** rule enables you to print pick carton labels when you use cartons for

order picking. See the help topic [Building Assembly Items for a Work Order](#) or [Tally Scanning Updates and New System Rules](#).

## Localization SuiteApps

This release note was updated [January 26, 2022](#).

Following are the 2021.2 localization enhancements to SuiteApps:

- [Advanced Localization Features Enhancements](#)
- [ANZ Localization Enhancements](#)
- [Brazil Certification Tax Authorities](#)
- [Contra Account Sheets Now Available in SuiteApp Marketplace](#)
- [E-Document Certification Service](#)
- [France Localization Enhancements](#)
- [India Localization SuiteTax Engine Enhancements](#)
- [Japan Fixed Assets Reports](#)
- [Japan Localization Enhancements](#)
- [Localization Assistant Features](#)
- [Mexico Bill of Lading \(Complemento Carta Porte\)](#)
- [Norway Tax Reports Enhancements](#)
- [Philippines Localization Support for BIR Simplified System Registration for CAS Users](#)
- [Portugal Invoice Certification Document Series](#)
- [Portugal SAF-T Enhancements](#)
- [United Kingdom Localization Enhancements](#)

## Advanced Localization Features Enhancements

Advanced Localization Features SuiteApp version 1.01 includes the following enhancements:

- All languages available in NetSuite are now fully supported by this SuiteApp.
- For invoices and credit memos with no shipping address, the whole **Ship To** section does not get printed and remains hidden. The **Ship To** section also remains hidden if it has the same customer name and address as the **Bill To** section.
- If an invoice or a credit memo is printed through script, the **Issued By** column of the **Printing History** subtab contains the word "System".
- Invoices and credit memos from periods with the **Allow Non-GL Changes** option disabled are now compatible with this SuiteApp and can also be printed, although with the several limitations. If the original document is not printed before closing the period, all its printouts are marked as originals, not as duplicates. The **Preview PDF** and **Print a PDF Copy** buttons also do not work and the printing history does not get updated.

In version 1.02, you can now use additional printing options to customize your invoices and credit memos.

- **Print Note if There's No Payment Discount** – Adds a note when payment discount is not applied.
- **Mark Document as Copy or Duplicate** – Enables labeling the document as Copy or Duplicate.
- **Hide Total Incl. VAT Column** – Hides the Total Incl. VAT Column from the printed invoice.

You can customize the label of printed invoices and credit memos using the **Use Popup for Email Transaction Button**.

For more information, see the help topic [Advanced Localization Features](#).

## ANZ Localization Enhancements

The ANZ Localization SuiteApp includes the following enhancements in 2021.2:

- [AU Report Subtab Update](#)
- [ANZ Localization Preferences Setup](#)
- [ABN and NZBN Verification Warning](#)
- [Australia Taxable Payments Annual Report \(TPAR\) Enhancements](#)
- [Australia Payment Times Report \(PTR\) Small Business Supplier Identification](#)
- [Supplier ABN List Report](#)
- [ANZ Localization Preferences and Supplier List Updates](#)

### AU Report Subtab Update

In ANZ Localization version 1.1.0, the **AU Report** subtab is renamed to **AUS Reporting** subtab. This subtab is added to Australia vendor records and transaction (vendor bill and bill payment) records for an Australia vendor.

### ANZ Localization Preferences Setup

ANZ Localization version 1.1.0 includes the new ANZ Localization Preferences page. On this page, you can set up your company preferences for Australia and New Zealand customer and vendor records. If you are an administrator, you can access this page at Setup > ANZ Localization > Preferences. For non-administrator roles, go to Setup > Other Setup > ANZ Preference. For more information about the ANZ Localization Preferences page, see the help topic [Setting Up ANZ Localization Preferences](#).

### ABN and NZBN Verification Warning

ANZ Localization version 1.1.0 adds the **ABN Verification Warnings** preference on the ANZ Localization Preferences and Set Preferences pages. Use this field to set up a warning banner to prevent invalid ABNs and NZBNs from being entered on customer and vendor records. Read about setting up the ABN Verification Warnings as a company preference on the help topic [ABN and NZBN Verification Warning](#) and as a user preference on [Setting Up Australia-specific User Preferences](#).

### Australia Taxable Payments Annual Report (TPAR) Enhancements

ANZ Localization version 1.1.0 includes the following enhancements for the Taxable Payments Annual Report (TPAR) for Australia:

- **Export - PDF icon** - You now have the option to view and download your TPAR as a PDF.
- **Summary Report** - You can now view a list of all your TPAR reportable bill payments per Payee and export it to a spreadsheet. For more information, see the help topic [Viewing the TPAR Summary Report](#).
- **Detailed Report** - When you view the Summary Report, you can drill down to the bill payment and view all the reported bills. You can also export this report to a spreadsheet. For more information, see the help topic [Viewing the TPAR Detailed Report](#).

To learn more about the TPAR, see the help topic [Taxable Payments Annual Report](#).

## Australia Payment Times Report (PTR) Small Business Supplier Identification

In preparation for Payment Times Reporting, ANZ Localization version 1.1.0 adds the **Small Business** box on the AUS Reporting subtab for Australian vendor records. You can check this box to identify vendors as small business suppliers and reportable for PTR. For more information, see the help topic [Identifying Small Business Suppliers for Payment Times Reporting](#).

## Supplier ABN List Report

ANZ Localization version 1.1.0 includes the new Supplier ABN List Report page. You can use this page to generate a list of your vendors' ABNs, export it to a CSV file, and run it through the SBI Tool for small business identification. You can then check the **Small Business** boxes of the identified small businesses to include it for Payment Times Reporting. If you are an administrator, you can access this page at Setup > ANZ Localization > Supplier List. For non-administrator roles, go to Setup > Other Setup > ANZ Supplier List. For more information about the Supplier ABN List Report page, see the help topic [Supplier ABN List Report](#).

## ANZ Localization Preferences and Supplier List Updates

To avoid possible conflicts with other SuiteApps, the script IDs for the following fields in the ANZ Localization SuiteApp are changed in version 1.1.3.

Page	Field	New Script ID	Old Script ID
ANZ Preferences	ABN Verification Warning	custrecord_anz_bn_verification_comp	custrecord_bn_verification_warnings_comp
	Allow Override	custrecord_anz_override_bn_warnings	custrecord_override_bn_warnings
Supplier ABN List Report	Export File Name	custrecord_anz_current_date	custrecord_current_date
	Export File Name	custrecord_anz_running_number_count	custrecord_running_number_count
	Supplier List	custrecord_anz_date	custrecord_date

After the update, the following values will reset:

- **Supplier list exported file name** - The running number count used in the supplier list exported file name will reset. You can access the Supplier ABN List Report page at Setup > ANZ Localization > Supplier List. For more information, see the help topic [Supplier ABN List Report](#).
- **ANZ Preferences** - The preferences on this page will reset to their default values. To set the values again for ABN Verification Warning, go to Setup > ANZ Localization > Preferences. If applicable, check the Allow Override box. For more information, see the help topic [Setting Up ANZ Localization Preferences](#).

**Note:** If you have existing customizations that use any of the old script IDs, you need to update these customizations to use the new script IDs after the SuiteApp is updated to version 1.1.3.

In addition, this update removes the duplicate vendor records from the Supplier ABN List Report page.

## Brazil Certification Tax Authorities

Brazil Certification Tax Authorities SuiteApp version 1.2.0 enables you to send e-documents to several Brazilian tax authorities.



This SuiteApp is generally available and can be installed from the NetSuite SuiteApp Marketplace (Application ID: com.netsuite.brazilcertificationtaxauth). It is a public and managed SuiteApp. To use this SuiteApp, you must also install the E-Document Certification Service SuiteApp.

The Brazil Certification Tax Authorities SuiteApp provides the following features and capabilities:

- **E-Document Template Files** – You can leverage the predefined e-document template files to create e-document template records for several Brazilian tax authorities. For more information, see the help topic [Finding the Predefined E-Document Template Files for Brazil](#).

The SuiteApp provides predefined files for e-documents such as:

- Nota Fiscal de Produtos Eletrônica (NF-e)
- Nota Fiscal de Serviços Eletrônica (NFS-e)
- Manifesto do Destinatário Eletrônico (MDF-e)
- Guia Nacional de Recolhimento de Tributos Estaduais (GNRE) tax collection form
- Escrituração Fiscal Digital de Retenções e Outras Informações Fiscais (EFD-Reinf) report
- **Tax Authority Plug-ins and Records** – To send the e-documents for certification, you need to have a tax authority certification service set up in your account. When you install the Brazil Certification Tax Authorities SuiteApp in your account, NetSuite creates the tax authority plug-ins and records for several Brazilian tax authorities. For more information, see the help topic [Brazil Certification Tax Authorities Overview](#).

## Contra Account Sheets Now Available in SuiteApp Marketplace

Contra Account Sheets version 1.2.1 is now available for installation from the SuiteApp Marketplace (Application ID: com.netsuite.kontenblatt). This SuiteApp enables you to generate transaction reports with contra account information.

Previously, you can install the Contra Account Sheets SuiteApp from the Search & Install Bundles page. If you have the previous SuiteApp (version 1.01, bundle ID: 314179) installed in your NetSuite account, you need to uninstall that SuiteApp first before installing the new version of Contra Account Sheets from SuiteApp Marketplace.

## E-Document Certification Service

The E-Document Certification Service SuiteApp version 1.2.0 enables you to send e-documents to tax authorities and manage their responses.

The SuiteApp is generally available and can be installed from the NetSuite SuiteApp Marketplace (Application ID: com.netsuite.edoccertificationservice). It is a public and managed SuiteApp.

The E-Document Certification Service SuiteApp provides the following features and capabilities:

- **Tax Authority Implementation** – You can set up secure connections with tax authorities that oversee the certification of e-documents generated in NetSuite. For more information, see the help topic [Certification Tax Authority Implementation](#).
- **E-Document Signature** – From your e-document, you can define which tags NetSuite should sign and in which order to sign them. The SuiteApp also provides a standard e-document signature plug-in. For more information, see the help topics [E-Document Digital Signature](#) and [Adding Digital Signature Tags](#).
- **E-Document Certification Priorities** – You can define priority levels according to the e-document category, operation, or subsidiary. The priority determines the order in which NetSuite sends the e-document for certification. For more information, see the help topic [Defining E-Document Certification Priorities](#).

- **E-Document Certification Portlet** – You can add a portlet to your dashboard to monitor the e-document certification process. For more information, see the help topic [Adding the E-Document Certification Monitor Portlet to a Dashboard](#).

## France Localization Enhancements

France Localization SuiteApp version 2.04.0 includes the following enhancements:

- **France Fichier d'Ecritures Comptables (FEC)** – You can now generate the France FEC Data Extract and France FEC Lettrage Report from the Country Tax Report page. This feature is available to NetSuite accounts with or without the SuiteTax feature. To access the Country Tax Reports page, you must install the Tax Reporting Framework SuiteApp.
- **France Localization Preferences page** – This new page lets you enable or disable some features of the France Localization SuiteApp. On this page, you can set the preferences related to generating the France FEC files. This page also contains instructions for configuring the France FEC files before they are exported.
- **France Balance Sheet report enhancement** – The France Balance Sheet report built in the Country-Specific Reports SuiteApp framework has been updated to include a new variable, **Retained Earnings Previous FY**.
- **Changes in the Memo field evaluation** – The SuiteApp evaluates if a memo is entered in some transactions. With the provision of the France FEC, this evaluation is now performed only in the following transactions:
  - Journal Entry
  - Advanced Intercompany Journal Entry
  - Intercompany Journal Entry
  - Statistical Journal Entry
- **Changes in the location of France Localization pages** – The France Localization Overview page, which lets you manage the update of France Localization components, can now be accessed at Setup > France Localization > France Localization Overview. The France Chart of Accounts page, where you can download and adjust the Chart of Accounts template, is now located at Setup > France Localization > Chart of Accounts.

For more information, see the help topic [France Localization](#).

## India Localization SuiteTax Engine Enhancements

The India Localization SuiteTax Engine SuiteApp version 3.02.0 includes the following enhancements:

- Ability to generate electronic documents for transactions that have the subtotal, markup, and discount item types.
- Ability to generate E-Way Bill using the Invoice Reference Number (IRN).
- Addition of **Permanent Account Number (PAN)** and **Aadhar Number** fields to customer records.

For more information, see the help topic [Electronic Invoicing for India](#).

## Japan Fixed Assets Reports


Japan Fixed Assets Reports is a new SuiteApp that generates reports for depreciable fixed assets and corresponding tax reports. With this SuiteApp, you can apply depreciation rates from the tax agency and depreciation methods to the depreciable asset tax reports. The reports comply with requirements of municipal tax agencies in Japan. The SuiteApp is available from the SuiteApp Marketplace.

The SuiteApp generates two reports:

- **Depreciable Asset All Asset Report** – Detailed report of all individual depreciable assets under a Municipal in a Reporting Year.
- **Depreciable Asset Tax Report** – Summary of all depreciable assets per Depreciable Asset Type under a Municipal in a Reporting Year. Depreciable assets are grouped into Acquired Before Last Year, Retired Last Year, and Acquired Last Year.

The reports should be generated yearly for Japan subsidiaries with specified Depreciable Asset Tax Reporting information and depreciable asset records.

Japan Fixed Assets Reports requires the Fixed Assets Management (FAM) SuiteApp. Asset records in FAM are used to create depreciable asset records.

 **Note:** The version of FAM must be from the same release period as the version of Japan Fixed Assets Reports. You must upgrade the FAM version to its 2021.2 release to be compatible with this release of Japan Fixed Assets Reports version 1.0. Every time a new version of FAM is released, a compatible version of Japan Fixed Assets Reports will also be released.

For more information, see the help topic [Japan Fixed Assets Reports](#).

## Japan Localization Enhancements

Japan Localization SuiteApp version 2021.2 includes the following new features and enhancements:

- [PDF Templates for Japan Custom Transaction Forms](#)
- [Automatic Posting of Japan Payment Adjustment Records](#)
- [Enhancements to the Invoice Summary Generation Status Page](#)

### PDF Templates for Japan Custom Transaction Forms

This version of the SuiteApp includes customizable PDF templates for custom transaction forms of invoices, sales orders, and purchase orders.

On Japan subsidiary records or Company Information page, you can specify the following under Custom Advanced PDF Template:

- Document title
- A greeting on transactions
- Company seal
- Bank account information

The templates get information from specific fields on sales orders, purchase orders and invoices. You can also customize the templates to include other fields. These details will be included in the PDF printout of the custom transaction forms that use the PDF template. For more information, see the help topic [Using Custom PDF Templates for Custom Transaction Forms](#).

### Automatic Posting of Japan Payment Adjustment Records

The payment adjustment records, AR Adj Debit Invoice Summary and AR Adj Credit Invoice Summary, are now posting transactions. The **Posting** box is checked by default for these custom transactions forms. When the records are used, they are automatically applied in reports, general ledger, and balance sheet. For more information, see the help topic [Including Payment Adjustments in the Invoice Summary](#).

## Enhancements to the Invoice Summary Generation Status Page

On the Invoice Summary Generation Status page, administrators can now delete failed invoice summary generation jobs with Invalid or Error status. To individually delete failed jobs, check the **Delete** box under the Actions column. To delete all failed jobs, click **Delete All Failed Jobs**.

In addition, the Back to Generate Invoice Summary button is renamed to **New Invoice Summary Job**. For more information, see the help topics [Viewing Invoice Summary Generation Status](#) and [Deleting Failed Invoice Summary Generation Jobs](#).

## Localization Assistant Features

The Localization Assistant SuiteApp enables you to identify and install the SuiteApps that are mandatory to a specific location. This SuiteApp also lists recommended NetSuite SuiteApps that are optional based on the best practices in your country of operation.

Localization Assistant also supports NetSuite Record Localization Context feature.

Currently, this SuiteApp is available only for Mexico. For more information, see the help topic [Localization Assistant SuiteApp](#).

## Mexico Bill of Lading (Complemento Carta Porte)

Mexico Bill of Lading (Complemento Carta Porte) SuiteApp version 1.0.0 enables your companies in Mexico to generate and process e-documents with a bill of lading.

The SuiteApp is generally available and can be installed from the NetSuite SuiteApp Marketplace (Application ID: com.netsuite.mexicocartaporte). It is a public and managed SuiteApp.

Mexico Bill of Lading (Complemento Carta Porte) provides the following features and capabilities:

- **Bill of Lading for Transfer CFDIs (Item Fulfillment Transactions)** – You can add a bill of lading to your transfer Digital Fiscal Document through Internet (CFDI or Comprobante Fiscal Digital por Internet de traslado) when they come either from a sales order or a transfer order. The mode of transport supported for moving goods is road transport. For more information, see the help topic [Mexico Bill of Lading Overview](#).
- **Manage Mexico Fleet Codes** – You can manage the fleet you use for moving goods and add new fleet types to NetSuite (vehicles and trailers). For more information, see the help topic [Managing Mexico Fleet Codes](#).
- **SAT Catalogs** – All the Mexican Tax Authority (SAT) catalogs required for generating the bill of lading document are stored in NetSuite as custom records and lists. The catalog values are available on NetSuite pages, so you can fill out the information needed for the SAT. For more information, see the help topic [SAT Fields for Mexico Bill of Lading](#).
- **PDF Template** – A PDF template is available to let you obtain printable versions of certified CFDIs with the bill of lading information required by the SAT. For more information, see the help topic [Electronic Invoicing for Mexico Bill of Lading](#).

## Norway Tax Reports Enhancements

The latest version of Norway Tax Reports SuiteApp contains the following enhancements:

- [Norway VAT Return](#)
- [Income Statement Close Support](#)
- [Display Employees as Suppliers](#)

- [Set Account Mapping Type](#)
- [Minor Enhancements to Norway Tax Reports](#)

## Norway VAT Return

Norway Tax Reports SuiteApp version 1.07 includes the Norway VAT Return for NetSuite accounts without SuiteTax. This report is available for accounting periods starting on January 1, 2022. The report uses the Norway tax codes for 2022 provisioned by the International Tax Reports SuiteApp. For more information, see the help topic [Norway Tax Codes](#). You can also manually export the Norway tax codes in XML format.

**Note:** You can still use the Norway VAT Return provided by the International Tax Reports SuiteApp for reporting periods before 2022. For periods starting January 1, 2022, you must use the report provided by the Norway Tax Reports SuiteApp.

Before you generate the Norway VAT Return, ensure that the Norway tax codes in your account are set up correctly.

- **Provision Norway Tax Codes for 2022** – Norway tax codes for 2022 is automatically provisioned for new installations of the International Tax Reports SuiteApp. However, if this SuiteApp is already installed in your account, you need to manually provision the new tax codes. For information about manually provisioning Norway tax codes, see the help topic [Automatic Tax Code Provisioning Workaround](#).
- **Map Norway Tax Codes to Standard Tax Codes** – Norway tax codes must be mapped to Standard tax codes using the Audit Files Field Mapping page, which is available with the Tax Audit Files SuiteApp. For information about mapping Norway tax codes, see [Mapping Norway VAT Tax Codes](#).

For more information, see the help topic [Norway Tax Reports SuiteApp](#).

## Income Statement Close Support

When the Period End Journal feature is enabled in your NetSuite account, you can include period end journals in the opening balance calculations and general ledger entries of the Norway Standard Audit File for Tax (SAF-T). To do this, you need to enable the **Income Statement Closing Entries** preference for the Norway nexus on the Country Tax Report Preferences page. This preference is available on the Tax Audit Files Data Filters subtab of the Norway nexus.

If you leave the **Income Statement Closing Entries** box cleared, the dynamic close is used instead. Opening balances of Profit and Loss accounts at the beginning of every accounting year are moved to the Retained earnings account.

## Display Employees as Suppliers

Usually, the SAF-T report sources the SupplierID tag from the vendor record. However, some transaction types applied to A/P accounts and linked to an employee (like expense reports or journal entries) are being sourced from the employee record instead. In the latest version of the Norway Tax Reports SuiteApp, you now have the option to display such employee data in the SAF-T report. To do this, click the **Setup Norway SAF-T** button on the Country Tax Reports page, and in the **Allow displaying employees as suppliers** dropdown list, select **Yes**.

## Set Account Mapping Type

Previously, the SAF-T report simultaneously uses two elements to display mapping: Standard Account ID and the combination of Grouping Category and Grouping Code. In the latest version of the Norway Tax Reports SuiteApp, this behavior is changed to reflect the requirements of Norway audit authorities.

You can now select the mapping category applicable to your company. To do this, click the **Setup Norway SAF-T** button on the Country Tax Reports page and select a value in the **Account Mapping Type** list. This setting overrides any account-specific data. The account mapping type that you select determines the mapping category that will be used in the report:

- If you select **2-digit Financial Standard Accounts** or **4-digit Financial Standard Accounts**, the Standard Account ID is used (and the Grouping Category and Grouping Code are not shown).
- If you select **RF-1167 Income Statement**, **RF-1175 Income Statement**, or **RF-1323 Income Statement**, the Grouping Category and Grouping Code is used (and the Standard Account ID is not shown).

## Minor Enhancements to Norway Tax Reports

The latest version also contains the following minor enhancements for the Norway Tax Reports SuiteApp:

- SupplierID and CustomerID tags are only populated and exported on account payable and account receivable type accounts.
- Non-posting and statistical account type accounts are no longer exported and used in the audit file. Also, they are not validated for missing account numbers (which means that you do not need to map these accounts to successfully generate the SAF-T report).
- Tax groups containing one tax code are supported. If you assign a tax group (instead of a tax code) that contains a single tax code to a transaction, this one code will be shown in the report. However, if you use a group with multiple tax codes, the value in the audit file will be NA (not applicable).
- For the tax codes with a notional tax code assigned to them, the VAT rate is based on the tax rate of the notional tax code (instead of the standard tax code).
- Sourcing for the description tags AccountDescription (under General Ledger Accounts) and TaxCodeDetails > Description (under Tax Table) has been adjusted. Descriptions from the customer accounts and tax codes in NetSuite are now used, instead of the standard (tax authority) descriptions.
- The Master Files section of the report now includes the tax codes based on their validity dates.

For more information, see the help topic [Norway Tax Reports SuiteApp](#).

## Philippines Localization Support for BIR Simplified System Registration for CAS Users

Starting 2021, the Bureau Internal Revenue (BIR) will issue an Acknowledgement Certificate to companies or businesses that registered and submitted complete documentary requirements for using Computerized Accounting Systems (CAS).

This change is supported by the invoicing features of the Philippines Localization SuiteApp. In version 2.0.0, you can select the CAS document issued to your company by the BIR in the new Philippines Localization Setup page. The CAS document selected will be indicated in the footer details of your transactions that use Philippines invoicing templates. In the **BIR Document Issued** field, you can select **PTU** for Permit To Use or **AC** for Acknowledgement Certificate. You can also enter details such as the AC control or PTU number, date issued, and valid until date for the CAS document that you selected.

For more information, see the help topics [Philippines Localization Setup](#) and [Simplified System Registration for Computerized Accounting System \(CAS\) Users](#).

## Portugal Invoice Certification Document Series

Following the mandate from the Portugal Tax and Customs Authority, Portugal Invoice Certification SuiteApp version 1.06.0 enables you to create a document series for the following sales transaction types:

- Invoice
- Sales Order
- Cash Sale
- Payment
- Item Fulfillment
- Credit Memo
- Cash Refund

Starting January 1, 2022, sales transactions with a Portugal customer or subsidiary must have a document series identifier. You cannot save a sales transaction if the document series identifier is missing. Transactions dated January 1, 2022 and later also include the document series identifier in the Portugal Transaction ID.

For more information, see the help topic [Portugal Invoice Certification](#).

## Portugal SAF-T Enhancements

Portugal SAF-T SuiteApp provides the following enhancements in 2021.2:

- **New SAF-T file** - Besides the SAF-T PT for Accounting file, the SuiteApp also provides the SAF-T PT for Billing file version 1.04\_1. You can generate this file on the Country Tax Report page, and submit to the Portugal Tax and Customs Authority.
- **Support for Adjustment-Only Books** - If you are using the Full Multi-Book Accounting feature, you can generate the SAF-T PT files for transactions in adjustment-only accounting books.
- **Support for basic Projects feature** - If you are using basic Projects feature, the SAF-T PT files differentiate between a customer and a project. The SuiteApp replaces project IDs and project-related information in the affected SAF-T tables with customer IDs and customer-related information.
- **Changes related to tax groups** - Tax groups are not included in the SAF-T PT for Accounting and Billing. The SuiteApp does not support the use of tax groups in sales transactions because it is not the leading accounting practice.
- **Management of system-generated accounts** - System-generated accounts that do not have grouping codes and have not been used in any Portugal transactions are now excluded from the SAF-T PT validation. Unmapped system-generated accounts no longer cause failures in generating the SAF-T PT files.

For more information, see the help topic [Portugal SAF-T](#).

## United Kingdom Localization Enhancements

United Kingdom Localization version 1.05 includes the following enhancements:

- **Period VAT return - VAT100 (pre-2021) and UK Submit VAT Return via CSV** - These reports can now be exported in PDF format.
- **Period VAT return - VAT 100** - This report now supports multi-book accounting.
- **Intrastat - Arrivals** - These reports are updated in accordance with Brexit negotiations. Three reports are now available:
  - **Intrastat - Arrivals (Pre-2021)** - Valid through December 31, 2020.
  - **Intrastat - Arrivals (2021)** - Valid from January 1, 2021 through December 31, 2021.
  - **Intrastat - Arrivals (Post-2021)** - Valid starting January 1, 2022.

- **SVB BACS, MULTIBACS or Faster Payments** – This new payment template from SVB bank is now available in CSV format.

## Manufacturing SuiteApps

This release note was updated [December 1, 2021](#).

Following are the 2021.2 manufacturing enhancements to SuiteApps:

### Serial Numbers Reporting in Manufacturing Mobile

Manufacturing Mobile SuiteApp enables you to use the mobile scanner interface to report serial numbers for assembly items produced and components consumed. Serial numbers can be lengthy and prone to errors when entered manually, so using a scanner helps to reduce the probability of errors. Checks and balances have been incorporated into the scanner flow to identify duplicate scanned serial numbers. For more information, see the help topics [Reporting Consumption](#) and [Reporting Production](#).

The SuiteApp also includes the following enhancements:

- A new optional script enables you to assign a default work order location and work center. This enhancement eliminates the need to manually assign a work center to a work order to use a scanner. For more information, see the help topic [Backend Processing Logic](#).
- To improve usability, some of the scanner button names are updated. The new names provide better descriptions of the task or action that the buttons accomplish.
- Help text and field names for staging and assembly bins in the Employee Static Group are updated to be more consistent with WMS terminology.

## Non-Profit SuiteApps

This release note was updated [November 10, 2021](#).

Following are the 2021.2 non-profit enhancements to SuiteApps:

- [Custom Segments Update in Labor Expense Allocation Preferences](#)
- [Budget Validation for Transactions with Items](#)
- [NFP SuiteApps Update Verification Now Available](#)
- [Expense Commitments and Budget Validation Enhancements](#)
- [Social Impact Standard Edition Enhancement](#)

### Custom Segments Update in Labor Expense Allocation Preferences

Previously, on the Labor Expense Allocation Preferences page, you need to individually check each box for the custom segments in which the expenses need to be allocated.

In Labor Expense Allocation SuiteApp version 1.00.3, custom segments checkboxes are replaced with a multi-select field labeled as **Custom Segments** on the Labor Expense Allocation Preferences page. New custom segments columns are automatically shown on the NFP Employee Timesheet and Pay Type Allocation records based on your custom segment record preference.

For more information, see the help topic [Setting Up Labor Expense Allocation Preferences](#).



## Budget Validation for Transactions with Items

Expense Commitments and Budget Validation SuiteApp version 1.0.06 now supports budget validation for transactions that include items. The following transactions are supported:

- Purchase Orders
- Vendor Bills
- Purchase Requests (for the Employee Center role)

When a custom budget matches the combination of budgeting year, segments, and account in the transaction, budget validation values appear in the appropriate columns on the **Expenses** and **Items** subtabs of the transaction.

For more information, see the help topic [Expense Commitments and Budget Validation](#).

## NFP SuiteApps Update Verification Now Available

The NFP SuiteApps Update Verification SuiteApp version 1.0.0 helps you verify and update customizations after an NFP SuiteApp update. This SuiteApp provides a list of verifications that you must comply with to update to the latest version of an NFP SuiteApp.

When an update is blocked, the SuiteApp sends an email notification to the account administrator.

For more information, read [NFP SuiteApps Update Verification](#).

## Expense Commitments and Budget Validation Enhancements

Expense Commitments and Budget Validation SuiteApp version 1.0.4 now includes the following enhancements:

- **Support for standard budgets** – The SuiteApp now works with standard NetSuite budgets that do not have any custom segments.
- **Budget validation support for projects** – If you have the Project Management feature enabled, you can now add **Project** as a field for budget validation.

For more information, see the help topic [Expense Commitments and Budget Validation](#).

## Social Impact Standard Edition Enhancement

The NFP development director role is now added to the Social Impact Standard Edition SuiteApp. In nonprofit organizations, a development director's primary responsibility is to oversee fundraising.

For more information, see the help topic [NFP EM Development Director](#).

## Order Management SuiteApps

Following are the 2021.2 order management enhancements to SuiteApps:

- [Electronic Bank Payments Enhancements](#)
- [Subscription Billing Bulk Change Orders](#)
- [Pack Station Enhancements](#)

## Electronic Bank Payments Enhancements

Electronic Bank Payments SuiteApp version 2021.2 includes the following enhancements:

- [Payment File Administration Rollback for In-Transit Payments](#)
- [Company Bank and Entity Bank Details Processed Using SuiteScript 2.0](#)
- [Aggregate By Payee Preference Update](#)

### Payment File Administration Rollback for In-Transit Payments

In Electronic Bank Payments SuiteApp version 2021.2, Payment File Administration (PFA) for in-transit payments can now be rolled back using the new **Roll Back** button on the Payment File Administration page.

### Company Bank and Entity Bank Details Processed Using SuiteScript 2.0

In Electronic Bank Payments SuiteApp version 2021.2, company bank and entity bank details are processed using SuiteScript 2.0.

To avoid changes to the existing behavior of the SuiteApp, any customizations performed using SuiteScript 1.0 must be repeated using SuiteScript 2.0. Refer to the following table for the changes to the script names:

SuiteScript 1.0	SuiteScript 2.0
customscript_2663_entity_ue	customscript_14552_entity_ue
customscript_2663_entity_details_cs	customscript_14552_entity_details_cs
customscript_2663_bank_details_cs	customscript_14552_bank_details_cs
customscript_2663_field_validator_cs	customscript_14552_field_validator_cs

### Aggregate By Payee Preference Update

In Electronic Bank Payments SuiteApp version 2021.2, you can clear the **Aggregate By Payee** box on the Electronic Payments Preference page to turn off the aggregate by payee settings.

### Subscription Billing Bulk Change Orders

In SuiteBilling Enhancements version 21.2, you can process subscription change orders in bulk.

A new Bulk Process Change Order page is available through Transactions > Subscriptions > Process Bulk Change Orders. On this page, you can do the following:

- **Process Multiple Records for a Bulk Change Order** – Search for and select multiple subscriptions or subscription lines to include in a bulk change order. For each bulk change order processed, the system generates an audit trail record that you can access through the Bulk Operations Summary page.
- **Customize Search Filters and Sublist Columns** – Use predefined filters to search for records or customize the filters that you want to be available for searching. Available predefined filters include customer, billing account, subscription plan, start date, and end date. You can also customize the columns that you want to show in search results.

- **Specify the Status Change and Change Order Details** – Apply any of the following status changes to subscriptions or subscription lines:
  - Draft to Pending Activation
  - Draft to Active
  - Pending Activation to Draft
  - Pending Activation to Active
  - Active to Suspend
  - Suspend to Reactivate

For status changes related to activation, suspend, or reactivate change orders, you must specify the details of the change order such as effective date, requester, modification type, and memo. For activation, you can request an off-cycle invoice for advanced charges.


SuiteBilling Enhancements version 21.2 also includes the following enhancements for bulk operations using mass update:

- **Void Records for Usage** – Previously, a **Delete Records** mass update action was available for deleting erroneous or obsolete usage records. Starting version 21.2, the **Delete Records** action is changed to **Void Records**, and the processed records are now voided instead of deleted.
- **Void Records for Change Order** – Subscription change order records have always been voided instead of deleted when using the **Delete Records** mass update action. Starting version 21.2, the **Delete Records** action is renamed to **Void Records** to accurately reflect what goes on in the system.

 **Note:** Audit trails showing **Delete Records** actions for usage and change order records prior to version 21.2 remain unchanged.

For more information, see the help topic [Subscription Billing Bulk Operations](#).

## Pack Station Enhancements

 **Note:** Use of the Pack Station SuiteApp requires that you first install the SCM Mobile SuiteApp.

The Pack Station mobile app extends order fulfillment processing in your warehouse or in any location that uses a kiosk device. It supports multilevel packing that lets you pack items into cartons, and then transfer packed cartons onto pallets.

The Pack Station mobile app is available in the Pack Station SuiteApp, which is shared with accounts that use NetSuite WMS. For non-WMS accounts, ask your NetSuite account manager about licensing requirements.

In NetSuite 2021.2, you can reuse pallets in another packing session, until you ship them. Orders on the same pallet must have the same shipping method and carrier. On the new Packing Details page, you can view the packed carton and pallet details. If you use the Warehouse Management feature, you can switch to the NetSuite WMS mobile app to ship your packed pallets.

If you configure your UCC company prefix or DUNS number, you can now generate GS1 linear bar codes for serial shipping container codes (SSCC-18). You can print carton and pallet lists with the SSCC-18.

Pack Station provides new system rules, as follows:

- **Allow real-time packing updates to fulfillments** – Lets you update fulfillment records and custom fields on order transactions in real time. You can specify a limit, from 1 to 75 fulfillment lines, to replace the default limit of 25 lines. When you submit orders for packing, real-time updates apply to fulfillments that do not exceed the limit.

- **Autogenerate carton and pallet IDs** – Enables you to autogenerate carton and pallet IDs based on a format that you define or the order number. On a kiosk device, you can view the autogenerated ID of a new carton or pallet.

This rule does not apply to items that ship individually or ship as is, which have autogenerated IDs by default.

## Projects SuiteApps

This release note was updated [August 25, 2021](#).

Following are the 2021.2 projects enhancements to SuiteApps:

- [Purchase to Project Now Available](#)
- [File Drag and Drop Update](#)
- [StickyNotes Update](#)

### Purchase to Project Now Available

Purchase to Project version 1.00.0 is now available for installation from the SuiteApp Marketplace as a public and managed SuiteApp. This SuiteApp lets project managers create and manage purchase transactions related to projects and project tasks. It provides a unified project purchasing experience with insight into project purchases and single-click creation of purchase orders from the project or project task.

Project managers can perform the following tasks using this SuiteApp:

- View purchase orders and vendor bills entered for a project or project task.
- Initiate purchase orders from a project or project task.
- Allow or prevent creation of purchase orders and vendor bills for a project or project task.
- Designate approved project vendors for project-related purchase orders.
- View the total invoiced amount from billable items and expenses for a project.

For more information, see the help topic [Purchase to Project](#).

### File Drag and Drop Update

File Drag and Drop SuiteApp works only on records and transactions that use the old NetSuite UI. For its features to work as expected, project records must not be shown in the new NetSuite UI.

To show projects in the old NetSuite UI, go to Setup > Company > General Preferences and clear the **Show Project In New UI** box.

For more information about this SuiteApp, see the help topic [Uploading Files Using File Drag and Drop](#).

### StickyNotes Update

StickyNotes SuiteApp works only on records and transactions that use the old NetSuite UI. For its features to work as expected, project records must not be shown in the new NetSuite UI.

To show projects in the old NetSuite UI, go to Setup > Company > General Preferences and clear the **Show Project In New UI** box.

For more information about this SuiteApp, see the help topic [Creating StickyNotes on Record Pages](#).

## SuiteAnalytics SuiteApps

Following are the 2021.2 SuiteAnalytics enhancements to SuiteApps:

### Dashboard Tiles Enhancements

With Dashboard Tiles SuiteApp version 1.06.3, you can now do the following for individual dashboard tiles:

- Specify a font size for the tile KPI and label.
- Specify a wrapping for the tile KPI text.
- Remove the tile KPI and label.

These changes let you manage the dashboard tile texts, so they fit into the tile. Previously, you can customize the font size, KPI, and label settings for all tiles on the dashboard only from the dashboard tiles portlet.

The following preferences are now available for each dashboard tile:

- **KPI Font Size (PT)** – Enter a font size for the tile KPI from 0 to 18 points. If you leave this field blank, the default KPI font size is 13. If you enter 0, the tile KPI is removed.
- **Label Font Size (PT)** – Enter a font size for the tile label from 0 to 16 points. If you leave this field blank, the default label font size is 10. If you enter 0, the tile label is removed.
- **KPI Wrapping** – Select a wrapping option for the tile KPI text. The following options are available:
  - **None** – No wrapping is applied.
  - **Word Wrap** – This option wraps overflowing text into a new line without breaking words.
  - **Word Break** – This option maximizes the tile width and may result in breaking of words.

These preferences are available on the **Appearance** subtab of the Dashboard Tile page. Note that the dashboard tile settings take precedence over the dashboard tiles portlet settings.

For more information, see the help topic [Modifying the Appearance of a Dashboard Tile](#).

## SuitePeople SuiteApps

Following are the 2021.2 SuitePeople enhancements to SuiteApps:

### Calendar Event Creation

Time-Off Tracking SuiteApp version 1.10.1 now supports automatic creation of time-off calendar events. The time-off requester and the requester's supervisor can now see approved time-offs in the NetSuite calendar.

## Taxation SuiteApps

This release note was updated [January 26, 2022](#)

Following are the 2021.2 taxation enhancements to SuiteApps:

- [SuiteTax SuiteApps](#)
  - [Tax Reporting Framework Enhancements](#)

- Set Up Tax Return Page Enhancements
  - Tax Reporting Category Enhancements
  - Custom Detailed Report Templates
  - EU VAT One Stop Shop Reports for Accounts without SuiteTax
  - Enhanced Support for Accounts without SuiteTax
  - Support for India SuiteTax Engine SS2
  - SuiteQL Support and Country Tax Reports Page Enhancements
- Legacy Tax SuiteApps
  - International Tax Reports Enhancements
    - Ireland Postponed Accounting for VAT on Imported Goods
    - EU VAT One Stop Shop Tax Code Provisioning
    - Germany VAT Report Updates
    - United Kingdom Reduced Rate Tax Code and VAT100 Report Updates
  - International Tax Reports Issue Fixes
    - International Tax Reports 3.120.0 Issue Fixes
    - International Tax Reports 3.121.0 Issue Fixes
  - Supplementary Tax Calculation Enhancements
  - Tax Audit Files Enhancements
    - Enhancements to Period End Journal Entries for France FEC
    - Period End Journals Support
    - Norway Standard Tax Code Enhancements
  - Tax Audit Files Issue Fixes
    - Tax Audit Files 1.83 Issue Fixes
    - Tax Audit Files 1.83.1 Issue Fixes
  - Withholding Tax Issue Fixes

## SuiteTax SuiteApps



**Important:** The SuiteTax enhancements in this section are applicable only to NetSuite production and Sandbox accounts where the SuiteTax feature is enabled. For NetSuite accounts without SuiteTax, see [Legacy Tax SuiteApps](#).

## Tax Reporting Framework Enhancements

Tax Reporting Framework includes the following enhancements in 2021.2:

- Set Up Tax Return Page Enhancements
- Tax Reporting Category Enhancements
- Custom Detailed Report Templates
- EU VAT One Stop Shop Reports for Accounts without SuiteTax
- Enhanced Support for Accounts without SuiteTax
- Support for India SuiteTax Engine SS2

## ■ SuiteQL Support and Country Tax Reports Page Enhancements

### Set Up Tax Return Page Enhancements

Tax Reporting Framework SuiteApp version 1.12.0 includes the following enhancements:

- **Support for Taxable Shipping Costs** - Taxable shipping costs can now be included in the generated reports. A new Include Shipping box is available in the Search Type filter box on the Set Up Tax Return page.
- **Tax Reporting Category Filter Box Changes** - The Tax Reporting Category filter box is now available on the Set Up Tax Return page for both journals and expenses. The Tax Reporting Category column is now also available on saved searches of expenses and journals.

For more information, see the help topic [Customizing Localized Tax Returns](#).

### Tax Reporting Category Enhancements

In Tax Reporting Framework SuiteApp version 1.10.0, the Tax Reporting Category sublist field is enabled on all taxable transaction lines for accounts with SuiteTax and all taxable transaction lines with a Norway nexus for accounts without SuiteTax.

The following are the supported transaction types:

- Cash Sales
- Expense Reports
- Invoices
- Journal Entries
- Purchase Orders
- Sales Orders
- Vendor Bills
- Vendor Return Authorizations
- Credit Memos
- Bill Credits

### Custom Detailed Report Templates

Tax Reporting Framework SuiteApp version 1.10.0 adds support for custom detailed report templates. The new detailed report templates do not have a fixed set of columns and provide Localization teams with more flexibility in customizing reports.

### EU VAT One Stop Shop Reports for Accounts without SuiteTax

**Note:** On July 1, 2021 the official EU Mini One Stop Shop (MOSS) report was replaced by the EU VAT One Stop Shop (OSS) report. The reporting solution of MOSS was replaced to support EU VAT OSS return according to the reporting rules of the applicable OSS scheme. To view help topics related to MOSS, see the help topic [MOSS Reporting](#).

The latest version of the Tax Reporting Framework SuiteApp includes support for EU VAT OSS reports in NetSuite accounts without SuiteTax. The SuiteApp includes the following features:

- **EU VAT One Stop Shop Preferences** – You can now set up your OSS report preferences when you select an OSS subsidiary and nexus on the Country Tax Reporting Preferences page. On the EU VAT One Stop Shop subtab, you can select the OSS scheme and enter your VAT identification number.

- **One Stop Shop VAT Returns** – You can now generate OSS VAT returns. To generate the report, go to Reports > Tax > Country Tax Reports. After selecting your subsidiary and nexus, the following reports are available for selection in the Report Name list:
  - Import One Stop Shop VAT Return
  - Union One Stop Shop VAT Return
  - Non-Union One Stop Shop VAT Return

For more information, see the help topic [EU VAT One Stop Shop Reports for Accounts without SuiteTax](#).

## Enhanced Support for Accounts without SuiteTax

Tax Reporting Framework SuiteApp includes the following enhancements for accounts without SuiteTax:

- **Country Tax Reports Preferences** – Starting version 1.06, you can now access this page in NetSuite accounts without SuiteTax. This page enables you to set your preferences when generating your country tax reports. To access the Country Tax Reports Preferences page, you must install a localization SuiteApp that provides a VAT report.

You can configure the following settings on the Country Tax Reports Preferences page:

- Period Filters
- Tax Audit Files Data Filters

See the help topics [Setting Up Country Tax Reporting Preferences](#) and [Tax Reporting Framework Support For Accounts Without SuiteTax](#) for more information.

- **VAT Reporting Features** – Version 1.09.0 provides additional features to support VAT report generation on localization SuiteApps. The following features are now available:

- VAT Report Generation
- Notional Tax Amount Reporting
- VAT Return Form Versioning
- Non-deductible Tax Amount Reporting
- PDF and XML Export

For more information, see the help topic [Tax Reporting Framework Support For Accounts Without SuiteTax](#).

- **Adjust Tax Return** – Starting version 1.11.0, the SuiteApp enables you to adjust tax amount values in the Country Tax Report form in NetSuite accounts without SuiteTax. This feature automatically creates journal entries for the adjusted tax amounts from your tax return, with all necessary changes and adjustments in a single form. For more information, see the help topic [Adjusting A Country Tax Report In Accounts Without SuiteTax](#).
- **VAT Group Reports** – Version 1.11.0 includes the VAT group reporting feature, which enables you to consolidate VAT reporting of your parent and child subsidiaries with the same nexus. Transactions are consolidated in the parent subsidiary, where the VAT report is generated. Amounts are also shown in the parent subsidiary's base currency. For more information, see the help topic [Generating Localized Country Tax Reports](#).



**Note:** You can access the VAT reporting features when you install a localization SuiteApp that provides VAT reports built with these features.

## Support for India SuiteTax Engine SS2

Tax Reporting Framework SuiteApp version 1.06.0 includes support for India SuiteTax Engine SS2 tax engine. To use this tax engine, you must install the India Localization SuiteTax Engine SuiteApp.



## SuiteQL Support and Country Tax Reports Page Enhancements

Tax Reporting Framework SuiteApp 1.04.0 includes the following enhancements:

- **SuiteQL support** - Localization and country tax report SuiteApps can now use SuiteQL in retrieving tax information and in generating tax audit file reports. SuiteQL is a query language that provides enhanced capabilities in accessing NetSuite records and data. For more information on SuiteQL, see the help topic [SuiteQL](#).
- **Country Tax Reports page enhancements** - On the Report Generation Log subtab of the Country Tax Reports generation page, the columns are rearranged for quick access to the **View** and **Download** links for the created reports. For more information, see the help topics [Viewing a Generated Country Tax Report](#) and [Exporting a Country Tax Report](#)

## Legacy Tax SuiteApps



**Important:** The legacy tax enhancements in this section are applicable only to NetSuite accounts without the SuiteTax feature. For NetSuite accounts with SuiteTax, see [SuiteTax SuiteApps](#).

## International Tax Reports Enhancements

International Tax Reports SuiteApp includes the following enhancements in 2021.2:

- [Ireland Postponed Accounting for VAT on Imported Goods](#)
- [EU VAT One Stop Shop Tax Code Provisioning](#)
- [Germany VAT Report Updates](#)
- [United Kingdom Reduced Rate Tax Code and VAT100 Report Updates](#)

### Ireland Postponed Accounting for VAT on Imported Goods

International Tax Reports version 3.120.0 includes support for postponed accounting for VAT on imported goods from Great Britain and countries outside the European Union. The update includes automatic provisioning of the following import tax codes to newly created Ireland subsidiaries or nexuses:

Tax Code	Description	Tax Properties
IPA1-IE	Postponed import VAT on goods purchased from Great Britain and non-EU countries	<ul style="list-style-type: none"> <li>■ Rate of 0%</li> <li>■ Effective from January 1, 2021</li> <li>■ Reverse Charge Code</li> <li>■ Notional Rate Derived from S-IE (23%)</li> <li>■ Import</li> <li>■ Available on Purchase transactions</li> </ul>
IPA2-IE	Postponed import VAT on goods purchased from Great Britain and non-EU countries	<ul style="list-style-type: none"> <li>■ Rate of 0%</li> <li>■ Effective from January 1, 2021</li> <li>■ Reverse Charge Code</li> <li>■ Notional Rate Derived from R-IE (13.5%)</li> <li>■ Reduced Rate</li> <li>■ Import</li> </ul>

Tax Code	Description	Tax Properties
		<ul style="list-style-type: none"> <li>Available on Purchase transactions</li> </ul>
IPA3-IE	Postponed import VAT on goods purchased from Great Britain and non-EU countries	<ul style="list-style-type: none"> <li>Rate of 0%</li> <li>Effective from January 1, 2021</li> <li>Reverse Charge Code</li> <li>Notional Rate Derived from SR-IE (9%)</li> <li>Special Reduced Rate</li> <li>Import</li> <li>Available on Purchase transactions</li> </ul>
IPA4-IE	Postponed import VAT on goods purchased from Great Britain and non-EU countries	<ul style="list-style-type: none"> <li>Rate of 0%</li> <li>Effective from January 1, 2021</li> <li>Reverse Charge Code</li> <li>Notional Rate Derived from S-IE (0%)</li> <li>Import</li> <li>Available on Purchase transactions</li> </ul>

International Tax Reports version 3.120.0 also includes automatic provisioning of the following tax codes to newly created Ireland subsidiaries or nexuses:

Tax Codes	Description	Tax Properties
EE-IE	Exempt tax code for intra-community transactions	<ul style="list-style-type: none"> <li>Rate of 0%</li> <li>Effective from January 1, 2021</li> <li>EC Code</li> <li>Exempt</li> <li>Notional Rate Derived from E-IE (0%)</li> <li>Available on both Sale and Purchase transactions</li> </ul>
EZ-IE	Zero rated sales tax code for intra-community transactions	<ul style="list-style-type: none"> <li>Rate of 0%</li> <li>Effective from January 1, 2021</li> <li>EC Code</li> <li>Notional Rate Derived from Z-IE (0%)</li> <li>Available on both Sale and Purchase transactions</li> </ul>
LR-IE	Livestock rate	<ul style="list-style-type: none"> <li>Rate of 4.8%</li> <li>Effective from January 1, 2021</li> <li>Available on both Sale and Purchase transactions</li> </ul>
FR-IE	Flat-rate compensation percentage for farmers	<ul style="list-style-type: none"> <li>Rate of 5.6%</li> <li>Effective from January 1, 2021</li> <li>Available on both Sale and Purchase transactions</li> </ul>
ELR-IE	Livestock rate for intra-community transactions	<ul style="list-style-type: none"> <li>Rate of 0%</li> <li>Effective from January 1, 2021</li> <li>EC Code</li> </ul>

Tax Codes	Description	Tax Properties
EFR-IE	Flat-rate compensation percentage for farmers (intra-community)	<ul style="list-style-type: none"> <li>Notional Rate Derived from LR-IE (4.8%)</li> <li>Available on both Sale and Purchase transactions</li> </ul>
		<ul style="list-style-type: none"> <li>Rate of 0%</li> <li>Effective from January 1, 2021</li> <li>EC Code</li> <li>Notional Rate Derived from FR-IE (5.6%)</li> <li>Available on both Sale and Purchase transactions</li> </ul>

The Ireland VAT report is also updated to version 2021 to properly report the import and other tax codes in the following boxes accordingly:

- Box T1: VAT on Sales
- Box T2: VAT on Purchases
- Box E1: Value of Goods Sent to other EU Countries
- Box E2: Value of Goods Received from other EU Countries
- (New) Box PA: Postponed Accounting

To learn more about Ireland's new tax codes and VAT form update, see the help topics [Ireland Tax Codes](#) and [What goes into each box – Ireland VAT 3 report](#).

### EU VAT One Stop Shop Tax Code Provisioning

Effective July 1, 2021, EU Mini One Stop Shop (MOSS) will be extended to become One Stop Shop (OSS), covering a wider range of supplies. International Tax Reports version 3.120.0 is enhanced to support tax codes provisioning for OSS. When you enable OSS and select an OSS nexus on subsidiary record, the SuiteApp automatically creates an OSS tax control account and tax type and provisions OSS tax codes. To learn more about OSS tax code provisioning and OSS tax code details, read the help topics [EU One Stop Shop Tax Code Provisioning](#) and [OSS Tax Code Provisioning for Regular NetSuite Accounts](#).

### Germany VAT Report Updates

In International Tax Reports version 3.121.0, the XML files for Germany annual VAT reports are updated for report compatibility with ElsterTransit. ElsterTransit replaces FormularDepotXI, and is now the e-filing solution supported by NetSuite for online submissions of Germany VAT returns. For more information, see the help topic [Submitting the German Tax Return to Elster](#).

The Germany Monthly/Quarterly VAT Return is also updated to properly report the OSS tax code in Box 45: Net amount of sales OS-DE. For more information about Germany VAT reporting see the help topic [What goes into each box – Germany Monthly/Quarterly VAT report](#).

**Note:** Only OSS transaction lines that use OSS tax codes are supported by the SuiteApp. OSS transactions that use other tax codes are not included in the reports provided by the International Tax Reports SuiteApp.

### United Kingdom Reduced Rate Tax Code and VAT100 Report Updates

In July 15, 2020, United Kingdom temporarily applied a reduced rate of 5% (R-GB) to certain supplies in the tourism and hospitality sectors. This temporary reduced rate ended on September 30, 2021. Effective October 1, 2021, United Kingdom will apply a reduced rate of 12.5% to applicable tourism and hospitality sectors.

International Tax Reports version 3.121.0 includes automatic provisioning of the new reduced rate tax code upon creation of new United Kingdom subsidiary or nexus.

Tax Code	Description	Properties
R1-GB	Reduced Rate 12.5%	<ul style="list-style-type: none"> <li>■ <b>Rate:</b> 12.5%</li> <li>■ <b>Effective From:</b> October 1, 2021</li> <li>■ <b>Available On:</b> Both (Sales and Purchases)</li> </ul>

The UK VAT100 Report also includes the following updates:

- The following boxes are updated to include the R1-GB tax code:
  - Box 1: VAT due on sales and other outputs
  - Box 4: VAT reclaimed in this period on purchases and other inputs (including acquisitions from the EC)
  - Box 6: Total value of sales and all other outputs excluding any VAT
  - Box 7: Total value of purchases and all other inputs excluding any VAT
- Box 6: Total value of sales and all other outputs excluding any VAT is updated to properly report the EU One Stop Shop (OSS) tax code type.

**Note:** Only OSS transaction lines that use OSS tax codes are supported by the SuiteApp. OSS transactions that use other tax codes are not included in the reports provided by the International Tax Reports SuiteApp.

To learn more about UK's VAT100 form update and tax codes, see the help topics [United Kingdom Tax Codes](#) and [What goes into each box – United Kingdom VAT100 report](#).

## International Tax Reports Issue Fixes

International Tax Reports SuiteApp includes the following issue fixes in 2021.2:

- [International Tax Reports 3.120.0 Issue Fixes](#)
- [International Tax Reports 3.121.0 Issue Fixes](#)

### International Tax Reports 3.120.0 Issue Fixes

- **Chile VAT report** – Boxes 77 and 89 are updated with the correct formula as follows:
  - Box 77 = Box 537 - Box 538 (if Box 537 is greater than or equal to Box 538) or empty (if Box 537 is less than Box 538)
  - Box 89 = Box 538 - Box 537 (if Box 537 is less than Box 538) or empty (if Box 537 is greater than or equal to Box 538)

For complete information about these changes, see the help topic [What goes into each box - Chile VAT Report](#).

- **Denmark VAT report** – The boxes are updated to correctly report the following tax codes:
  - RC-DK is now reported on boxes 1 and 4
  - Z-DK no longer shows on the detailed report of box 4
  - IV-DK's tax property is corrected to report Import VAT

For more information about Denmark's tax codes and VAT report, see the help topics [Denmark Tax Codes](#) and [What goes into each box – Denmark VAT Report](#).

- **EU Intrastat Report** – The report is updated to support local language. You can now generate the EU Intrastat Report when you set your local language as preference on Home > Set Preferences. To learn more about generating the EU Intrastat Report, see the help topic [Generating an EU Intrastat Report](#).
- **Finland VAT Report** – The report is updated to support the reporting of imported goods from countries outside of the European Union. Tax codes RCF-FI, RCF1-FI, and RCF2-FI are no longer reported on the following boxes:
  - Tax on domestic sales at 24% tax rate
  - Tax on domestic sales at 14% tax rate
  - Tax on domestic sales at 10% tax rate
  - Tax deductible for the tax period

For more information about the new tax codes used in reporting imported goods, see the help topic [Finland Tax Codes](#). To learn about the boxes where each tax codes are reported, read the help topic [What goes into each box – Finland VAT Report](#).
- **Germany Tax Filing Setup and Monthly VAT Return XML File**
  - Users who were experiencing issues with saving their VAT registration number (VRN) on the Tax Filing Setup page can now save their VRNs when they setup and generate a tax report displaying the VRN. For more information about tax filing setup in Germany, see the help topic [Setting Up Tax Filing for Germany](#).
  - Germany Monthly/Quarterly VAT XML is updated for report compatibility on the FormularDepotXI e-filing tool.
- **Journal Entry** – The record is updated to exclude NOTC checks from the Script Execution Logs.
- **Norway VAT Report** – The report is updated to support reporting of purchase non-deductible tax amounts. The non-deductible tax amounts of tax codes S-NO, R1-NO, and R2-NO are now reported on the following boxes, accordingly:
  - Box 14: Non-deductible tax amounts of purchases S-NO
  - Box 15: Non-deductible tax amounts of purchases R1-NO
  - Box 16: Non-deductible tax amounts of purchases R2-NO

For more information about the values reported on each boxes of the Norway VAT report, see the help topic [What goes into each box – Norway VAT Report](#).
- **United Arab Emirates VAT Report** – The adjustment boxes of 1a to 1g are updated to accept only negative amount. For more information about the adjustment boxes of the UAE VAT return, see the help topic [Making Adjustments on a VAT Return for UAE](#).
- **United Kingdom MTD Fraud Prevention Headers** – The following additional headers are now supported as part of UK MTD requirements:
  - Gov-Client-Public-IP-Timestamp
  - Gov-Client-Local-IPs-Timestamp
  - Gov-Vendor-Product-Name
  - Gov-Client-User-IDs that includes the user ID in the HTTP header information

To learn more about MTD fraud prevention headers, see the help topic [Sending of MTD Anti-Fraud Headers](#).
- **U.K. Intrastat Arrivals** – The report is updated to exclude reporting of domestic and U.S. purchases on the report. For more information about the Intrastat Report for United Kingdom, see the help topic [United Kingdom Intrastat Report for Dispatches and Arrivals](#).

## International Tax Reports 3.121.0 Issue Fixes

International Tax Report SuiteApp version 3.121.0 includes the following fixes:

- **Finland VAT Report** – The report is updated to correctly calculate the value of the Tax payable/Tax that qualifies for refund box. For more information about the formula change, see the help topic [What goes into each box – Finland VAT Report](#).
- **Germany Monthly/Quarterly VAT Report** - Lines 62, 66, and 68 are updated with the correct formula:
  - Line 62 = Line 52 - Box 66 – Box 61 – Box 62 – Box 67 – Box 63 – Box 59 – Box 64
  - Line 66 = Line 62 + Box 65 + Box 69
  - Line 68 (Box 83) = Line 66 – Box 39

For more information about Germany VAT reporting and formula changes, see the help topics [Submission of VAT Returns in Germany](#) and [What goes into each box – Germany Monthly/Quarterly VAT report](#).
- **One Stop Shop (OSS) Tax Code for Croatia** – The OSS standard tax code rate for Croatia is updated to 25%. To learn more about EU OSS tax codes, see the help topic [EU One Stop Shop Tax Code Provisioning](#).
- **United Kingdom MTD Fraud Prevention Headers** - The following headers are updated to show the correct values in compliance with the U.K. MTD requirements:
  - Gov-Vendor-Version
  - Gov-Client-Browser-Do-Not-Track

To learn more about MTD fraud prevention headers, see the help topic [Sending of MTD Anti-Fraud Headers](#).

## Supplementary Tax Calculation Enhancements

Supplementary Tax Calculation version 1.14.0 includes the following enhancements for the nondeductible input tax feature:

- **100% Nondeductible Tax Code Property** – This new tax code property enables you to calculate and record your 100% nondeductible input tax based on the supplied notional rate of your reverse tax code.
- **Nondeductible Input Tax for Reverse Charge Transactions** – You can now calculate and record nondeductible input tax for reverse charge purchase transactions. The calculation of the nondeductible input tax is derived from the notional rate of the reverse charge tax code.

For more information, see the help topic [Recording Nondeductible Input Tax for Reverse Charge Transactions](#).

## Tax Audit Files Enhancements

Tax Audit Files SuiteApp includes the following enhancements in 2021.2:

- [Enhancements to Period End Journal Entries for France FEC](#)
- [Period End Journals Support](#)
- [Norway Standard Tax Code Enhancements](#)

### Enhancements to Period End Journal Entries for France FEC

In Tax Audit Files version 1.83, the Balance Sheet Closing Entries box is dimmed for France FEC on the Report Preferences page. This type of period end journal is not used in the France FEC report.

For more information, see the help topic [Setting Tax Audit File Report Preferences](#).

## Period End Journals Support

Tax Audit Files version 1.80.0 supports the use of period end journal entries in generating France FEC and Mexico Auxiliary Report of Accounts.

You can set the following preferences on the Report Preferences page to specify the type of period end journals that will be included in the reports:

- Balance Sheet Closing Entries
- Balance Sheet Opening Entries
- Income Statement Closing Entries

For more information, see the help topic [Setting Tax Audit File Report Preferences](#).

## Norway Standard Tax Code Enhancements

Tax Audit Files version 1.84.0 includes the following enhancements to Norway Standard Audit File for Tax (SAF-T) mapping and reports generation:

- [Alternative Tax Code Entries for Norway SAF-T](#)
- [New Country Column on Norway Standard Tax Codes Mapping Category](#)
- [English Description Now Available for Norway Standard Accounts and Tax Codes](#)

### Alternative Tax Code Entries for Norway SAF-T

In version 1.84.0, you can split standard tax codes based on transaction type by creating alternative tax codes.

To create alternative tax codes, go to Setup > Tax Audit Files > Audit Files Field Mapping. Select **NO-SAFT: Standard Tax Codes** in the **Category** dropdown list and click the **Create Alternative Tax Codes** button. You can create alternative tax codes that can be used on sales and purchase transactions separately.

For more information, see the help topic [Creating Alternative Tax Codes](#).

### New Country Column on Norway Standard Tax Codes Mapping Category

The Audit Files Field Mapping page now includes a **Country** column that lets you add a country value to your standard tax code mapping. This additional filter is used in generating the Norway SAF-T report.

For more information, see the help topic [Tax Codes Mapping to Norway Standard Tax Codes](#).

### English Description Now Available for Norway Standard Accounts and Tax Codes

On the Audit Files Field Mapping page, English descriptions are now available when you select one of these categories:

- **NO-SAFT: Standard Tax Codes**
- **NO-SAFT: 2 Digit Standard Accounts**
- **NO-SAFT: 4 Digit Standard Accounts**

## Tax Audit Files Issue Fixes

Tax Audit Files SuiteApp includes the following issue fixes in 2021.2:

- [Tax Audit Files 1.83 Issue Fixes](#)
- [Tax Audit Files 1.83.1 Issue Fixes](#)

## Tax Audit Files 1.83 Issue Fixes

Tax Audit Files SuiteApp version 1.83 includes the following fixes:

- Bill Credits created from Vendor Return Authorizations are now included in Spain Received Invoices - Amending Transactions.
- The Customer ID for Revenue Recognition Journal is now showing when you generate a Portugal SAF-T report.
- Period End Journal balance sheet opening entries are now showing correctly in the Tax Audit File for France FEC.
- The EcrisureNum column of France FEC shows the GL number of the balance sheet period end journal entries.

## Tax Audit Files 1.83.1 Issue Fixes

Tax Audit Files SuiteApp version 1.83.1 includes the following fixes:

- **Spain SII Report** - The ID tag now shows the country code when the ID Type is set to NIF-VAT (02) for specific Intra-Community Transaction reports.
- **France FEC Report** - The report now includes Period End Journals (PEJ) balance sheet opening entries if the posting period is within the period range of report generation.
- **OECD SAF-T Report** - The report is updated to successfully convert the XML file to Excel file format.
- **TAF Report - Primary** option is now available in the **Accounting Book** field of the Audit Files report page.

## Withholding Tax Issue Fixes

Withholding Tax SuiteApp version 1.44.6 includes the following fixes:

- Withholding Tax roles now include the Manage Accounting Periods permission. This permission should also be added to any custom role that creates or edits transactions with withholding tax. Users assigned to any of these roles will be able to edit transactions from a closed period without encountering tax validation errors. For more information, see the help topic [Creating or Customizing Roles to Use Withholding Tax Features](#).
- You can add the Tax Withheld and Total Amount columns to the Payment page, and these columns now show the correct values from the selected invoices. For more information, see the help topic [Withholding Taxes on Payment Acceptance](#).
- The slowness issue when manually setting withholding tax codes per line item is now resolved. However, you may still experience slowness when loading transactions with multiple lines that have default withholding tax codes because the system calculates the withholding tax for each line item.
- The Discount field on the transaction header now accepts a value of zero. This fix addresses the issue that prevents withholding tax calculation if the discount value is zero.
- You can now add One Stop Shop (OSS) items on transactions without triggering withholding tax recalculation when the nexus changes. This fix resolves the issue wherein the page continuously refreshes when the nexus is changed after adding an OSS item.
- The issue that prevents the Withholding Tax subtab from showing on the Bills Payment page in view mode is now fixed.

## Vendors, Purchasing, and Receiving SuiteApps

This release note was updated [September 8, 2021](#).



Following are the 2021.2 vendors, purchasing, and receiving enhancements to SuiteApps:

## Inbound ASN Automation

The Inbound Advance Ship Notice (ASN) Automation SuiteApp automatically creates inbound shipment records from advance ship notices received from the vendor.

This SuiteApp enables you to:

- Create and manage ASNs.
- Import ASNs through CSV and Web Services.
- Define tolerance limits for receiving item overages at the item, vendor, and company levels.
- Set preferences to create purchase order or edit existing purchase order to receive item overages.
- Approve or reject ASNs with item overages.

Inbound ASN Automation is a managed SuiteApp and is available for installation from the SuiteApp Marketplace. For more information, read the help topic [Inbound ASN Automation](#).

## Wholesale Distribution SuiteApps

This release note was updated [September 8, 2021](#).

Following are the 2021.2 wholesale distribution enhancements to SuiteApps:

- [Support for Custom NMFC Values in Bill of Lading](#)
- [Increased Limit for Item Fulfillments Search in Bill of Lading](#)

### Support for Custom NMFC Values in Bill of Lading

Bill of Lading SuiteApp version 1.0.103 enables you to use custom National Motor Freight Classification (NMFC) numbers for your items. You can now edit the NMFC list to add custom values, which you can use when assigning NMFC code in item fulfillments. The Value field in the NMFC list accepts alphanumeric and special characters, but you should avoid using the ampersand (&), greater than (>), and less than (<) symbols. Using these characters may cause issues when printing the bill of lading document.

For more information, read the help topic [Adding NMFC Custom Values](#)

### Increased Limit for Item Fulfillments Search in Bill of Lading

In Bill of Lading SuiteApp version 1.00.4, you can retrieve item fulfillments for sales orders and transfer orders up to the maximum limit allowed in your NetSuite account. Previously, the SuiteApp can process up to a maximum of 4000 item fulfillments only.

For more information, read the help topic [Searching Item Fulfillments on Print Bill of Lading Page](#)

## SuiteApp Distribution

SuiteApp distribution includes SuiteBundler, SuiteApp Marketplace, and SuiteApp Control Center capabilities that you can use to distribute customizations to accounts.

NetSuite 2021.2 includes the following changes:

- [Bundle Support During Release Phasing](#)

## Bundle Support During Release Phasing

Bundle support during phasing of 2021.2 is consistent with the support provided during previous releases. During phasing of 2021.2, some accounts continue to use 2021.1 at the same time that other accounts are upgraded to 2021.2. Therefore, you may be using a different version than some of the accounts where your bundles are installed.

Review the following descriptions for a reminder of how bundles from different versions are handled during release phasing:

- Bundles developed with 2021.1 can be installed in accounts that are already using 2021.2.
- Bundles developed with 2021.2 can be installed in accounts that are still using 2021.1, but with the following limitations:
  - When a user in a 2021.1 account installs a bundle from a 2021.2 account, the bundle installation stops if there are object types in the bundle that are not supported in 2021.1.
  - A bundle with a script that uses a new API available only in 2021.2 can be installed into a 2021.1 account, but the script may not function correctly because 2021.1 does not support the API.

## SuiteBundler No Longer Receiving Feature Updates

SuiteBundler is still supported, but it will not be updated with any new features. To take advantage of new features for packaging and distributing customizations, you can use the Copy to Account and SuiteCloud Development (SDF) features instead of SuiteBundler.

Copy to Account is an administrator tool that you can use to copy custom objects between your accounts. The tool can copy one custom object at a time, including dependencies and data. For more information, see the help topic [Copy to Account Overview](#).

SuiteCloud Development Framework is a development framework that you can use to create SuiteApps from an integrated development environment (IDE) on your local computer. For more information, see the help topic [SuiteCloud Development Framework Overview](#).

## SuiteBuilder – Customization

NetSuite 2021.2 includes the following enhancements to SuiteBuilder features:

- [Improved Security for Storing Custom Password Field Values](#)
- [New Locale Parameter for Numbers in Advanced Printing Templates](#)

## Improved Security for Storing Custom Password Field Values

As of 2021.2, the SuiteScript 1.0 `nlapiEncrypt(s, algorithm, key)` default encryption method is no longer supported when used to check custom password fields. In addition, SuiteScript 2.x

[Record.getValue\(options\)](#) and [CurrentRecord.getValue\(options\)](#) methods are no longer supported for custom password fields.

You can use the SuiteScript 1.0 [nlapiCheckPasswordField\(type, id, value, field, sublist, line\)](#) function or the SuiteScript 2.x [crypto.checkPasswordField\(options\)](#) method to check and validate values in custom password fields. In SuiteScript 2.x, if you continue to use [Record.getValue\(options\)](#) or [CurrentRecord.getValue\(options\)](#) on custom password fields, the value will no longer be returned as a hashed value, but will be obfuscated instead. For this reason, you should use the [crypto.checkPasswordField\(options\)](#) in your SuiteScript 2.x scripts. For more information, see the help topic [crypto.checkPasswordField\(options\)](#).

Update your scripts to use the new SuiteScript checkPasswordField APIs. For more information, see SuiteAnswer 96720: [Upcoming Changes to Supported APIs for Checking Custom Password Fields](#).

## New Locale Parameter for Numbers in Advanced Printing Templates

A new parameter is available for the `nsformat_number` formatting method. The new parameter enables you to specify the locale to use to format the value of a numerical field. This parameter overrides the locale of the logged in user for the specific field only. You can set this parameter in the source code only.

The format of the new parameter is `${nsformat_number(record.field, "xx_XX")}`, where `record.field` represents the field and `xx_XX` represents the country locale code. For example, use `${nsformat_number(item.quantity, "cs_CZ")}` to format the Quantity field according to Czech Republic standards.

If the locale code is valid, the results are formatted according to the locale specified. If the locale code is invalid, the formatting defaults to use `en_US` (U.S. English). If the locale value is null or empty, the formatting defaults to use the locale of the logged-in user.

For more information, see the [FreeMarker Formatting Method](#) section of Syntax for Advanced Template Fields.

## SuiteCloud Development Framework

SuiteCloud Development Framework (SDF) is a development framework and deployment mechanism. Customers and partners can use SDF to create customization projects for internal use within their organizations or for commercial distribution. For more information about SDF, see the help topic [SuiteCloud Development Framework Overview](#).

For a complete list of custom records and customizations that are supported by SDF, see the help topic [Customizations Supported by SuiteCloud Development Framework](#).

NetSuite 2021.2 includes the following enhancements to SDF features:

- [Installation Preferences Configuration Updates](#)
- [Enhanced Feature Dependencies Updates](#)
- [Minor Updates to Custom Objects](#)
- [SDF Support for Translation String Validation](#)

## Installation Preferences Configuration Updates

SDF SuiteApp installation preferences have been updated with the following enhancements:

- You can now configure installation preferences for custom record types and custom lists in addition to script deployments.
- When an SDF SuiteApp is installed (or an SDF project is deployed), you can choose to preserve some or all of the existing data in the target account for script deployments, custom record types, and custom lists. Preserving data can be useful when you do not want to overwrite values your SuiteApp users have modified in the target account, such as script deployments, custom record instances, or custom list values.

You can configure SDF SuiteApp installation preferences by editing the code block `<preference type="OVERWRITING">` in the `overwriting.xml` file, which is located in the `InstallationPreferences` folder of your SDF project.

The following information describes the fields you can set for SDF SuiteApp installation preferences:

- For script deployments, you can set the following preferences:
  - For the `scriptdeployments` field, you can set the `defaultAction` attribute to `OVERWRITE` or `PRESERVE`. This setting is the default applied to all script deployments that are not explicitly set by the `scriptdeployment` field's `action` attribute.
  - For the `scriptdeployment` field, you can set the `action` attribute to `OVERWRITE` or `PRESERVE`. This setting applies to a specific script deployment.

The following code sample configures an SDF SuiteApp's installation preferences to overwrite all script deployments in the target account by default, with the exception to preserve the script deployment `customscript_user_event_example.customdeploy_ue_example`:

```
1 <scriptdeployments defaultAction="OVERWRITE">
2   <scriptdeployment scriptid="customscript_user_event_example.customdeploy_ue_example" action="PRESERVE"/>
3 </scriptdeployments>
```

- For custom record types, you can set the following preferences:
  - For the `instances` field, you can set the `defaultAction` attribute to `OVERWRITE` or `PRESERVE`. This setting is the default applied to all custom record instances that are not explicitly set by the `instance` field's `action` attribute.
  - For the `instance` field, you can set the `action` attribute to `OVERWRITE` or `PRESERVE`. This setting applies to an individual custom record type instance.

The following code sample configures an SDF SuiteApp's installation preferences to preserve all of the instances for custom record type `customrecord_type_example` in the target account by default, except for the instance `customrecord_instance_example` which will be overwritten:

```
1 <customrecordtypes>
2   <customrecordtype scriptid="customrecord_type_example">
3     <instances defaultAction="PRESERVE">
4       <instance scriptid="customrecord_instance_example" action="OVERWRITE"/>
5     </instances>
6   </customrecordtype>
7 </customrecordtypes>
```

- For custom lists, you can set the following preferences:
  - For the `customvalues` field, you can set the `defaultAction` attribute to `OVERWRITE` or `PRESERVE`. This setting is the default applied to all custom list values that are not explicitly set by the `customvalue` field's `action` attribute.
  - For the `customvalue` field, you can set the `action` attribute to `OVERWRITE` or `PRESERVE`. This setting applies to an individual list value.

The following code sample configures an SDF SuiteApp's installation preferences to overwrite all of `customlist_example` custom list's values in the target account by default, except for the `customlist_value_example` value which will be preserved:

```

1 <customlists>
2   <customlist scriptid="customlist_example">
3     <customvalues defaultAction="OVERWRITE">
4       <customvalue scriptid="customlist_value_example" action="PRESERVE"/>
5     </customvalues>
6   </customlist>
7 </customlists>

```

For more information about configuring installation preferences in the `overwriting.xml` file, see the help topic [Overwrite Settings for SDF SuiteApp Projects](#).

## Enhanced Feature Dependencies Updates

Enhanced feature dependencies now support OneWorld components. Your users can now install an SDF SuiteApp that contains a subset of OneWorld components to accounts that do not have OneWorld functionality. Your users can install such SDF SuiteApps without encountering warnings of errors about missing features. This functionality is available for the following subset of SDF custom objects:

- customrecordcustomfield
- otherrecordfield

Note that when you install an SDF SuiteApp containing the customrecordcustomfield object with a Subsidiary field, those record fields will only appear in OneWorld accounts.

For more information, see the help topic [Enhanced Feature Dependencies for SDF Custom Objects Containing OneWorld Components](#).

## Minor Updates to Custom Objects

Note the following information about updates to SDF support for custom objects:

Object	Field	Type	Notes
centercategory	linkobject	single-select list	This field now accepts references to the custom type <a href="#">customlist</a> .
crmcustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">crmcustomfield</a> .
customrecordtype	otherrecords	single-select list	This field now accepts references to the custom type <a href="#">customrecordcustomfield</a> .
customsegment	otherrecords	field group	New segmentapplication field group.
entitycustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">crmcustomfield</a> .
financiallayout	—	—	New custom object. For the list of fields, see the help topic <a href="#">financiallayout</a> .
itemcustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">crmcustomfield</a> .
	appliestoexpense	boolean	New field.

Object	Field	Type	Notes
itemnumbercustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">crmcustomfield</a> .
itemoptioncustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">itemnumbercustomfield</a> .
othercustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">othercustomfield</a> .
reportdefinition	—	—	New custom object. For the list of fields, see the help topic <a href="#">reportdefinition</a> .
role	coreadminpermission	boolean	New field.
	accountingbooksoption	single-select list	New field.
transactionbodycustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">transactionbodycustomfield</a> .
transactioncolumncustomfield	sourcefrom	single-select list	This field now accepts references to the custom type <a href="#">transactioncolumncustomfield</a> .
translationcollection	For string: scriptid	string	This attribute value can now be up to 255 characters long.

For more information about SDF custom object fields, see the help topic [SuiteCloud Development Framework XML Reference](#).

## SuiteCloud SDK

SuiteCloud Software Development Kit (SuiteCloud SDK) is a set of tools you can use to develop SuiteCloud Development Framework (SDF) projects. These tools are the SuiteCloud IDE plug-ins and command-line interfaces (SuiteCloud CLI).

This release note was updated [January 5, 2022](#).

### ■ [A New Version of the NetSuite SDK Tools Is Now Available](#)

## A New Version of the NetSuite SDK Tools Is Now Available

A new version of the NetSuite SDK tools with updated dependencies is now available for download. For more information, see:

- [Installing CLI for Java](#) to update SuiteCloud CLI for Java to 2021.2.3.
- [Installing CLI for Node.js](#) to update SuiteCloud CLI for Node.js to 1.3.2.
- [Installing SuiteCloud Extension for Visual Studio Code](#) to update SuiteCloud Extension for Visual Studio Code to 1.0.4.
- [Update SuiteCloud IDE Plug-in for WebStorm](#) to update SuiteCloud IDE Plug-in for WebStorm to 2021.2.3.

- [Updating Eclipse for Use with SuiteCloud IDE Plug-in](#) to update SuiteCloud IDE Plug-in for Eclipse to 2021.2.2.

## SuiteScript

This release note was updated [September 15, 2021](#).

Refer to the following sections for details on SuiteScript updates for NetSuite 2021.2:

- [Workbook API Is Now Generally Available](#)
- [New SecureString.replaceString Method Added to https.SecureString](#)
- [https.SecureString Method Parameters Have Changed](#)
- [MD5 and SHA1 Hash Algorithms Are No Longer Valid](#)
- [Changes to nlapiEncrypt, CurrentRecord.getValue, and Record.getValue for Custom Password Fields](#)
- [2021.2 SuiteScript Record Exposures](#)
- [2021.2 SuiteScript Records Browser](#)

## Workbook API Is Now Generally Available

The Workbook API is now generally available in this release. The Workbook API supports a wide range of features that let you build SuiteAnalytics datasets and workbooks using SuiteScript. The N/dataset module lets you build datasets, and you can use columns, joins, and conditions to filter your data. The N/workbook module lets you build workbooks using analytics concepts such as data measures, calculated measures, and data dimensions. You can also use the N/workbook module to create pivot tables to analyze your data.

In addition to features that were released previously as beta features, this release includes the following features:

- **Dataset saving** - You can now save your datasets using the new `Dataset.save()` method in the N/dataset module. This method lets you save a dataset with a name and, optionally, a custom ID and description. You can use this method to save a new dataset, but you cannot use it to update an existing dataset (the dataset name and ID must be unique each time you call `Dataset.save()`).
- **Dataset linking** - You can use the new N/datasetLink module to logically join two datasets and use data from both datasets in your pivots. Linking datasets is useful when you cannot use joins in the SuiteAnalytics Workbook UI or the Workbook API to join record types explicitly. Linking datasets does not merge the datasets. Instead, you specify an expression (which usually corresponds to a common column that is shared between the two datasets), and this expression is used to link the datasets. After datasets are linked, you can access all of the data in both datasets to use in workbooks. For more information, see [Dataset Linking in SuiteAnalytics Workbook](#).
- **Pivot execution** - After you define a pivot table for your data, you can now run the pivot and retrieve the results using the new `Workbook.runPivot()` method in the N/workbook module. This method always returns the full results of the pivot, but it can include different data types (such as a record, record key, range, or currency) depending on the pivot. You can run pivots synchronously or asynchronously in server scripts using the N/task module, or you can run pivots synchronously or using promises in client scripts. You can also run a pivot ad-hoc without a predefined dataset or workbook.
- **Conditional formatting** - You can change the format of cells in pivot tables based on conditions that you specify. You can change the color, font style, or font weight to highlight cells that meet certain conditions. You can also define multiple formatting rules for a cell.

For more information, see the help topic [Workbook API](#).

## New SecureString.replaceString Method Added to https.SecureString

The [https.SecureString](#) object has a new method: [SecureString.replaceString\(options\)](#). This method is used to replace all occurrences of a pattern string inside an [https.SecureString](#) with a replacement string. The updated string is returned.

This new method is an equivalent of the SuiteScript 1.0 method `nlobjCredentialBuilder.replace(string1, string2)`.

## https.SecureString Method Parameters Have Changed

To support more secure functionality of the [https.SecureString](#) object, the parameters in the following methods have been changed or added:

- The [SecureString.appendSecureString\(options\)](#) method now includes the `options.keepEncoding` parameter to keep the appended string in its original encoding.
- The [SecureString.appendString\(options\)](#) method now includes the `options.keepEncoding` parameter to keep the appended string in its original encoding. You should use the [SecureString.appendString\(options\)](#) method only for appending a string (UTF-8) to a SecureString.
- The [SecureString.convertEncoding\(options\)](#) method now includes the `options.fromEncoding` parameter to specify the original encoding to convert from.
- The [SecureString.hash\(options\)](#) method now includes the `options.contentEncoding` and `options.resultEncoding` parameters to specify the encoding to be used for the SecureString and the resulting hash string.
- The [SecureString.hmac\(options\)](#) method now includes the `options.contentEncoding` and `options.resultEncoding` parameters to specify the encoding to be used for the SecureString and the resulting HMAC string.

For complete information on all parameters for SecureString methods, see the help topic [https.SecureString](#).

## MD5 and SHA1 Hash Algorithms Are No Longer Valid

Support for the MD5 and SHA1 hash algorithms in SuiteScript 1.0 and SuiteScript 2.x are no longer valid. This change affects the following SuiteScript 1.0 method and SuiteScript 2.0 APIs and objects:

Method, API, or Object	Description
<a href="#">nlobjCredentialBuilder(string, domainString)</a>	Use of the <code>md5()</code> and <code>sha1()</code> functions results in an error: <code>HASHING_ALGORITHM_NO_LONGER_VALID</code> .  The <code>hmac(context, credential, algorithm)</code> function works only if the last parameter is <code>sha256</code> or <code>sha512</code> :  <code>nlobjCredentialBuilder(data, domain).hmac(nlapiGetContext(), 'my secret key', 'sha256')</code> .
<a href="#">certificate.HashAlg</a>	The SHA1 value for <a href="#">certificate.HashAlg</a> is no longer valid.



Method, API, or Object	Description
	<p>This change affects the <code>options.algorithm</code> parameter of the <a href="#">certificate.createSigner(options)</a>, <a href="#">certificate.createVerifier(options)</a>, and <a href="#">certificate.signXml(options)</a> methods.</p> <p>Use of the SHA1 value results in an error: <code>HASHING_ALGORITHM_NO_LONGER_VALID</code>.</p>
<a href="#">crypto.HashAlg</a>	<p>The MD5 and SHA1 values for <a href="#">crypto.HashAlg</a> are no longer valid.</p> <p>This change affects the <code>options.algorithm</code> parameter of the <a href="#">crypto.createCipher(options)</a>, <a href="#">crypto.createDecipher(options)</a>, <a href="#">crypto.createHash(options)</a>, and <a href="#">crypto.createHmac(options)</a> methods.</p> <p>Use of the MD5 and SHA1 values results in an error: <code>HASHING_ALGORITHM_NO_LONGER_VALID</code>.</p>
<a href="#">https.HashAlg</a>	<p>The MD5 and SHA1 values for <a href="#">https.HashAlg</a> are removed.</p> <p>This change affects the <code>options.algorithm</code> parameter of the <a href="#">SecureString.hash(options)</a> and <a href="#">SecureString.hmac(options)</a> methods. Use of the MD5 and SHA1 values will result in an error: <code>HASHING_ALGORITHM_NO_LONGER_VALID</code>.</p>

Scripts that use MD5 or SHA1 as the hash algorithm must be updated to use a different hash algorithm, such as SHA256 or SHA512, to ensure these scripts continue to work as expected after the upgrade to 2021.2.

## Changes to `nlapiEncrypt`, `CurrentRecord.getValue`, and `Record.getValue` for Custom Password Fields

The use of the SuiteScript 1.0 [nlapiEncrypt\(s, algorithm, key\)](#) function for custom password fields is no longer supported. You should not use the SuiteScript 2.x [CurrentRecord.getValue\(options\)](#) and [Record.getValue\(options\)](#) methods for custom password fields. You can now use [nlapiCheckPasswordField\(type, id, value, field, sublist, line\)](#) for custom password fields in SuiteScript 1.0 and [crypto.checkPasswordField\(options\)](#) for SuiteScript 2.x custom password fields.

For more information, see [Upcoming Changes to Supported APIs for Checking Custom Password Fields](#) (SuiteAnswers ID 97620).

## Email Send Security Update in 2021.1

A new Vicarious Emails permission that lets users send email on behalf of another user is introduced in August of the 2021.1 release. This new permission allows a role to define an author (sender) that is different from the current user.

This permission is automatically added to existing roles in your account to prevent disruption to current email sent from known users via SuiteScript. However, this permission is not automatically added to roles that can indirectly execute scripts. If these types of roles indirectly execute a script that sends email on behalf of another user, a warning is logged in the script execution log.

When you create a new custom role in your NetSuite account that needs to send email on behalf of another user, you should now include the Vicarious Emails permission.

You need to take action to address these warnings before August 1, 2021. As of August 2021, these exceptions will no longer simply log the warning message but will throw an error. To avoid this issue, you

must update script deployments that have this warning in the script execution log to run as roles that have the Vicarious Emails permission. You should not use the Current Role selection in the **Execute As Role** field.

You can identify suspect scripts by reviewing the script execution logs for these Emergency log messages: "Action Required: Email on behalf of other than currently logged in entity was sent by script {the script id}."

For more information, see the following topics:

- [N/email Module](#); also available as SuiteAnswers ID 43736, [https://netsuite.custhelp.com/app/answers/detail/a\\_id/43736](https://netsuite.custhelp.com/app/answers/detail/a_id/43736)
- [Customizing and Creating Roles](#); also available as SuiteAnswers ID 91073, [https://netsuite.custhelp.com/app/answers/detail/a\\_id/91073](https://netsuite.custhelp.com/app/answers/detail/a_id/91073)

## 2021.2 SuiteScript Record Exposures

Record Type	Newly Exposed or Updated	Notes
<a href="#">Employee Expense Source Type</a>	Newly Exposed	<p>The Employee Expense Source Type record is available when the Expense Report feature is enabled.</p> <p>The Employee Expense Source Type record is scriptable in both server and client SuiteScript.</p> <p>The Employee Expense Source Type record is fully scriptable — it can be created, updated, copied, deleted, and searched using SuiteScript. It can also be transformed.</p>
<a href="#">Imported Employee Expense</a>	Newly Exposed	<p>The Imported Employee Expense record is available when the Expense Report feature is enabled.</p> <p>The Imported Employee Expense record is scriptable in both server and client SuiteScript.</p> <p>The Imported Employee Expense record is fully scriptable — it can be created, updated, copied, deleted, and searched using SuiteScript. It can also be transformed.</p>
<a href="#">Expense Report Policy</a>	Newly Exposed	<p>The Expense Report Policy record is available when the Expense Report feature is enabled.</p> <p>The Expense Report Policy record is scriptable in both server and client SuiteScript.</p> <p>The Expense Report Policy record cannot be transformed.</p>

## 2021.2 SuiteScript Records Browser

The 2021.2 version of the [SuiteScript Records Browser](#) is now available.

You can find links to the SuiteScript Records Browser in several places, including the following:

- The help topic titled [Working with the SuiteScript Records Browser](#).
- The reference page for each supported record in the SuiteScript Records Guide. The [SuiteScript Records Guide](#) is available in the NetSuite Help Center and can be downloaded as a PDF from the [User Guides](#) topic.

# SuiteTalk Web Services Integration

NetSuite 2021.2 includes the following enhancements to web services features:

- REST Query Service
  - [REST Query Service Is Generally Available](#)
- SOAP Web Services
  - [SOAP Web Services Version 2021.2](#)
  - [Araxis Merge Diff File for the 2021.2 Endpoint](#)
  - [2021.2 SOAP Schema Browser](#)

## REST Query Service Is Generally Available

All the features that belong to the REST Query Service are generally available. Previously, you had to enable the REST Query Service (Beta) feature to work with the dataset-related features that belong to the REST Query Service.

You can work with datasets and related functionality by enabling the REST Web Services feature at Setup > Company > Setup Tasks > Enable Features, in the SuiteTalk (Web Services) section, on the SuiteCloud subtab.

For information about the REST Query Service features, see the help topics [SuiteTalk REST Web Services Overview and Setup](#) and [Record Filtering and Query](#).

## SOAP Web Services Version 2021.2

SOAP web services version 2021.2 is available. When your implementation is upgraded to 2021.2, the 2021.2 WSDL becomes available in your production account.

You do not need to upgrade your WSDL when the new version is generally available. NetSuite supports each endpoint for three years. For information about the supported generally available versions, see the help topic [Support for Existing WSDL Versions](#).

## Araxis Merge Diff File for the 2021.2 Endpoint

The [Araxis Merge diff file](#) highlights the schema changes between the 2021.1 and 2021.2 endpoints.

- [About the Araxis Merge Diff File](#)
- [Using the Araxis Merge Diff File](#)

### About the Araxis Merge Diff File

NetSuite publishes an Araxis Merge diff file for every new endpoint. Depending on the scope of the release, changes described in the Araxis Merge diff file may include:

- New record types
- Elements (fields) that have been added, removed, or changed
- New sublists (lists)

- New joins
- New search filters and search return columns
- New platform operations

## Using the Araxis Merge Diff File



**Important:** The screenshots in this section are for illustrative purposes only. They do not reflect changes related to any specific endpoint.

The Araxis Merge diff file is generated using Araxis Merge. When you click the Araxis Merge diff file link (when it is available), a page appears that offers an overview of all schema changes.

The following screenshot shows how this summary page looks. In this example, the highlighted rows indicate that an XSD has been modified. The integers at the center indicate the number of changed lines in the file. To see the exact differences, click the report link in the column on the right, or click the name of the file in either column.

<a href="#">activities.scheduling.xsd</a>	3	<a href="#">activities.scheduling.xsd</a>	<a href="#">Report 1</a>
<a href="#">activities.schedulingTypes.xsd</a>	1	<a href="#">activities.schedulingTypes.xsd</a>	<a href="#">Report 2</a>
<a href="#">documents.fileCabinet.xsd</a>	0	<a href="#">documents.fileCabinet.xsd</a>	<a href="#">Report 3</a>
<a href="#">documents.fileCabinetTypes.xsd</a>	2	<a href="#">documents.fileCabinetTypes.xsd</a>	<a href="#">Report 4</a>
<a href="#">general.communication.xsd</a>	3	<a href="#">general.communication.xsd</a>	<a href="#">Report 5</a>
<a href="#">general.communicationTypes.xsd</a>	0	<a href="#">general.communicationTypes.xsd</a>	<a href="#">Report 6</a>
<a href="#">lists.accounting.xsd</a>	32	<a href="#">lists.accounting.xsd</a>	<a href="#">Report 7</a>
<a href="#">lists.accountingTypes.xsd</a>	5	<a href="#">lists.accountingTypes.xsd</a>	<a href="#">Report 8</a>
<a href="#">lists.employees.xsd</a>	0	<a href="#">lists.employees.xsd</a>	<a href="#">Report 9</a>
<a href="#">lists.employeeTypes.xsd</a>	0	<a href="#">lists.employeeTypes.xsd</a>	<a href="#">Report 10</a>
<a href="#">lists.marketing.xsd</a>	0	<a href="#">lists.marketing.xsd</a>	<a href="#">Report 11</a>
<a href="#">lists.marketingTypes.xsd</a>	0	<a href="#">lists.marketingTypes.xsd</a>	<a href="#">Report 12</a>
<a href="#">lists.relationships.xsd</a>	10	<a href="#">lists.relationships.xsd</a>	<a href="#">Report 13</a>
<a href="#">lists.relationshipTypes.xsd</a>	1	<a href="#">lists.relationshipTypes.xsd</a>	<a href="#">Report 14</a>
<a href="#">lists.supplyChain.xsd</a>	0	<a href="#">lists.supplyChain.xsd</a>	<a href="#">Report 15</a>
<a href="#">lists.supplyChainTypes.xsd</a>	0	<a href="#">lists.supplyChainTypes.xsd</a>	<a href="#">Report 16</a>
<a href="#">lists.support.xsd</a>	2	<a href="#">lists.support.xsd</a>	<a href="#">Report 17</a>
<a href="#">lists.supportTypes.xsd</a>	0	<a href="#">lists.supportTypes.xsd</a>	<a href="#">Report 18</a>

When you click any of these links, the Araxis Merge diff file shows a page with two columns. The previous version of the file is displayed on the left, and the new version is displayed on the right. Changed elements are highlighted.

For example, the following screenshot shows an excerpt from the report on platform.commonTypes.xsd. Notice the addition of two values to the PermissionCode enumeration: `_accessPaymentAuditLog` and `_advancedPDFHTMLTemplates`.

500	<!-- PermissionCode/start -->	500	<!-- PermissionCode/start -->
501	<simpleType name="PermissionCode">	501	<simpleType name="PermissionCode">
502	<restriction base="xsd:string">	502	<restriction base="xsd:string">
503	<enumeration value="_accountDetail"/>	503	<enumeration value="_accountDetail"/>
504	<enumeration value="_accountingBook"/>	504	<enumeration value="_accountingBook"/>
505	<enumeration value="_accountingLists"/>	505	<enumeration value="_accountingLists"/>
506	<enumeration value="_accounts"/>	506	<enumeration value="_accounts"/>
507	<enumeration value="_accountsPayable"/>	507	<enumeration value="_accountsPayable"/>
508	<enumeration value="_accountsPayableGraphing"/>	508	<enumeration value="_accountsPayableGraphing"/>
509	<enumeration value="_accountsPayableRegister"/>	509	<enumeration value="_accountsPayableRegister"/>
510	<enumeration value="_accountsReceivable"/>	510	<enumeration value="_accountsReceivable"/>
511	<enumeration value="_accountsReceivableGraphing"/>	511	<enumeration value="_accountsReceivableGraphing"/>
512	<enumeration value="_accountsReceivableRegister"/>	512	<enumeration value="_accountsReceivableRegister"/>
513	<enumeration value="_accountsReceivableUnbilled"/>	513	<enumeration value="_accountsReceivableUnbilled"/>
514	<enumeration value="_adjustInventory"/>	514	<enumeration value="_adjustInventory"/>
515	<enumeration value="_adjustInventoryWorksheet"/>	515	<enumeration value="_adjustInventoryWorksheet"/>
516	<enumeration value="_adminDocs"/>	516	<enumeration value="_adminDocs"/>
517	<enumeration value="_adpImportData"/>	517	<enumeration value="_adpImportData"/>
518	<enumeration value="_adpSetup"/>	518	<enumeration value="_adpSetup"/>
519	<enumeration value="_advancedAnalytics"/>	519	<enumeration value="_advancedAnalytics"/>
520	<enumeration value="_allocationSchedules"/>	520	<enumeration value="_allocationSchedules"/>
521	<enumeration value="_allowNonGLChanges"/>	521	<enumeration value="_allowNonGLChanges"/>
		522	<enumeration value="_accessPaymentAuditLog"/>
		523	<enumeration value="_advancedPDFHTMLTemplates"/>

The Araxis Merge diff file also shows changes to data types. The following screenshot is a snapshot of transactions.sales.xsd. Notice that the `chargeType` element changed from an enumeration to a `RecordRef`.

1054	<element name="vsoeDelivered" type="xsd:boolean" minOccurs="0"/>	1065	<element name="vsoeDelivered" type="xsd:boolean" minOccurs="0"/>
1055	<element name="chargeType" type="platformCore:ChargeRuleType" minOccurs="0"/>	1066	<element name="chargeType" type="platformCore:ChargeRuleType" minOccurs="0"/>
1056	<element name="chargeList" type="platformCore:RecordRefList" minOccurs="0"/>	1067	<element name="chargeList" type="platformCore:RecordRefList" minOccurs="0"/>
1057	<element name="customFieldList" type="platformCore:CustomFieldList" minOccurs="0"/>	1068	<element name="customFieldList" type="platformCore:CustomFieldList" minOccurs="0"/>

## 2021.2 SOAP Schema Browser

The 2021.2 version of the [SOAP Schema Browser](#) is now available. You can find links to the SOAP Schema Browser in several places, including the following:

- The help topic titled [SOAP Schema Browser](#).
- The reference page for each supported record in the SOAP Web Services Records Guide. The [SuiteTalk SOAP Web Services Records Guide](#) is available in the NetSuite Help Center and can be downloaded as a PDF from the [User Guides](#) topic.

## Taxation

NetSuite 2021.2 includes the following enhancements to taxation features:

- SuiteTax
  - Tax Reporting Framework Enhancements
    - Set Up Tax Return Page Enhancements
    - Tax Reporting Category Enhancements
    - Custom Detailed Report Templates
    - EU VAT One Stop Shop Reports for Accounts without SuiteTax
    - Enhanced Support for Accounts without SuiteTax
    - Support for India SuiteTax Engine SS2
    - SuiteQL Support and Country Tax Reports Page Enhancements
  - France Localization Enhancements
  - United Kingdom Localization Enhancements
- Legacy Tax
  - Changes to VAT Thresholds in the EU and the Introduction of One Stop Shop (OSS)
  - International Tax Reports Enhancements
    - Ireland Postponed Accounting for VAT on Imported Goods
    - EU VAT One Stop Shop Tax Code Provisioning
    - Germany VAT Report Updates
    - United Kingdom Reduced Rate Tax Code and VAT100 Report Updates
  - International Tax Reports Issue Fixes
    - International Tax Reports 3.120.0 Issue Fixes
    - International Tax Reports 3.121.0 Issue Fixes
  - Supplementary Tax Calculation Enhancements
  - Tax Audit Files Enhancements
    - Enhancements to Period End Journal Entries for France FEC
    - Period End Journals Support
    - Norway Standard Tax Code Enhancements

- Tax Audit Files Issue Fixes
  - Tax Audit Files 1.83 Issue Fixes
  - Tax Audit Files 1.83.1 Issue Fixes
- Withholding Tax Issue Fixes
- ANZ Localization Enhancements
- France Localization Enhancements
- Norway Tax Reports Enhancements
- Portugal Invoice Certification Document Series
- Portugal SAF-T Enhancements


## Changes to VAT Thresholds in the EU and the Introduction of One Stop Shop (OSS)

As of **July 01, 2021**, the European Union (EU) abolished their distance selling threshold and replaced it with a common threshold of €10,000 for business-to-consumer (B2C) sales throughout the EU. To simplify VAT collection and minimize cross-border compliance costs, the EU extended the current Mini One Stop Shop (MOSS) scheme. The scheme is now called One Stop Shop (OSS) and includes physical, as well as digital, goods and services.

As of 2021.2, NetSuite extends the existing MOSS functionality. If you use Legacy Tax, you can take advantage of the new OSS scheme. With this enhanced feature, you can do the following:

- Set the member state of identification to a particular subsidiary.
- Apply an OSS nexus to transactions where OSS items have been included.
- Enable the OSS feature and enable automatic creation of VAT codes for the 27 EU member states.
- Update VAT determination logic based on the country of consumption of goods and services.

If you were using the MOSS scheme, NetSuite automatically migrates the item records containing the **MOSS Applies** checkbox (regardless of box setting) to the OSS scheme.

 **Note:** The One Stop Shop feature requires that you first install the International Tax SuiteApp (Bundle ID 43003), which provides OSS tax codes and tax types. For more information on installing this SuiteApp, see the help topic [Installing and Setting Up International Tax Reports](#).

For more information on the One Stop Shop feature, see the help topic [EU One Stop Shop \(OSS\)](#). For an overview of the legislative changes see [SuiteAnswers Article ID 99970](#).

## User Interface

NetSuite 2021.2 includes the following enhancement to the NetSuite User Interface:

### End of Support for Some Browsers

As of 2021.2, NetSuite no longer supports the following browsers:

- Microsoft Internet Explorer 11

- Microsoft Edge (EdgeHTML)
- All Safari versions prior to 13.1

If you use any browsers included in the preceding list, you should switch to another supported browser. As of 2021.2, NetSuite no longer tests or addresses any issues related to these browsers.

If you use an unsupported browser after your account is upgraded to 2021.2, the NetSuite Login and two-factor authentication pages may not work as expected. You may also experience loss of functionality on other NetSuite pages. To avoid any unexpected behavior, you should switch to a supported browser. For information about supported browsers, see the help topic [Supported Browsers for NetSuite](#).

## Vendors, Purchasing, and Receiving

NetSuite 2021.2 includes the following enhancement to the vendors, purchasing, and receiving features:

### Cross-Subsidiary Requisitions

As of NetSuite 2021.2, the Centralized Purchasing and Billing feature enables you to consolidate requisitions entered from any subsidiary into a single centralized purchase order. Regardless of which subsidiary places the requisition or purchase order, Centralized Purchasing and Billing enables you to receive purchased goods and services in any subsidiary and location in your company. When you receive and pay for a purchase order in a different subsidiary, automatic cross-charges balance the ledger and intercompany accounts. Each target subsidiary receives their part of the centralized purchase order in the set target location and generates their own receipt.

To enable cross-subsidiary requisitions, you must enable both the Centralized Purchasing and Billing feature and the Requisitions feature.

For more information, see the following help topics:

- [Centralized Purchasing and Billing](#)
- [Cross-Subsidiary Requisitions](#)
- [Requisitions](#)