

NetSuite 2016.2 Release Notes

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Important: This document summarizes the changes to NetSuite between 2016.2 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 2016.2 enhancements and changes listed in this document are not available to NetSuite customers until they are upgraded to NetSuite 2016.2. Please check the version number at the bottom of your Home page if you are unsure which NetSuite version you are using.

Click links in the following table for details about product changes:

Product	Section	Summary
NetSuite	Accounting	Change to Merging Accounts Quick Close Accounting Period Statutory Chart of Accounts Cumulative Translation Adjustment (CTA) Balance Audit Report Enhancements in Advanced Revenue Management Journal Entry Approval Workflow Legal Name in Chart of Accounts Change to Accounting Periods Feature in Accounts That Are Not OneWorld Allocation Schedule Enhancement Fixed Assets Management Enhancements
	Administration	Several Administrative Permissions Separated from Administrator Role New Permissions for CSV Import and Web Services Preferences Sandbox Refresh Enhancements New URL for Accessing Release Preview New Trusted Devices and Configuration Options for Two-Factor Authentication Voice Option Now Available for SMS Two-Factor Authentication Security Improvements for Inbound Single Sign-on New Notifications for Password Expiration and Password Change Enhancement to the Account Mobility Tasks Page Global Distribution Network Enhancements for Faster Content Delivery
	Banking	Change to Approval Method for Journal Entries Created from Online Bank Statements Change to Adding and Removing Payment Items to and from a Deposit Enhanced Reconciliation Detail Report

Product	Section	Summary
	Customer Relationship Management (CRM)	Spam Protection for Support Case Email Messages Deprecation of CRMSDK Functions Automatic Conversion of CRMSDK Email Templates File Cabinet Folder Renamed NetSuite for Outlook Enhancements
	Employee Management	Weekly Timesheets Time Tracking Enhancements Time Approval Enhancements
	Items and Inventory Management	Bin Management By Location Commit Orders Scheduling Replenish Location by Transfer Order Withdraw by Transfer Order Phantom BOM Transfer Order Enhancements Item Ordering Enhancements In-Process Work Order and Assembly Build Editing Matrix Items Name Template Update Matrix Options on Existing Matrix Items Custom Inventory Item Search Fields Changes to Routing Steps in 2016.2 Advanced Manufacturing Enhancements
	Mobile	Expenses and Purchase Approvals in NetSuite for iOS and Android Remote Configuration Support for SuiteCommerce InStore
	Order Management	Fulfillment Requests Location Record Enhancements New Advanced Order Management Setup Page New Fulfillment Workload Distribution Rule Rerun Automatic Location Assignment Void Payment Authorizations The Bill Sales Orders Menu Options is Renamed to Invoice Sales Orders Changes to How Charges Are Added to Some Transactions Customer Hierarchy Size Limit Support for FedEx Services Support for ZPL Label Printing Format Google Checkout Legacy Fields Removed Online Bill Pay with Metavante Phased Out Preview Payment Processing Profiles for Websites and Subsidiaries Updated Payment-Processing Field Labels Software Vertical Contract Renewals Enhancements Automatic Chargeback Workflow Processing Electronic Payments Enhancements Grid Order Management Enhancement Recurring Billing Enhancements Enhancement to Mexico Compliance Dunning Enhancements
	Projects	Project Billing Rate Cards Project Revenue Recognition Project Template Enhancements

Product	Section	Summary
SuiteCommerce	Vendors, Purchasing, and Receiving	Supply Chain Management Enhancement
	Taxation	Import Withholding Tax Transactions Using Web Services Intrastat Report for Austria Supplementary Tax Calculation Multi-Book Accounting for the Tax Audit Files SuiteApp Multi-Book Accounting for the International Tax Reports SuiteApp
	User Interface	Dashboard SuiteApp Portlets Redesigned Reminders Portlet End of Support for Internet Explorer 10 End of Support for Safari 6 End of Support for Google Chrome on Windows Vista and Mac OS X Versions 10.6, 10.7, and 10.8 Microsoft Edge (Anniversary Update and Later) Now Supported on Windows 10 (Anniversary Update) SuiteSocial Enhancements
	Commerce Platform	Device Fingerprinting in SuiteCommerce Advanced Categories in Search Commerce Categories Management Web Store Shipping Estimator Redesigned System Notes for Web Site Records Enhanced Permissions on SSP Applications Allow other CDN Providers Improve Performance at Checkout through CDN Integration Additional Image Services for Resizing and Caching Performance Support for PST Tax in the Commerce API
	SuiteCommerce Advanced Release Notes	Elbrus Release of SuiteCommerce Advanced
	Site Management Tools	Category Management in SMT
SuiteCloud Platform	SuiteCommerce InStore	Remote Configuration Support for SuiteCommerce InStore SuiteCommerce InStore for Windows SCIS Support for EMV Adding Notes to SCIS Transactions Allowing Price Override on Items in SCIS Prompt for Price Capability in SCIS Support for Localization in SuiteCommerce InStore No Sale Capability in SCIS SCIS Location Settings Changed to SCIS Settings Support for Custom Attributes in the SCIS User Interface Support for Automatic Receipt Printing Permissions for Quotes Change in CustomConfiguration.js for Avatax Support SCIS Saved Searches are Locked SCIS Efix Releases
	SuiteBundler	Bundle Support During Release Phasing Support for Bundling Dashboard SuiteApp Portlets

Product	Section	Summary
		<p>Managed Bundle Upgrade Notifications to Target Account Users</p> <p>Ability to Stop a Managed Bundle Upgrade</p> <p>Notifications for Managed Bundle Upgrades</p> <p>Filtering Bundle Installation and Copy by Account Type</p> <p>Bundle Support for Item Number Custom Fields</p> <p>NetSuite Version Filter for Managed Upgrades</p> <p>Enhanced Bundling of Custom Segments</p>
	SuiteBuilder - Customization	<p>Enhancements to Custom Segments</p> <p>Applying Item Custom Fields to Individual Items</p> <p>Show Hierarchy Option Added to Custom Fields</p>
	SuiteAnalytics (Dashboards, Reporting, and Search)	<p>Advance Notice – Account ID and Role ID Parameters to be Required for SuiteAnalytics Connect Authentication</p> <p>Advance Notice – End of Support for TLS 1.0 in SuiteAnalytics Connect</p> <p>Advance Notice – End of Support for Java and .NET Versions That Do Not Support TLS 1.2</p> <p>Advance Notice – End of Support for Windows Server 2003 for SuiteAnalytics Connect Drivers</p> <p>2016.2 SuiteAnalytics Connect Browser</p>
	CSV Import	<p>CSV Import Supported for Credit Card Transactions</p> <p>CSV Import Supported for Inventory Adjustments</p> <p>CSV Import Supported for Billing Accounts</p> <p>Change to CSV Preference for Script and Workflow Execution</p> <p>Author and Recipient Email Fields Available in Messages Import</p> <p>Overwrite Sublists Available in Journal Entry Import</p> <p>New Character Encodings Supported in CSV Files</p> <p>Change to Chart of Accounts Import in OneWorld Accounts</p>
	SuiteFlow (Workflow Manager)	<p>Workflow Instances and History Record Purge</p> <p>SuiteFlow User Interface View Mode</p> <p>Updated Bulk Approval Conditions</p> <p>Disabling Workflows Triggered by Web Services and CSV Imports</p> <p>Workflow Buttons No Longer Simultaneously Initiate Workflow Instances and Actions</p>
	SuiteScript	<p>RESTlet Concurrency Governance Change</p> <p>Changes to the REST Roles Service</p> <p>SuiteScript Error Email Aggregation</p> <p>Weekly Timesheets – SuiteScript Impact</p> <p>System Notes Added to Script Record and Script Deployment Record</p> <p>Disabling Scripts Triggered by Web Services and CSV Imports</p> <p>Subsidiary Record User Event Scripts Now Triggered by Company Information UI Changes</p> <p>Work Order Record Changes – Deprecated Field IDs</p> <p>Change to Field IDs on the Account Record Localization Subtab</p> <p>Newly Required Fields for Message Records</p> <p>SuiteScript Support for Payroll Records</p>

Product	Section	Summary
		<p>SuiteScript 2.0 Help Enhancement – SuiteScript 1.0 to SuiteScript 2.0 API Map</p> <p>SuiteScript 2.0 Map/Reduce Performance Enhancements</p> <p>SuiteScript 2.0 Portlet Script Support for Dashboard SuiteApps</p> <p>SuiteScript 2.0 Custom Module Loading by Name</p> <p>SuiteScript 2.0 Full Property Initialization With Options Object</p> <p>SuiteScript 2.0 Sublist API Enhancement</p> <p>SuiteScript 2.0 Client-side Sales Order Based Checkout Support</p> <p>SuiteScript 2.0 Current Record API</p> <p>SuiteScript 2.0 SFTP File Transfer API</p> <p>SuiteScript 2.0 Cache API</p> <p>SuiteScript 2.0 Ad-hoc Client Scripts – Module Path Support</p> <p>SuiteScript 2.0 Methods for Working With Select Options</p> <p>SuiteScript Record Exposures</p> <p>2016.2 SuiteScript Records Browser</p> <p>Deprecation of CRMSDK Functions</p>
	SuiteTalk (Web Services) Integration	<p>Ability to Control Scripts and Workflows per Request</p> <p>UI Search Support for Web Services Log Details</p> <p>Integration Application Permissions</p> <p>Permission for Accessing Web Services Logs</p> <p>Newly Supported Record Types for SuiteTalk</p> <p>useBin field exposed for the Location Record</p> <p>Search Supported for the Cost Category Record</p> <p>Custom Segments Supported for the Budget Record</p> <p>Update to the Message Record</p> <p>getConsolidatedExchangeRate Support for Multi-Book Accounting</p> <p>Enhancement to Advanced Search Responses for externalId Values</p> <p>Changes to the GroupMemberSearchBasic Complex Type</p> <p>Changes to the Translation Sublist on the Account Record</p> <p>Web Services Support for Weekly Timesheets Feature</p> <p>Change in Initialization of Deposit Application Record from Customer Deposit Record</p> <p>Change in Initialization of Item Receipt from Transfer Order Record</p> <p>2016.2 WSDL Now Available</p> <p>Araxis Merge Diff File for the 2016.2 Endpoint</p> <p>2016.2 SuiteTalk Schema Browser</p>
	SuiteCloud IDE	SuiteCloud IDE
	SuiteCloud Development Framework (Beta)	SuiteCloud Development Framework (Beta)
SuiteApps	SuiteApps (Bundles) Released by NetSuite	<p>Recurring Resource Allocations Supported in the Resource Allocation Chart/Grid</p> <p>Software Vertical Contract Renewals Enhancements</p> <p>SuiteSocial Enhancements</p> <p>Import Withholding Tax Transactions Using Web Services</p>

Product	Section	Summary
		Intrastat Report for Austria Supplementary Tax Calculation Multi-Book Accounting for the Tax Audit Files SuiteApp Multi-Book Accounting for the International Tax Reports SuiteApp Fixed Assets Management Enhancements NetSuite for Outlook Enhancements Automatic Chargeback Workflow Processing Electronic Payments Enhancements Grid Order Management Enhancement Supply Chain Management Enhancement Recurring Billing Enhancements Advanced Manufacturing Enhancements Enhancement to Mexico Compliance Dunning Enhancements Dun & Bradstreet for NetSuite Integration Enhancements

Accounting

NetSuite 2016.2 includes the following enhancements to accounting features:

- [Change to Merging Accounts](#)
- [Quick Close Accounting Period](#)
- [Statutory Chart of Accounts](#)
- [Cumulative Translation Adjustment \(CTA\) Balance Audit Report](#)
- [Enhancements in Advanced Revenue Management](#)
- [Journal Entry Approval Workflow](#)
- [Legal Name in Chart of Accounts](#)
- [Change to Accounting Periods Feature in Accounts That Are Not OneWorld](#)
- [Allocation Schedule Enhancement](#)
- [Fixed Assets Management Enhancements](#)

Change to Merging Accounts

Prior to 2016.2, when merging bank or credit card accounts the merge process deleted the transaction history from the Merged From account. You could, however, manually preserve the transaction history in the Merged From account **before** performing the merge. To preserve the transaction history, you un-reconciled the reconciled transactions in the account register of the Merge From account. After the merge, you re-reconciled the transactions in the account register of the Merge To account.

In 2016.2, when you merge bank or credit card accounts the merge process automatically un-reconciles the reconciled transactions in the Merge From account. After the merge, you can re-reconcile the transactions in the register of the Merge To account.

Quick Close Accounting Period

NetSuite 2016.2 introduces the Quick Close preference. This time-saving preference is useful when you have reopened one or more closed accounting periods to make a change. With Quick Close, NetSuite

marks complete all tasks in all reopened accounting periods, eliminating the requirement to close them one-by-one. This is also useful when you prefer a one-click method for closing accounting periods.

If your user role is granted both the Set Up Accounting and Period Closing Management permissions and you want to use Quick Close, you must enable the Allow Quick Close of Accounting Periods preference at Setup > Accounting > Accounting Preferences. On the General subtab under the General Ledger section, check the Allow Quick Close of Accounting Periods box and then save.

This preference does not appear in user roles that do not have the Period Closing Management permission.

For more information about Quick Close, see the help topic [Using Quick Close to Close Periods](#).

Statutory Chart of Accounts

If you use NetSuite OneWorld and you have a role with the Set Up Company permission, you can set up accounting contexts at Setup > Company > General Preferences. An accounting context can be a one-to-one relationship between a country's local GAAP (Generally Accepted Accounting Principles) reporting requirements and a statutory chart of accounts (COA). It can also be a unique relationship that meets your company's specific needs.

Accounting contexts are useful when users prefer to work in a local GAAP context, rather than in the consolidated context with one centralized COA. They are also useful if you have Multi-Book Accounting provisioned in your account. You can set an accounting context specific for your secondary book and use it for your secondary book reports. For more information, see the help topic [Setting Up Accounting Contexts](#).

Users can select their preferred accounting context at Home > Set Preferences. When users select an accounting context, all transactions including system-generated transactions post to the defined COA account name and number. For information about user preferences, see the help topic [Setting General Preferences](#).

For example, you have one Sales account in all subsidiaries, but this account has a different, legally-defined name and number in France. Your French accountant can set the accounting context to France and post transactions to a French account. This account is the actual Sales account but with a different name and number. The French accountant can view reports in the preferred account name and number. However, transactions display in the Sales account when the HQ Controller runs a consolidated report.

If Multi-Book Accounting is provisioned in your account, you can create accounts for specific secondary accounting books. Secondary accounting book specific accounts are filtered for your view when you make book-specific secondary book transactions. Accounts that are not available in the primary accounting book do not appear on book-generic transactions. For information about book generic and book specific transactions, see the help topic [Book Generic and Book Specific Records](#).

When an account record is in edit mode, subtabs appear at the bottom of the Account page. The subtabs that appear depend on the features enabled in your system. When an accounting context exists in your system, the Localization subtab (formerly named Translation) on the account record enables you to enter different account names, languages, and numbers for a single account.

On reports that display an Account field, that account displays in the selected accounting context but you can change the display using the More menu. When viewing the detail report associated with a specific summary report, the accounting context defaults to the selection on the summary report and cannot be changed. You can also create saved searches based on accounting context.

On transactions that display the Account field, users see the name and number defined in their selected accounting context.

For information about creating an account, see the help topic [Creating Accounts](#). For information about entering account names, languages, and numbers for a single account, see the help topic [Editing an Account](#).

For information about changes to SuiteScript field IDs on the account record, see [Change to Field IDs on the Account Record Localization Subtab](#).

Cumulative Translation Adjustment (CTA) Balance Audit Report

The new CTA Balance Audit report enables financial controllers to monitor and audit the CTA account balances through the various tiers of OneWorld consolidation nodes. It shows the contribution to the period end CTA balance from individual accounts. The total of all accounts' net contribution in a selected period equals the net change in the CTA balance during the same period.

To access this report, go to Reports > Financial > CTA Balance Audit. You can also drill down on the amount column of the CTA section of the Balance Sheet, Comparative Balance Sheet, and Trial Balance to open this report.

The CTA Balance Audit report is available only in NetSuite OneWorld accounts with the Multiple Currencies and Accounting features enabled. The Financial Statements permission is required to view the report.

Enhancements in Advanced Revenue Management

NetSuite 2016.2 delivers many enhancements to the Advanced Revenue Management feature. Most of these enhancements are in the areas of usability, revenue forecasting, and revenue reclassification. Expanded support for other NetSuite features is also included.

The following provide a brief summary of the enhancements in these areas:

- [Usability Enhancements](#)
- [Forecasting Enhancements](#)
- [Reclassification Enhancements](#)
- [Expanded Support for Other NetSuite Product Areas](#)

For details, see the 2016.2 help center topics under [Using Advanced Revenue Management](#).

Usability Enhancements

The following enhancements to the usability of advanced revenue management are included:

- Advanced cost amortization management automates the accrual and amortization of eligible sales costs, including both direct contract acquisition costs and item-specific costs. To enable this feature, check the Enable Advanced Cost Amortization accounting preference and set the contract acquisition expense and deferred expense accounts. Advanced cost amortization management replaces the previous contract cost deferral preference, which was not automated.
- The Edit Revenue Recognition Plans page now includes a Bulk Plan Update option. When you use this option, you can apply the same change simultaneously to multiple plans that share the same characteristics.
- You can schedule the process that creates revenue recognition journal entries. Previously, the process was run manually as part of the end-of-month revenue processing. It remains part of the month-end process, but now you can set it up in advance to run automatically. To create unscheduled revenue recognition journal entries, go to Schedule Revenue Recognition Journal Entries > Run Now. This command is on the Transactions > Financial menu when you use the

NetSuite Classic interface. In the Accounting Center, the path to the command is Revenue > Revenue Recognition Journal Entries.

- The Revenue Arrangement page includes a View Revenue Plans button. The button opens a popup window with a listing of all of the revenue plans related to the revenue arrangement. The button is available only after revenue recognition plans have been created.
- Kit/Package item types now include an Auto-Expansion for Revenue Management option. When this box is checked, the kit member items control the fair value, revenue allocation, and revenue plan creation. The box for the option is checked by default. When the box is cleared, the kit controls the revenue.
- Merge history and cross-referencing of merged revenue arrangements have been added. Revenue elements now include a Merge Arrangement History subtab that displays the merged to and from revenue arrangements as links. Each line in the history has a merge date and time stamp. Revenue arrangements have two new read-only check boxes: **Created from Merged Arrangements** and **Merged into New Arrangements**.
- You can now map custom fields to standard revenue fields. Among the standard fields that are available as targets for mapping are the start and end dates for the actual and forecast revenue plans.
- A new accounting preference enables you to select the default catch up period for revenue plans when a hold is removed. From the Default Catch Up Period list you can select Blank (no period specified), Current Period, or First Open Period.
- A Revenue Plan Status field has been added to revenue elements. The possible values are Not Started, In Progress, On Hold, Plan Failed, and Complete.
- The Update Revenue Arrangements and Revenue Plans page now includes date range criteria as shown in the following screenshot. By default, the Source From field is blank to include all revenue arrangements and revenue plans up to the date in the Source To field. The current date is the default for the Source To field.

Update Revenue Arrangements and Revenue Plans

Refresh Update Revenue Arrangements Update Revenue Plans

Criteria

SOURCE FROM SOURCE TO

6/6/2016

Status

DATE CREATED FROM TO

today 6/6/2016 6/6/2016

- Rev Term in Days has been added as a Rev Rec End Date Source option for revenue recognition rules. When you select Rev Term in Days, the Term in Days field is required on the revenue rule. The end date for revenue plans that use the new end date source is the Rev Rec Start Date plus the Term in Days. Term in Days has been added to the revenue element record but not to the revenue plan.
- A new Direct Revenue Posting field is provided on the item record. When you check this box, the Deferred Revenue Account field is dimmed. When checked, this field enables you to bypass the revenue management process for transactions for which immediate revenue recognition is appropriate. When a transaction includes a direct revenue posting item, it cannot include other items that participate in the revenue management process.

Forecasting Enhancements

Revenue forecasting has been enhanced as follows:

- Recalculating forecast revenue plans now processes revenue elements that do not yet have actual revenue plans. The actual plan amounts are assumed to be zero when the actual plan does not exist for the corresponding period in the forecast plan. You must select a value in the Reforecast Method field to recalculate the forecast revenue plan.
- When the Multi-Book Accounting feature is enabled, revenue recognition forecast rules are book-specific. The Rev Rec Forecast Rule field has been added to the Accounting Books section of the Revenue Recognition/Amortization subtab on the item record.
- Reforecasting now includes a manual option. When you select Manual as the Reforecast Method, a positive integer value is required for the new field Recalculation Adjustment Period Offset. Forecast plan changes resulting from reforecasting are put in the period that is start period plus the value in the new field.

Reclassification Enhancements

Reclassification enhancements include the following:

- Summarized journal entries are now supported for the three types of reclassification journal entries. Journal entries are summarized when the value of the accounting preference **Create Revenue Journals in GL** is set to **Summary**.
- You can schedule the process that creates reclassification journal entries. Previously, the process was run manually as part of the end-of-month revenue processing. It remains part of the month-end process, but now you can set it up in advance to run automatically using the Schedule Reclassification Journal Entries page. To create unscheduled reclassification journal entries, go to Schedule Reclassification Journal Entries > Run Now. This command is on the Transactions > Financial menu when you use the NetSuite Classic interface. In the Accounting Center, the path to the command is Revenue > Revenue Recognition Journal Entries.
- The Arrangement Level Unbilled Receivable Reclassification Journal accounting preference has been replaced by the Unbilled Receivable Adjustment Journal Grouping preference. The new preference enables you to select journal grouping at the Element, Arrangement, or Sub-Arrangement Group levels. The default remains element level. If you are already reclassifying unbilled receivables at the arrangement level, you cannot change to the new Sub-Arrangement Group level.
- If you choose to run the reclassification process immediately instead of scheduling it, you can see the number of revenue arrangements that will participate in the reclassification process. The Number of Transactions field is populated when you select your filter options.

Expanded Support for Other NetSuite Product Areas

Advanced revenue management has also expanded support for other features in NetSuite in 2016.2:

- Charge-based projects are now supported without attaching the project to a sales order. Support includes revenue allocation and forecasting. For more information, see [Project Revenue Recognition](#) in the Projects section of these release notes.
- Custom segments are supported.
- Elimination for intercompany deferred revenue is provided.

Journal Entry Approval Workflow

You can use SuiteFlow to create a custom journal entry approval routing workflow. You can create a custom workflow for general journal entry approval, intercompany journal entry approval, statistical journal entry approval, or a custom workflow for two or three transaction record types.

To use SuiteFlow you must enable the feature at Setup > Company > Setup Tasks > Enable Features. You must then enable the Journal Entries approval routing accounting preference at Setup > Accounting > Accounting Preferences.

If you have permission to approve journal entries, a new Reminders portlet appears on your Dashboard when you have journal entries to approve. The portlet contains the link, Journals to approve by you, and provides a count of journal entries where you are the next approver and the approval status is not approved. Clicking the link displays the Approve Journals page for your approval workflow.



Important: If the journal approval workflow does not restrict who can approve journal entries, the Reminders portlet could display a count of zero journal entries to approve when there are journal entries ready for approval. To ensure that the Reminders portlet counter matches the number of journal entries ready for approval, the user who should approve the journal must be defined as the next approver, **and** the workflow should be defined so that only the Next Approver can approve the journal.

For information about creating a custom journal entry approval workflow, see the help topic [Using SuiteFlow for Journal Entry Approvals](#).

Legal Name in Chart of Accounts

If the Use Legal Name in Account accounting preference is enabled at Setup > Accounting > Accounting Preferences, the new Legal Name field appears on the account record. You can enter up to 400 characters in this field including special characters such as colon (:) and semicolon (;). You can also enter characters such as É,Ç,ç, and 2 byte characters such as #####.

This field is useful in countries where the legal name of an entity is required by law.

The Legal Name field can be added to financial reports where account is an available component. It is also available in advanced searches, SuiteScript, and ODBC. System notes maintains an audit trail specific to the activity on the Legal Name field.

Change to Accounting Periods Feature in Accounts That Are Not OneWorld

In 2016.2, if you do not have a NetSuite OneWorld account, you cannot disable the Accounting Periods feature when an accounting period exists in your system. Now, to disable the Accounting Periods feature you must first delete all existing accounting periods.

Allocation Schedule Enhancement

Prior to 2016.2, when you created a dynamic allocation schedule for a statistical account, you could define the —Auto Populate— mask for two of the four classifications on each account destination line. The classifications to which you could define the —Auto Populate— mask included custom segment, department, location, and class. In addition, because dynamic allocation is specific to statistical account, the —Auto Populate— mask was not available for fixed allocation schedules.

The —Auto Populate— mask enables NetSuite to search all existing values at the time the allocation journal is generated, and complete the selected fields according to the gathered information. Auto completion is useful because you are not required to enter fixed values.

In 2016.2, the —Auto Populate— mask is available for both fixed and dynamic allocation schedules. You can define the —Auto Populate— mask for four of the five classifications on each account

destination line. The classifications to which you can define the —Auto Populate— mask now include name, custom segment, department, location, and class. For more information about expense allocation schedules, see the help topic [Creating Expense Allocation Schedules](#).

Administration

NetSuite 2016.2 includes the following enhancements to Administration features:

- [Several Administrative Permissions Separated from Administrator Role](#)
- [New Permissions for CSV Import and Web Services Preferences](#)
- [New Permissions for Web Services Searches](#)
- [Sandbox Refresh Enhancements](#)
- [New URL for Accessing Release Preview](#)
- [New Trusted Devices and Configuration Options for Two-Factor Authentication](#)
- [Voice Option Now Available for SMS Two-Factor Authentication](#)
- [Security Improvements for Inbound Single Sign-on](#)
- [New Notifications for Password Expiration and Password Change](#)
- [Enhancement to the Account Mobility Tasks Page](#)
- [Global Distribution Network Enhancements for Faster Content Delivery](#)

Several Administrative Permissions Separated from Administrator Role

Several permissions that formerly were part of the Administrator role, and were not available to be assigned to users with other roles, are being made available as new permissions as of 2016.2. These new permissions can be assigned to users other than account administrators. With these new permissions, you can limit the number of account administrators while assigning these administrative tasks to other users.

The newly available Setup permissions are:

- [Enable Features](#)
- [Set Up Company](#)
- [View Billing Information](#)
- [View Web Services Logs](#)
- [Integration Application](#)

These new permissions can be found on the role record's [Permissions > Setup](#) tab.

New Permissions for CSV Import and Web Services Preferences

Two new permissions have been added to the Role page on the [Permissions > Setup](#) subtab: [Control SuiteScript and Workflow Triggers per CSV Import](#) and [Control SuiteScript and Workflow Triggers in Web Services Request](#). For details, see [Change to CSV Preference for Script and Workflow Execution](#) and [Ability to Control Scripts and Workflows per Request](#).

New Permissions for Web Services Searches

Permissions have been added that provide access to web services searches in the UI. For details, see [Permissions for Accessing Web Services Log Details Searches](#) and [Searching for Web Services Log Information](#).

Sandbox Refresh Enhancements

This feature improves the accuracy of the estimated time to complete a sandbox refresh. The value you see in the **Estimated Refresh Time** field on the Sandbox Accounts page is now a more reliable predictor of how long it will take for a sandbox refresh to complete.

In addition, this feature adds a **Delayed** status to the Sandbox Accounts page. This new status lets you know when the refresh progress has stalled. If a sandbox refresh status is changed to **Delayed**, the **Estimated Refresh Time** field is blank. When the refresh resumes, the estimated refresh time is recalculated, and the new value is displayed in the **Estimated Refresh Time** field.

There are occasions when the improved prediction process initially assigns a **Delayed** status to a refresh. If a sandbox is set to **Delayed** status before entering **Refresh in Progress**, access to the existing sandbox is maintained until the status changes to **Refresh in Progress**. If your refresh request is in **Delayed** status, an Administrator can check the Sandbox Accounts page to verify whether your existing sandbox is still online and accessible.

New URL for Accessing Release Preview

For customers with production accounts hosted in North American data centers, the URL for accessing Release Preview has changed. To access your 2016.2 Release Preview environment, go to <https://system.beta.netsuite.com>. In previous releases, the URL included .na1.

Refer to your Release Preview notifications for information on when your Release Preview environment will become available. You can also find this information in your New Release portlet. For more information, see *Accessing the Release Preview Environment*.




Important: Customers with production accounts hosted in the European Union will not use this new Release Preview URL. Customers with accounts hosted in the EU will be notified with special instructions for accessing their Release Preview environments.

New Trusted Devices and Configuration Options for Two-Factor Authentication

NetSuite 2016.2 enhances Two-Factor Authentication (2FA) account access to improve usability and at the same time maintain security. Users can now mark a device or browser as trusted on the Two-Factor Authentication page by checking the **Trust This Device** box. Users can change the trusted status of a device on the new Manage Trusted Devices page. There is a link to this new page in the Settings portlet on the Home page. See the help topic [Users and Trusted Devices for Two-Factor Authentication](#) for more information.

With the new **Duration** column on the Two-Factor Authentication Roles page, administrators can specify the length of time that devices can be trusted. This setting controls how often users are prompted with a 2FA challenge. The default is per session, or administrators can choose values from 1-30 days. See the help topic [Designating Two-Factor Authentication Roles](#).

Voice Option Now Available for SMS Two-Factor Authentication

 **Important:** This feature is targeted for release in September 2016.

Delivery of SMS messages by cellular networks may not always be dependable. In areas where there are issues with SMS delivery, voice calls may be a more reliable solution. Some users may prefer the ability to receive a one-time password (OTP) by voice message rather than by SMS. NetSuite users of 2FA by SMS now have a choice in how OTP messages are delivered.

The Set Up 2FA Phone number page enables users to select voice messages either as their default or backup method for delivering an OTP for 2FA access. Existing users who want to specify the voice option as their default delivery method must reset their 2FA phone number to select this option. For more information, see the help topic [Setting Up Your Phone Number in NetSuite](#).

Security Improvements for Inbound Single Sign-on

The following changes will provide enhanced security for connections to NetSuite that use Inbound Single Sign-on (SSO).

- Inbound SSO login with Customer Center roles will be segregated from Inbound SSO login with non-Customer Center roles. Customer Center roles and non-Customer Center roles will require separate SSO mappings.
- Inbound SSO login will be segregated by company account. Users will be limited to Inbound SSO login to the same company account in which the Inbound SSO mapping was originally created.

These changes are targeted for implementation on July 22, 2016 in all legacy sandbox and Release Preview environments (system.sandbox.netsuite.com and system.beta.netsuite.com).


These changes are targeted for implementation in September, 2016 in all other environments (system.netsuite.com, system.na1.netsuite.com, system.na2.netsuite.com, system.eu1.netsuite.com, system.eu2.netsuite.com).

For information about Inbound SSO mapping, see the help topic [Mapping Users and Roles for Inbound Single Sign-on Access to NetSuite](#).

Administrators are required to use the SuiteTalk (web services) operation `mapSso` to create the user mappings for Inbound SSO access to web stores. For information, see the help topic [mapSso](#).

For more details about the Inbound SSO feature, see the help topic [Inbound Single Sign-on](#).

New Notifications for Password Expiration and Password Change

 **Important:** This feature is targeted for release in September 2016.

As of 2016.2, NetSuite provides advance notice of the date that your NetSuite password will expire, eliminating uncertainty and the problems of having to change your password at an inconvenient time. Now all users, other than Customer Center users, receive a notification that their password is about to expire. The first notice is sent 14 days before the password expiration date. As soon as you update your NetSuite password, the notices stop. If the password has not been changed, the next notice arrives

seven days before the password expires. If necessary, an additional notice is sent each day for the three days before the password expires.

In addition, all users, other than Customer Center users, now receive a notification email when the password associated with their email address is changed. This notification enables you to be more aware and proactive in cases where there is a fraudulent attempt to change your password.

Enhancement to the Account Mobility Tasks Page

A new task listed on the Account Mobility Tasks page helps ensure that the scripts used to post data to CRM forms will continue to work correctly after your account is moved to a different data center. This task helps you pinpoint scripts that are using only a POST method to gather data for forms such as case, lead, and custom record forms. The technique of using only a POST method is called screen scraping. This technique is not a best practice for gathering information.

For the data to persist and to be properly posted to a form, a GET method must be called before a POST method. Scripts should use the `nlapiCreateRecord` function to create records and populate them with data. For more information, see the help topic [Modify Scripts that Post Directly to CRM Forms](#).

Global Distribution Network Enhancements for Faster Content Delivery

NetSuite is improving user experience and enhancing our global distribution network by incorporating Content Delivery Networks, or CDNs. The presence of CDNs means faster page load times, especially for users located far from a data center. After a rigorous selection process, NetSuite has chosen industry-leading CDN vendors to help us securely and quickly deliver content to our customers.

To help you prepare for this change, we are targeting the deployment of CDNs in sandbox environments for the third quarter of 2016. After allowing sufficient time for our customers to test in their sandbox environments, CDNs will be deployed to production environments one data center at a time. More information detailing the rollout schedule will be provided to affected customers.

After this change takes effect, you will notice a change to the range of IP addresses that correspond to a *.netsuite.com URL, such as system.netsuite.com. Due to our partnership with CDN providers, we cannot predict the IP addresses that will be used to serve *.netsuite.com requests. If you are programming a firewall to accept inbound requests from NetSuite, please accept inbound requests from all *.netsuite.com sources. For a comprehensive list of netsuite.com URLs, see the help topic [Understanding NetSuite URLs and Data Centers](#).



Note: Follow best practices for IP addresses: never hard-code an IP address in your system. NetSuite IP addresses are subject to change at any time and without notice. As documented in [Understanding NetSuite IP Addresses](#), NetSuite does not support using IP addresses to access or manage access to any NetSuite service.

Banking

NetSuite 2016.2 includes the following enhancement to banking features:

- [Change to Approval Method for Journal Entries Created from Online Bank Statements](#)
- [Change to Adding and Removing Payment Items to and from a Deposit](#)
- [Enhanced Reconciliation Detail Report](#)

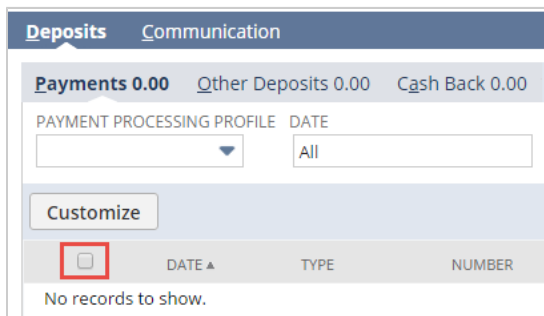
Change to Approval Method for Journal Entries Created from Online Bank Statements

NetSuite 2016.2 changes the method for approving journal entries that are created from entering new transactions while matching your online bank statement. Now, all journal entries created from the **New Charges** or **New Deposits** subtab are automatically approved at creation. For details, see the help topic [Entering Transactions While Matching a Bank Statement](#).

If you do not want journal entries to be automatically approved at creation, you can use a manual approval process. This process requires you to enter the journal entries on the Journal page (Transactions > Financial > Make Journal Entries). With this process, after you approve the journals you have entered, they are available for either matching transactions or reconciliation. You match transactions on the Find Matching Transactions page (Transactions > Bank > Online Banking Statement > Find Deposit or Find Charge links). You reconcile transactions on the Reconcile Bank Statement page (Transactions > Bank > Reconcile Bank Statement).

Change to Adding and Removing Payment Items to and from a Deposit

NetSuite 2016.2 changes the method by which you add all payment items to and remove selected payment items from a deposit. Prior to this release, to add all payment items to a deposit you clicked the Mark All button. To remove the selected payment items from a deposit you clicked the Unmark All button. Now, you check the box beneath the Customize button to add all payment items to a deposit. You clear the box to remove the selected items from a deposit.



The screenshot shows the 'Deposits' subtab in the NetSuite interface. It includes a 'Communication' section with tabs for 'Payments 0.00', 'Other Deposits 0.00', and 'Cash Back 0.00'. Below these are fields for 'PAYMENT PROCESSING PROFILE' and 'DATE' (set to 'All'). A 'Customize' button is visible. Below the button is a red-bordered checkbox, which is currently checked. To the right of the checkbox are column headers: 'DATE', 'TYPE', and 'NUMBER'. At the bottom, it says 'No records to show.'

Enhanced Reconciliation Detail Report

The Reconciliation Detail Report has been enhanced to permit you to customize the columns that appear in printed format. Removing columns is useful if your page orientation preference displays the report in a crowded format. For more information about the report, see the help topic [Reconciliation Detail Report](#).

Customer Relationship Management (CRM)

NetSuite 2016.2 includes the following enhancements to CRM features:

- Spam Protection for Support Case Email Messages
- Deprecation of CRMSDK Functions

- Automatic Conversion of CRMSDK Email Templates
- File Cabinet Folder Renamed
- NetSuite for Outlook Enhancements

Spam Protection for Support Case Email Messages

NetSuite 2016.2 introduces a SpamLock preference on support case email addresses. When enabled, messages sent using the support case reply-to email address are accepted only if they are sent from an email address entered for an employee, contact, or company record or on a case profile in NetSuite. Replies sent from an unrecognized source are discarded. The preference is applied to individual cases. Any user who can edit case records can click the Enable Spamlock button on an existing case record to enable this preference. Spamlock is turned off by default.

See the help topic [Applying Spam Lock to Incoming Email Messages Using the Case Reply To Address](#)

Deprecation of CRMSDK Functions

As previously communicated, from 2016.2 the CRMSDK functions `nlapiMergeEmail` and `nlapiMergeRecord` will no longer work when used with CRMSDK Email, Marketing, and Fax templates. To preserve the intended results of your scripts, replace these functions with the `nlapiCreateEmailMerger` scriptable function.

Letter, PDF, and Online Case forms remain unaffected by this release. If you require assistance or more information, please contact NetSuite Customer Support, or consult the `nlapiCreateEmailMerger` page in the Help Center.

Automatic Conversion of CRMSDK Email Templates

From 2016.2, CRMSDK email templates will automatically be converted to the new scriptable format. The internal ID from the CRMSDK template will be retained after conversion. To assist administrators in determining which templates have been converted, a search filter (Auto converted) has been added to campaign template saved searches.

In some cases, automatic conversion of CRMSDK email templates may not be possible. The most probable cause is the converted Subject field is too long — some CRMSDK tags translate to relatively long freemarker code during conversion. Administrators are advised to remove any CRMSDK tags from the subject field and manually convert the template.

File Cabinet Folder Renamed

The Attachments to Send folder in the file cabinet has been renamed Attachments Sent. This standard folder is used to store files that are attached to email sent through NetSuite.

Employee Management

NetSuite 2016.2 includes the following enhancements to employee management features:

- Weekly Timesheets
- Time Tracking Enhancements

- Time Approval Enhancements
- Time Threshold Improvements

Weekly Timesheets

The new Weekly Timesheets feature works in conjunction with the existing Time Tracking feature to offer a customizable method of capturing time entries in a weekly format. Previously, the weekly time sheet option for time tracking did not offer any customization or scripting options. The former time sheet was a page within the NetSuite user interface that compiled the individual time entry records and displayed them on a single page.

This new weekly timesheet enables scripting, customization, workflows, and web services integration.

Note: Although scripting is available on the entire weekly timesheet, NetSuite recommends you postpone creating any scripts for the list of time entries at this time. Future releases will include enhancements to the line-item list that will require updates to any scripting created now.

The weekly timesheet also includes a Remove button to permit removing individual time entries directly from the timesheet. With the appropriate approval permissions, the weekly timesheet includes Approve and Reject buttons on the timesheet record.

Note: The former weekly time sheet has been renamed Weekly Time Tracking and is still available when the Weekly Timesheets feature is not enabled.

The Time Tracking feature is a prerequisite for using the new Weekly Timesheets feature. For more information, see the help topic [Enabling Weekly Timesheets](#).

Time Tracking Enhancements

In NetSuite 2016.2, several improvements have been made to enhance time tracking capabilities. Time entry records now include system notes, providing an audit trail of changes made to individual records. A new list page is available for time entry records. Depending on your permissions, you can view a list of time entries for yourself and your subordinates with filtering, search, and sorting capabilities.


For both weekly time tracking and weekly timesheets, you can now import planned time entries from projects directly into the weekly grid. Click Import Planned Time at the top of the page to copy planned time entries for the currently displayed week and employee. All planned time entries for that week are copied to create new rows. Planned time entries can be deleted from the timesheet by removing the individual rows. After planned time is imported, you must refresh the page to be able to import any additional planned time entries.

When using advanced approvals and a non-Employee Center role, you can now submit time entries directly from the Weekly Time Tracking page. Previously, the Submit button was not available, which required time entries to be individually edited to change the approval status.

Time Approval Enhancements

When using standard approval routing and weekly timesheets, the Approve Time page at Transactions > Employees > Approve Time can now list weekly timesheets for bulk time entry approval. With Weekly Timesheets, you can approve entire timesheets from a single page in NetSuite. Timesheets appear on the page when at least one time entry is ready to approve. You can view the individual time entries ready for approval on a single timesheet by clicking the total hours in the Approvable Hours column.

Alternatively, to switch to an individual time entry view for all timesheets, click **Switch to Time Entry** view at the top of the page. The number of entries listed on the **Approve Time** page is now determined by the global preference for **Number of Rows in List Segments at Home > Set Preferences**.

 **Note:** You may notice a delay in performance when approving long lists of timesheets.

In 2016.2, the **Weekly Time Tracking** page now includes a status legend above the entry grid. This legend supports both standard and advanced approvals.

Time Threshold Improvements

Daily time threshold preferences have been improved to account for holidays and non-working days. When a time threshold is set for a daily limit and an employee has a work calendar selected on their employee record, NetSuite uses the employee's calendar to determine working days. NetSuite does not verify non-working days, holidays, or entries on a timesheet that have not yet been filled.

For employees without a selected work calendar, time thresholds use the system default work calendar to determine holidays and non-working days. Zero time entries are considered filled entries and are verified according to set limits. Regardless of work calendars, employees can still track time on non-working days and holidays and time threshold limits are applied accordingly. For more information on time thresholds, see the help topic [Time Thresholds](#).

Order Management

NetSuite 2016.2 includes the following enhancements to order management features:

- [Fulfillment Requests](#)
- [Location Record Enhancements](#)
- [New Advanced Order Management Setup Page](#)
- [New Fulfillment Workload Distribution Rule](#)
- [Rerun Automatic Location Assignment](#)
- [Void Payment Authorizations](#)
- [The Bill Sales Orders Menu Options is Renamed to Invoice Sales Orders](#)
- [Changes to How Charges Are Added to Some Transactions](#)
- [Customer Hierarchy Size Limit](#)
- [Support for FedEx Services](#)
- [Support for ZPL Label Printing Format](#)
- [Google Checkout Legacy Fields Removed](#)
- [Online Bill Pay with Metavante Phased Out](#)
- [Preview Payment Processing Profiles for Websites and Subsidiaries](#)
- [Updated Payment-Processing Field Labels](#)
- [Software Vertical Contract Renewals Enhancements](#)
- [Automatic Chargeback Workflow Processing](#)
- [Electronic Payments Enhancements](#)
- [Grid Order Management Enhancement](#)
- [Recurring Billing Enhancements](#)

- [Enhancement to Mexico Compliance](#)
- [Dunning Enhancements](#)

Fulfillment Requests

The fulfillment request transaction is a new feature in 2016.2. In the order fulfillment workflow, it is an intermediary step between a sales order and an item fulfillment, which enables employees at fulfillment locations to manage a request to fulfill an order. Fulfillment requests are ideally suited when you want to implement a ship from store fulfillment workflow. Employees at the stores can quickly accept or reject the fulfillment request depending on workload, inventory levels, or other in-store conditions. See the help topic [Working with Fulfillment Requests](#) for more information.

To use fulfillment requests, you must enable the Fulfillment Request feature. Go to Setup > Company > Setup Tasks > Enable Features. On the Transactions subtab, under Shipping and Receiving, check the Fulfillment Request box, and click Save.

As part of the automation capabilities in order management, you can configure NetSuite to create fulfillment requests automatically from a sales order. Fulfillment requests can be created only when a location has been set at line item level in the sales order. Additionally, the sales order must be approved. When used with the Automatic Location Assignment feature, NetSuite can automatically assign a store as the fulfillment location for an order and then create a fulfillment request. The fulfillment request is created immediately, or after a predefined interval. Rejecting lines in a fulfillment request with automatic location assignment enabled prevents NetSuite from creating further fulfillment requests for the location with the rejected line items.

Automatic Creation of Fulfillment Requests

In 2016.2, you can choose to automate the creation of fulfillment requests after a sales order is approved, a payment hold is released, or both. Depending on your sales and fulfillment processes, you can specify a wait period between the creation of the sales order and the creation of the fulfillment request. Specifying a wait period gives your customers an opportunity to change their orders before orders enter the fulfillment workflow.

If you use the Automatic Location Assignment feature, an additional option is available to run automatic location assignment at the end of the wait period. Rerunning automatic location assignment ensures the latest inventory levels are taken into account before NetSuite assigns fulfillment locations. After the automatic location assignment process runs, the fulfillment requests process runs immediately afterwards.

Rejecting Fulfillment Requests

An advantage to using fulfillment requests is the ability to reject one or more unpicked line items. Rejecting unpicked line items lets employees prevent NetSuite from automatically assigning further orders with the rejected line items to their location. For example, if employees discover an item has no inventory due to breakage, they can reject the line items. Then, if automatic location assignment is running, NetSuite can reassign a different location to ensure the order is fulfilled.

Fulfillment Requests and Automatic Location Assignment

When you run the automatic location assignment and fulfillment request creation processes together, rejecting lines in a fulfillment request changes how automatic location assignment works. The rejected line items are set as suspended in the item record for the location that rejected the item. The location

will no longer receive fulfillment requests containing the rejected line items. Other locations can still receive fulfillment requests containing the rejected line items. When inventory discrepancies are resolved at the affected location, NetSuite resumes assigning the location automatically in sales orders.

Additionally, when you run both processes together, you can create an automatic location assignment rule with the fulfillment strategy set to fulfillment workload distribution. This strategy enables NetSuite to calculate the capacity at fulfillment locations according to the number of open fulfillment requests and distribute orders evenly between locations.

Location Record Enhancements

Enhancements have been made on the location record to enable the Automatic Location Assignment feature to assign locations more accurately. The Latitude and Longitude fields are now generally available and no longer depend on the Automation Location Assignment feature. Additionally, the Fulfillment subtab (which only appears when you enable the Automatic Location Assignment feature) has been renamed. It is now named Automatic Location Assignment.

Location Buffer Stock

The new Buffer Stock field on the location record enables you to maintain sufficient inventory at locations when automatic location assignment runs. Before assigning a location to a sales order line, NetSuite checks the buffer stock and current item quantity at each location. If the current item quantity is below the buffer stock, NetSuite does not assign the sales order line to the location. The buffer stock applies to all items at the location. It helps to ensure that there is sufficient stock available at retail locations for walk-in customers.

Location Shipping Capacity

The location record has two new fields: Daily Shipping Capacity and Total Shipping Capacity. You use these fields to specify the number of orders that can be shipped from a location, usually a store.

Daily shipping capacity refers to the maximum number of orders that can be allocated to a location in one day.

Total shipping capacity represents the total number of orders that can be pending fulfillment at a location. Orders can accumulate at a location over several days until the total shipping capacity is reached. Defining a total shipping capacity limits the backlog of orders at the location and ensures the location is able to fulfill the orders.

These fields are available only when both the Automatic Location Assignment and Fulfillment Request features are enabled.

New Advanced Order Management Setup Page

All settings related to Advanced Order Management have been unified on a single setup page. You can view the page by going to Setup > Order Management > Setup Tasks > Advanced Order Management. Previously, when the Automatic Location Assignment feature was enabled, the setup page was located at Setup > Order Management > Setup Tasks > Automatic Location Assignment. There was no setup page for fulfillment requests because the Fulfillment Request feature is new in 2016.2. The page is organized in three subtabs:

- Automation – You can manage the automation processes you want to run. For each automation process, you can select the events that trigger the process. For example, you can set the automatic

location assignment process to run when a sales order is approved, an item fulfillment is changed, and so on.

- Automatic Location Assignment – Choose the active configuration for automatic location assignment.
- Fulfillment Requests – Limit usage of fulfillment requests to specific location types. For example, you might want to use fulfillment requests for stores only.

New Fulfillment Workload Distribution Rule

An additional fulfillment strategy is now available for automatic location assignment rules: fulfillment workload distribution.

You can implement this strategy to balance orders evenly between retail locations based on the shipping capacity of each location. By using this strategy in automatic location assignment rules, you can use your existing retail infrastructure as fulfillment locations. You can offer shorter delivery times to customers if the stores are closer to the customer address, and utilize store inventory if items are out of stock at warehouses. You can also specify different shipping capacities for each fulfillment location.

When evaluating this rule, NetSuite checks both the total shipping capacity and the daily shipping capacity at each location. The total shipping capacity represents the total number of orders that can be pending fulfillment at a location. Orders can accumulate at a location over several days until the total shipping capacity is reached. The daily shipping capacity is the maximum number of orders that can be allocated to a location in one day. To distribute orders evenly between locations, NetSuite calculates the available capacity at each location. Available capacity is measured by the ratio of daily shipping orders to orders pending fulfillment. The location that currently has the most capacity is assigned the order, provided that the total shipping capacity has not been reached. NetSuite recalculates the available capacity at each location every time it evaluates the rule. See the help topic [Location Assignment Strategies](#) for more information.

The fulfillment workload distribution strategy is only available when the Fulfillment Request feature is enabled.

Rerun Automatic Location Assignment

In 2016.2, you can now configure the Automatic Location Assignment feature to run again when changes occur in your fulfillment process. Previously, automatic location assignment assigned locations to sales order lines when a sales order was approved or a payment hold was released. Now, you can configure the automatic location assignment engine to run when any of the following events occur in a sales order:

- When a line item in a sales order has changed.
- When the item fulfillment has changed.
- When a fulfillment request has been rejected. (This is only available if you use the new Fulfillment Request feature.)

Void Payment Authorizations

NetSuite 2016.2 enables you to void authorizations you initiated to block shoppers' funds. For example, your customer might request to cancel a sales order and create a new order.

Prior to NetSuite 2016.2, you had to void the authorization directly in your payment gateway account. Voiding the order in NetSuite did not remove the hold placed on the shopper's funds.

To void an order authorization on a sales order, click Close Order. You can also click Cancel Order when the sales order has the Pending Approval status.

Voiding payment authorizations is available only for CyberSource and Merchant e-Solutions payment processors.

To verify the void status on a sales order, click the Billing subtab, and then view the payment events under the Payment subtab.

The Bill Sales Orders Menu Options is Renamed to Invoice Sales Orders

The menu option for bill sales orders (Transactions > Sales Bill Sales Orders) has been renamed to invoice sales orders (Sales > Transactions > Invoice Sales Orders). This rename was introduced to be consistent with other areas of NetSuite where invoice is used as opposed to bill.

Changes to How Charges Are Added to Some Transactions

With NetSuite 2016.2, a new As-of Date field appears on invoice, cash sale, and credit memo transactions when the Charge-Based Billing feature is enabled. The As-of Date field determines the list of charges added to the transaction, but it does not impact the general ledger or the invoice due date. The existing Transaction Date field continues to have general ledger impact and to drive the transaction due date.

Similarly, the **Add Charges to As-of Date** button replaces the **Add Charges to Transaction Date** button for invoices and cash sales. Be aware that there is a change in behavior when this option is enabled. Rather than automatically adding all charges to the invoice, the system adds only charges up to the transaction date.

In addition, the Add All Charges button has been removed from transactions.

Customer Hierarchy Size Limit

NetSuite now limits the maximum number of customers you can include in a customer-subcustomer hierarchy. A customer hierarchy is comprised of the top-level parent customer, all of its subcustomers, and all of their subcustomers.

For most accounts, you can now have a maximum of 10,000 customers and subcustomers in a customer hierarchy. If you have existing customer hierarchies with more than 5000 records, your limit is two times the size of your current largest hierarchy.

These new limits are in place to improve performance. If you must increase your account's limit, please contact NetSuite Customer Support.

Support for FedEx Services

The following enhancements to our FedEx Services are available in 2016.2:

- NetSuite 2016.2 adds support for FedEx Standard Overnight services in Canada.

- A Phone Number field has been added to use for Hold at FedEx locations.
- The performance of the Fedex shipping API has been improved.

Support for ZPL Label Printing Format

We have added support for the latest ZPL and ZPL2 page description language. ZPL provides up to four times faster print speeds compared to EPL when printing to thermal printers. UPS and USPS labels can now be printed in this format when the Shipping Label Integration feature is enabled. Administrators can adopt this format by selecting it from the Label dropdown list on the relevant carrier registration page. For more information see the help topic [Printing Integrated Shipping Labels With a Thermal Printer](#).

Google Checkout Legacy Fields Removed

Some read-only fields that remained after removing the Google Checkout integration in September 2013 have been removed in NetSuite 2016.2.

For a list of removed Google Checkout fields, see the help topic [Deprecated Google Checkout Fields](#).

In addition, if there are Google Checkout payment methods in the list of your payment methods, they show as inactive. Previously, those payment methods were hidden.

Online Bill Pay with Metavante Phased Out

As of release 2016.2, the Online Bill Pay feature has been discontinued and is no longer available on the Enable Features page.

NetSuite recommends that you transition to new online bill paying features provided by [Our Online Bill Pay Partners](#).

Please review the details below for information on what you must do to adjust to this change.

Action Required

If you would like to continue using the Online Bill Pay feature, you are not required to make any changes in your account. The feature continues to perform as it previously performed.

The Online Bill Pay documentation has been removed from the NetSuite Help Center, but you can access this information in [Online Bill Pay Documentation](#).

To disable the Online Bill Pay feature, an administrator must go to , click the Transactions subtab, and clear the Online Bill Pay box.

Our Online Bill Pay Partners

To use online bill paying features provided by other partners, NetSuite recommends installing one of the following SuiteApps that are built by SDN partners:

- [Bill.com Payments for NetSuite](#)
- [Piracle Pay Services](#)
- [MineralTree Invoice-to-Pay for NetSuite](#)

These SuiteApps are approved as Built for NetSuite. For more details about transitioning to one of these partners, please contact that partner's customer service.

Preview Payment Processing Profiles for Websites and Subsidiaries

You can now preview payment processing profiles associated with each of your websites and subsidiaries. The new Payment Processing Profiles list has been added to the Setup subtab on the Web Site Setup page. In this list, you can quickly view and select payment processing profiles for your website.

For NetSuite OneWorld accounts, payment processing profiles are listed for each subsidiary on the Setup subtab of the Web Site Setup page.

Updated Payment-Processing Field Labels

The following payment-processing field labels have been updated to more accurately describe their purpose:

- [Fields Related to Purchase Card Data](#)
- [EFT Fields for NetSuite Canada](#)

Fields Related to Purchase Card Data

The term **purchase card data** is now replaced with the term **line-level data**. Line-level data means additional item details sent to the payment gateway in an authorization, capture, or sale request. Examples of these details are VAT tax rate, unit price, line-item total, and quantity.

The updated labels do not change the way these fields function. The fields function the same as they did prior to the label updates.

The updated fields are listed in the following table.

Previous Label	New Label
Process Purchase Card Data	Support Line-Level Data
Process As Purchase Card	Send Line-Level Data

Also, the Requires Line-Level Data box now appears on the Payment Method page. You must check this box to use alternative payment methods that require sending line-level data and are integrated by NetSuite partners.

EFT Fields for NetSuite Canada

With NetSuite 2016.2, the Transit Number and Bank Number field labels have been repositioned to more accurately describe their purpose. The following table shows the new labels.

Field ID	Previous Label	New Label
idnumber	Bank Number	Transit Number

Field ID	Previous Label	New Label
banknumber	Transit Number	Bank Number

The figure below shows the new UI.

The internal IDs and lengths of those fields remain the same. The updated labels do not change the way these fields function.

You can find those fields on the following records:

- Employee record - on the ACH/Direct Deposit subtab.
- Vendor record - on the ACH subtab.
- Customer record - on the Electronic Funds Transfer subtab.

No action is required from you. Your SuiteScripts and customizations continue working as they have previously.

Items and Inventory Management

NetSuite 2016.2 includes the following enhancements to items and inventory management features:

- Bin Management By Location
- Commit Orders Scheduling
- Replenish Location by Transfer Order
- Withdraw by Transfer Order
- Phantom BOM
- Transfer Order Enhancements
- Item Ordering Enhancements
- In-Process Work Order and Assembly Build Editing
- Matrix Items Name Template
- Update Matrix Options on Existing Matrix Items
- Custom Inventory Item Search Fields
- Changes to Routing Steps in 2016.2
- Advanced Manufacturing Enhancements

Bin Management By Location



Important: This feature is targeted to be available in late August 2016.

In NetSuite 2016.2, you can use the existing Advanced Bin Management feature on a per-location basis. Previously, if you used the Advanced Bin / Number Inventory Management feature, bins were enabled for every location. In addition, all locations had to use the associated Advanced Bin Management functionality or no locations could use it.

With 2016.2, you can now set warehouse and store locations to use bins to track inventory and choose not to use the Advanced Bin Management functionality at your head office location.

To use bins by location, you must have the Advanced Bin / Numbered Inventory Management and Multi-Location Inventory features enabled in your account. When these features are enabled, a Use Bins box appears on location records and a Location field appears on bin records.

Note: The Basic Bin Management feature remains unchanged. It must be enabled or disabled for all locations.

Commit Orders Scheduling

In NetSuite 2016.2, you can now schedule items to be automatically committed to specific orders at a defined interval. The new Commit Order Schedule page enables you to define when an automated commitment task runs and for which orders. Set the recurrence frequency and starting date and time for the tasks and then reference a saved search that defines the orders that should have items committed to them. For example, you create a saved search that defines all sales orders entered for a particular location. Then, you create an order commitment schedule to run one time every two weeks with a specified start date. NetSuite automatically commits items to those orders at the specified two-week interval.

Note: To use the new Commit Orders Scheduling enhancement, the Perform Item Commitment After Transaction Entry preference must be disabled.

You can still commit items manually using the Commit Orders page. For more information on committing items manually and automatically, see the help topic [Commit Orders](#).

Replenish Location by Transfer Order

In NetSuite 2016.2, you can create transfer orders to distribute inventory across locations and allocate the right quantity for each retail store at the right time. This new capability enables distribution managers to review inventory across multiple locations and create transfer orders from one location to any locations where shortages are found.

Previously, using the Replenish Location page was the only way to replenish inventory based on the set reorder point. Now, two pages are available:

- Replenish Location by Inventory Transfer – Create an inventory transfer based on the set reorder point
- Replenish Location by Transfer Order – Create a transfer order based on the set reorder point

For more information on the difference between an inventory transfer and a transfer order, read the help topic [Transferring Inventory](#).

Note: The Replenish Location page has been renamed Replenish Location by Inventory Transfer.

Merchandise planners can increase efficiency by reviewing current inventory levels at each location, then moving merchandise where you need it most. For example, during peak season for an item, you can transfer inventory out of warehouses and into retail locations to have stock where it is needed.

Replenishing a location by transfer order enables you to quickly create a large number of transfer orders to distribute goods out of a source warehouse into multiple stores or warehouses.

In NetSuite OneWorld, intercompany transfer orders are supported, so you can replenish a location by transfer order when there is a need for transfers across subsidiaries.

To use the Replenish Location by Transfer Order page, you must have these features enabled in your account:

- Multi-Location Inventory
- Advanced Inventory Management

The Replenish Location by Transfer Order page is also available if you have the Distribution Resource Planning feature enabled.

You must first setup reorder points and a preferred stock level for items that will need replenishment. Set up items at Lists > Accounting > Items. Read more details in [Entering Purchasing/Inventory Information on Items](#).

To Replenish Location by Transfer Order, go to Transactions > Inventory > Replenish Location by Transfer Order.

Withdraw by Transfer Order

In NetSuite 2016.2, use the new Withdraw by Transfer Order form to withdraw inventory out of one or more locations and transfer it to another location. For example, keeping an item stocked at a retail location has a high holding cost compared to storing the item in a warehouse. At the end of the season to sell swimsuits, a retailer can withdraw swimsuit stock from the retail location to store them in a centralized warehouse, freeing up shelf space for product more appropriate to the season.

Your merchandise planners can assess slow moving inventory and use the Transfer Order Withdrawal to optimize inventory distribution over locations.

To use a Transfer Order Withdrawal, go to Transactions > Inventory > Withdraw Transfer Order.

Phantom BOM

In NetSuite 2016.2, users can now mark individual sub-assemblies in a BOM (bill of materials) as phantom assemblies. A phantom assembly is typically a non-stocked assembly that conveniently groups together material needed to produce a subassembly. For example, a specific type of wheel used on a mountain bike can be marked as a phantom as part of a build to order specification. The Phantom BOM option enables you to define the item source for the subassembly on a line-by-line basis. This means you can specify the subassembly to be phantom in one BOM but have it as a regular stock item in another. Previously, it was possible to only assign phantom items across all bills of material.

Additionally, when there is a manufacturing change to a component, it must be applied only to the BOM of the phantom item. Changes are automatically re-flowed to all related BOMs, which saves significant time and effort for material or manufacturing engineers.

Phantom BOM is available on both assembly and work orders, when the Assembly Items feature is enabled. To mark a sub-assembly as a phantom, check the Mark Sub-Assemblies Phantom box on the record. The Mark Sub-Assemblies Phantom box replaces the existing Build Sub-Assemblies preference.

Transfer Order Enhancements

When using transfer orders with the Multi-Location Inventory feature, you can choose to enable the Use Item Cost as Transfer Cost preference. Now, in NetSuite 2016.2, when this preference is enabled,

you can enter partial fulfillments and receipts for transfer orders and track item costs throughout the transfer process.

Previously, when the Use Item Cost as Transfer Cost preference was enabled, you were required to enter the same quantity at each step for entering items, fulfilling, and receiving the transfer order. For example, if you entered a transfer order for ten widgets, you could not enter a partial fulfillment against the transfer order for only five widgets or an item receipt for only three widgets.

Now, using NetSuite 2016.2, when the Use Item Cost as Transfer Cost preference is enabled, you can enter partial fulfillments and receipts for transfer orders. Costs can be tracked accurately for items when partial quantities are entered because when you receive the transferred items, you are required to match the receipt to the corresponding fulfillment.

For example:

The item Deluxe Widget has a cost of \$5.

You enter a transfer order for a quantity of 10 widgets.

Then, you enter item fulfillments against the transfer order as shown below:


- Item Fulfillment #1 for five widgets
- Item Fulfillment #2 for two widgets
- Item Fulfillment #3 for three widgets

Three individual fulfillments total a quantity of ten widgets fulfilled.

Next, you receive each transfer orders and match it to a fulfillment, as shown below:

- Item Receipt #1 for five widgets (matches to Item Fulfillment #1)
- Item Receipt #2 for three widgets (matches to Item Fulfillment #3)

For more details about transferring items, read the help topic [Transferring Inventory](#).

 **Note:** When the Use Item Cost as Transfer Cost preference is enabled at Setup > Accounting Preferences, you are now able to create intercompany transfer orders. For costing calculations, an intercompany transfer order uses the transfer cost instead of the item cost. Previously, you were not able to create intercompany transfer orders when the preference was enabled.

Item Ordering Enhancements

NetSuite 2016.2 is updated for easier management of item orders when you use the Inventory feature and Work Orders feature.

- [Order Items Page](#)
- [Mass Create Work Orders Page](#)

Order Items Page

Previously, the Planned Items subtab on the Order Items page included time-phased items and reorder point items. Now, time-phased items and reorder point items each have individual subtabs. Blanket purchase order items remain on their own subtab.

Previously:

Order Items

Submit Reset

LOCATION *

ORDER START DATE
5/23/2016

ORDER END DATE
6/22/2016

VENDOR *
- All -

☒ INCLUDE ITEMS WITH NO PREFERRED VENDOR
☒ INCLUDE ITEMS WHERE VENDOR IS NOT PREFERRED

PARENT ITEM

MINIMUM QUANTITY

Planned Items Blanket PO Items

REPLENISHMENT METHOD
- All -

FILTERS

DEPARTMENT *
<Type then tab>

PREFERRED VENDOR *
<Type then tab>

PRICING GROUP
- All -

TYPE *
<Type then tab>

Customize

<input type="checkbox"/>	ORDER DATE	RECEIPT DATE	REPLENISHMENT METHOD *	DEPARTMENT	CLASS	ITEM	DESCRIPTION	VENDOR	CURRENCY	PURCHASE CONTRACT	UNITS
No records to show.											

Submit Reset

In 2016.2:

Order Items

Submit Reset

LOCATION
- All -

VENDOR
- All -

☒ INCLUDE ITEMS WITH NO PREFERRED VENDOR
☒ INCLUDE ITEMS WHERE VENDOR IS NOT PREFERRED

PARENT ITEM

MINIMUM QUANTITY

☐ TO BE PRINTED
☐ TO BE EMAILED
☐ TO BE FAXED

Time Phased Items Reorder Point Items Blanket PO Items

ORDER START DATE
5/31/2016

ORDER END DATE
6/30/2016

Customize

<input type="checkbox"/>	ORDER DATE	RECEIPT DATE	LOCATION	DEPARTMENT	CLASS	ITEM *	DESCRIPTION	VENDOR	CURRENCY
<input type="checkbox"/>	5/3/2016	5/10/2016	US ONLY LOCATION			Item-Planned		<Type then tab>	AUD

Submit Reset

Note: To use these enhancements for time-phased planned items on the Order Items page, the Demand Planning feature must be enabled.

Mass Create Work Orders Page

On the Mass Create Work Orders page, the Replenishment Method field is removed and the Replenishment Method column no longer displays. Time-phased items and reorder point items are listed on new subtabs.

Previously:

Mass Create Work Orders

Submit Reset

LOCATION
- All -

DEPARTMENT
<Type then tab>

CLASS
<Type then tab>

REPLENISHMENT METHOD
- All -

CLASS *
<Type then tab>

COSTING METHOD *
<Type then tab>

LOCATION *
<Type then tab>

Mark All Unmark All Customize

ORDER	ORDER DATE	PRODUCTION END DATE *	REPLENISHMENT METHOD	LOCATION	ITEM	DESCRIPTION	AVAILABLE
No records to show.							

Submit Reset

In 2016.2:

Mass Create Work Orders

Submit Reset

LOCATION
- All -

DEPARTMENT
-

CLASS
-

PARENT ITEM
-

MINIMUM QUANTITY
-

Time Phased Items Reorder Point Items

ORDER START DATE
5/31/2016

ORDER END DATE
6/30/2016

Mark All Unmark All Customize

ORDER	ORDER DATE	PRODUCTION END DATE	LOCATION	ITEM *	DESCRIPTION	AVAILABLE	BACK ORDERED	ON ORDER	BUILD POINT
<input checked="" type="checkbox"/>	5/10/2016	5/16/2016	US ONLY LOCATION	Assy-Planned		0	0	0	

Submit Reset

In-Process Work Order and Assembly Build Editing

In NetSuite 2016.2, you can now edit component items on in-process work orders. Lines can be added, and un-issued components can be removed. Also, the quantity of existing components used can be amended, subject to the minimum requirements of the original build.

In-process editing gives greater flexibility to production planners and operators, enabling them to respond to unforeseen circumstances such as manufacturing defects.

Make Copy, Insert and Remove buttons have also been added to the Items subtab of the Work Order record.

Matrix Items Name Template

In NetSuite 2016.2, you can now manage the naming convention for newly created matrix items.

Specify the order in which matrix options appear in the item name field and apply custom separators and free text for exact formatting and specific encoding requirements. The name template is set when

creating new items using the Matrix Item Assistant (Step 3 — Choose Property Combinations) in the new Matrix Item Name Template field. By enabling users to define their own naming convention, NetSuite promotes more universal conformity across systems and easier mapping conditions when importing items from legacy systems. See the help topic [Using the Matrix Item Name Template](#)

Update Matrix Options on Existing Matrix Items

With NetSuite 2016.2, you can now add new matrix options to an existing matrix item. This capability provides greater flexibility and permits users to make changes to the item across the lifecycle of the product, rather than when it is first created. For example, a retailer adds the option of a sleeve length to an existing matrix item for a shirt, which previously included only color and size. These new options are applied to the matrix parent item with the system automatically creating a revised set of item permutations.

Custom Inventory Item Search Fields

Using NetSuite 2016.2, if you run a custom saved search that includes the fields below, they function as follows:

- `Lastmodifieddate` is updated only when you update the item record.
- `Lastquantityavailablechange` is updated when you enter or edit an inventory-affecting transaction.

Prior to version 2016.2, `Lastmodifieddate` was updated when you entered or edited an inventory-affecting transaction.

Changes to Routing Steps in 2016.2

In 2016.2, we have changed the requirements for how manufacturing routing steps are added. Now, resources used in the manufacturing work center group must have a corresponding cost category set up on the selected manufacturing cost template. For example if the work center group uses a labour resource, there must be a labour cost category selected in the cost template. Similarly, if the work center group uses machine resources, a corresponding machine cost category must be specified in the cost template. For more information, please consult the [SuiteAnswers Support Article — Changes to Routing Steps in 2016.2](#).

Mobile

NetSuite 2016.2 includes the following enhancements to NetSuite mobile products:

- [Expenses and Purchase Approvals in NetSuite for iOS and Android](#)
- [Remote Configuration Support for SuiteCommerce InStore](#)

Expenses and Purchase Approvals in NetSuite for iOS and Android

From late November 2016, NetSuite adds mobile approvals to both iOS and Android apps. Users can approve and request approvals for expense reports and purchase orders directly from within the app. A new home dashboard, **My Approvals**, provides an at-a-glance reminder of items requiring your attention. Tapping the dashboard takes you to a detail screen where items can be approved or rejected.

Multiple items can be selected at one time, making the whole process quick and convenient to manage when on the move.

Remote Configuration Support for SuiteCommerce InStore

Version 2 of NetSuite SCIS for iOS, adds the convenience of remote device configuration. Administrators can now deploy updates to the device remotely in the background, without the assistance of in-store staff. Configuration of the following new custom records enable SCIS to run on iOS devices:

- **SCIS Mobile Device** – Use this record immediately after installing the SCIS POS application on a mobile device. This custom record stores the mobile device ID and device name. It also stores the SCIS website and printer technology associated with the mobile device..
- **SCIS Domain Whitelist** – This custom record contains a list of domains that are allowed access to SCIS. This list of whitelisted domains are global to your account, regardless of location or subsidiary. The following domains are available by default and cannot be disabled. These domains are required for SCIS to function properly:
 - system.netsuite.com
 - system.na1.netsuite.com
 - system.na2.netsuite.com
 - sandbox.netsuite.com
- **SCIS Mobile Certificates** – This custom record stores the list of authorizing certificates. As certificates go out of date, you must add updated certificates to the list. If this list is different from the device when the user logs in, the application must be restarted to reload the certificates.

Configure these custom records after installing the SCIS POS application. For more information, read the help topic [Installing the SCIS for iOS Application](#).

Version 2 of NetSuite SCIS for iOS also includes the following capabilities:

- Native support for printing from your iPad to Epson and STAR receipt printers. Version 2 of the SCIS POS application is designed to remember last printer used, so there is no need to select a printer after each transaction. For more information, see the help topic [Setting Up Receipt Printers for SCIS](#).
- Support for pairing your iPad with a bluetooth-enabled barcode scanner. [Setting Up Barcode Scanners for SCIS](#).
- Native support for cash drawers connected to Epson and STAR printers. [Cash Drawers](#).

For more information about SCIS, read [SuiteCommerce InStore](#).

SuiteCommerce InStore for Windows

With this release, we introduce the first version of SCIS for Windows. Running on a Windows 10 platform, SCIS for Windows brings the same dynamic features found in SCIS for iOS to Windows-driven retail environments. For more information, read the help topic [Installing the SCIS for Windows Application](#).

Projects

NetSuite 2016.2 includes the following enhancements to Projects features:

- Project Billing Rate Cards
- Project Revenue Recognition
- Project Template Enhancements
- Recurring Resource Allocations Supported in the Resource Allocation Chart/Grid

Project Billing Rate Cards

In 2016.2, you can use Billing Rate Cards to define different billing rates for groups of billing classes. These rate cards can then be used to set billing rates on charge-based projects using time-based charge rules. For example, you may negotiate different rates for various roles required to complete projects for your customers. Customer A is billed at \$150 per hour for a project manager, \$75 per hour for a consultant, and \$50 per hour for an analyst. Customer B is billed \$200 a hour for a project manager, \$150 a hour for a consultant, and \$75 a hour for an analyst. You can create two different rate cards using the same billing classes to define the different rates.



Important: Charge-Based Billing and Per-Employee Billing Rates are prerequisites for using Billing Rate Cards.

After you have enabled the feature, you can go to Setup > Accounting > Billing Rate Cards > New to create your billing rate cards. Billing class records will no longer contain a field for defining rates. You must define rates for billing classes used for projects on billing rate cards. A default billing rate card is automatically created after the feature is enabled with your existing billing classes and default rates. When billing class is selected as the basis for time-based charge rules, a required Billing Rate Card field is available to select the rate card for the new rule.

Each customer can have a default rate card defined on the customer record. When you create a new charge-based project for that customer, the default billing rate card is used when creating new time-based charge rules. The Billing Rate Card field is hidden by default on the customer record. You can add this field by customizing your customer record. For more information, see the help topics [Creating Custom Entry and Transaction Forms](#) and [Configuring Fields or Screens](#).

Project Revenue Recognition

The Project Revenue Recognition feature enables you to defer revenue for charge-based projects using advanced revenue management without generating sales orders. You can recognize the deferred revenue independently from customer billing across future periods according to rules you configure.



Important: The Project Management, Charged-Based Billing, and Advanced Revenue Management features are required to use Project Revenue Recognition.

To use Project Revenue Recognition, you create Project Revenue Rules based on your existing charge rules for the project. You can create labor based, fixed amount, and percent complete project revenue rules. These revenue rules determine how much and how often you recognize the revenue created by your project. After you have created your project revenue rules, revenue arrangements, elements, and plans are created for your project revenue. For more information, see the help topics [Project Revenue Recognition](#) and [Using Advanced Revenue Management](#).

Project Template Enhancements

In 2016.2 several enhancements have been made to improve the conversion of project templates to projects.

- A customer record can now be selected and added to the project during its creation. On the project template record, after clicking Create Project, a dialog box opens to enter the project name and select a customer. Previously, only a project name was entered when creating a project from a template.
- If template conversion fails and NetSuite is unable to create the new project record, a specific error message alerts you to the problem. The message offers a solution that you can fix and initiate the project creation again. For example, a task on the template contains a Finish No Later Than date set in the past.
- A new warning message displays while a project record is being created from a template. This new message offers a detailed list of the features that are not available during conversion and offers a link to reload the page. Also, sublists that are not available during conversion have been removed until the conversion is complete.
- A Project Template field has been added to the new project form enabling you to select a project template to populate fields when creating a new project. Selecting a template automatically populates some fields in the Project Overview section. After saving, your new project begins copying the remaining template information to your new project record. Similar to creating a project record from a template, not all information is immediately available. Depending on the amount of information in your template, it could take several minutes for all of your information to be copied. Prior to saving the new project record, the Project Template field can be edited to change the selected template. Changing the selected template rewrites any fields that have been edited with the new template information. After the new project record is saved, the Project Template field is no longer available.
- You can now select an existing project template to use when creating projects from service items. Previously, task templates were defined directly on the service item record for use when creating projects. With 2016.2, you can attach a default project template to your service items intended for projects. To set a default template, on the service item record, go to Related Records > Projects. Check the Create Project box and select a default template in the Project Template field. Click Save. Now when you create a project from a sales order containing this service item, the selected project template is used for the new project.
- You can now select a project template directly on the Create Projects from Sales Orders page. When creating projects in bulk, a new field for project template is now available. If you have set a default project template on your service items, this field is automatically populated with the default project template.

For more information, see the help topics [Creating Project Templates](#), [Setting a Service Item to Create a Project](#), and [Creating Projects in Bulk](#).

Vendors, Purchasing, and Receiving

NetSuite 2016.2 includes the following enhancement to vendors, purchasing, and receiving features: [Supply Chain Management Enhancement](#)

Taxation

NetSuite 2016.2 includes the following enhancements to taxation features:

- [Import Withholding Tax Transactions Using Web Services](#)
- [Intrastat Report for Austria](#)
- [Supplementary Tax Calculation](#)

- [Multi-Book Accounting for the Tax Audit Files SuiteApp](#)
- [Multi-Book Accounting for the International Tax Reports SuiteApp](#)

User Interface

Be aware of the following upcoming changes to the NetSuite user interface (UI):

- [Dashboard SuiteApp Portlets](#)
- [Redesigned Reminders Portlet](#)
- [End of Support for Internet Explorer 10](#)
- [End of Support for Safari 6](#)
- [End of Support for Google Chrome on Windows Vista and Mac OS X Versions 10.6, 10.7, and 10.8](#)
- [Microsoft Edge \(Anniversary Update and Later\) Now Supported on Windows 10 \(Anniversary Update\)](#)
- [SuiteSocial Enhancements](#)

Dashboard SuiteApp Portlets

In NetSuite 2016.2, selected SuiteApps can be added to your dashboard.

The Personalize Dashboard menu now includes a SuiteApps tab where you can find the dashboard-compatible SuiteApps installed in your account.

You can add these SuiteApps as dashboard portlets by dragging them onto your dashboard. Up to six SuiteApps portlets can be added.

To appear in the Personalize Dashboard menu, a SuiteApp must meet the following requirements:

- It must be installed in your account.
- It must include a dashboard component.

For information about scripting and bundling dashboard SuiteApp portlets, see [SuiteScript 2.0 Portlet Script Support for Dashboard SuiteApps](#) and [Support for Bundling Dashboard SuiteApp Portlets](#).

Redesigned Reminders Portlet

For 2016.2, the Reminders portlet includes the following enhancements:

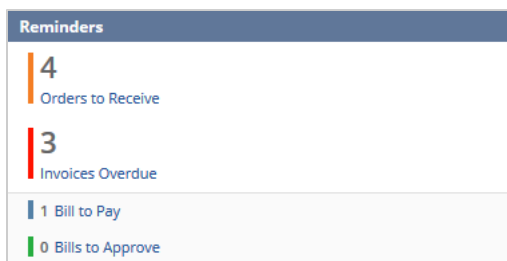
- [Headline Reminders](#)
- [Highlighting of Reminders](#)

Headline Reminders

The Reminders portlet has been redesigned to include headline reminders. Headline reminders are displayed in the upper part of the portlet.

Headline reminders use a larger font for number values and a more prominent layout.

To turn a reminder into a headline reminder, drag it to the upper part of the portlet. You can also turn a reminder into a headline reminder by editing it or using the portlet's Set Up dialog box.



Highlighting of Reminders

You can apply highlighting rules to any of your reminders. Each highlighting rule adds a color indicator to the reminder whenever the specified threshold is reached.



To learn more about the Reminders portlet, see the help topic [Setting Up Reminders](#).

End of Support for Internet Explorer 10

As of 2016.2, NetSuite no longer supports the Internet Explorer 10 browser. As of January 12, 2016, Microsoft stopped providing security updates and technical support for Internet Explorer 10 on Windows 7 and Windows 8.1.

If you are using Internet Explorer 10, NetSuite strongly recommends that you upgrade to Internet Explorer 11 or switch to another supported browser.

As of 2016.2, NetSuite no longer tests or addresses any issues related to Internet Explorer 10.

For a full list of currently supported browsers, see the help topic [Supported Browsers for NetSuite](#).

Note: This end of support for Internet Explorer 10 does not apply to web stores.

End of Support for Safari 6

As of 2016.2, NetSuite does not support the use of Safari 6. Any issues related to the use of Safari 6 are no longer addressed.

If you are using Safari 6, NetSuite strongly recommends that you upgrade to a newer version of the Safari browser or switch to another supported browser.

End of Support for Google Chrome on Windows Vista and Mac OS X Versions 10.6, 10.7, and 10.8

As of April 2016, Google ended support for the Google Chrome browser on the following operating systems:

- Windows Vista
- Mac OS X Snow Leopard (v10.6), OS X Lion (v10.7), and OS X Mountain Lion (v10.8)

As of April 2016, Google stopped providing security updates and technical support for Google Chrome on these operating systems.

If you use Google Chrome on one of these platforms, NetSuite strongly recommends that you switch to another supported browser or upgrade your operating system.

As of 2016.2, NetSuite no longer tests or addresses any issues related to Google Chrome running on these operating systems.

Please note that Google Chrome continues to be supported on newer versions of Windows and Mac OS, including Windows 7, Windows 8, and Windows 10.

For a full list of currently supported browsers and operating systems, see the help topic [Supported Browsers for NetSuite](#).

Microsoft Edge (Anniversary Update and Later) Now Supported on Windows 10 (Anniversary Update)

As of 2016.2, NetSuite supports the use of Microsoft Edge (Anniversary Update and later) on Windows 10 (Anniversary Update).



Important: Microsoft Edge support is limited to the NetSuite application only. Microsoft Edge is not supported for NetSuite web stores.

For a full list of currently supported browsers and operating systems, see the help topic [Supported Browsers for NetSuite](#).

SuiteCommerce Advanced

The latest version of SuiteCommerce Advanced, **Elbrus**, includes the following enhancements.



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 [Migration to New Releases](#).

- [Custom Field Support](#)

- Facets as URL Parameters
- Handlebars.js Helper Additions
- Internet Explorer 8 No Longer Supported
- Mastercard 2-Series BIN Range Support
- Multi-Image Option Enhancements
- Product Details Page Architecture Changes
- Quantity Pricing
- Quick Order
- Script Debugger Change for Field Set Setup Script
- Single Secure Domain for Shopping and Checkout
- SSL on Shopping Domain
- Pickup In Store
- SuiteCommerce Configuration Updates
- SuitePromotions
- View Architecture Changes

Complete release notes are available here: [SuiteCommerce Advanced Release Notes](#).

Site Management Tools

This version of SuiteCommerce Advanced Site Management Tools includes the following enhancement.

Category Management in SMT

Available in the Vinson release of SuiteCommerce Advanced and later.

The 2016.2 release adds commerce categories management to site management tools. Site management tools administrators can now:

- Create categories
- Configure category page attributes including:
 - Name
 - Page Title
 - Description
 - Page heading
 - URL Fragment
 - Meta Description
 - Meta Keywords
 - Inactive and Display in site can be modified through the menu.
- Set the order of items in a category
- Reorder items in a category

Additional attributes for the category can be managed in NetSuite on the Commerce Categories page.

SuiteCommerce InStore

The following new features are included in SuiteCommerce InStore, Bundle ID 110261:

- Remote Configuration Support for SuiteCommerce InStore
- SuiteCommerce InStore for Windows
- SCIS Support for EMV
- Adding Notes to SCIS Transactions
- Allowing Price Override on Items in SCIS
- Prompt for Price Capability in SCIS
- Support for Localization in SuiteCommerce InStore
- No Sale Capability in SCIS
- SCIS Location Settings Changed to SCIS Settings
- Support for Custom Attributes in the SCIS User Interface
- Support for Automatic Receipt Printing
- Permissions for Quotes
- Change in CustomConfiguration.js for Avatax Support
- SCIS Saved Searches are Locked
- SCIS Efix Releases

SuiteCommerce InStore (SCIS) is a managed SuiteApp. After installation, updates and enhancements to the SuiteApp are automatically pushed to your account.



Important: If you installed SCIS prior to this release, you must reset the touch point after this update. Go to Setup > SuiteCommerce Advanced > Set Up Web Site. Edit your SCIS website. On the Touch Points subtab, set the View Homepage touch point to SuiteCommerce InStore.



Important: Installation of the SCIS for iOS app is **required** to start using SCIS 2016.2.0. If you installed SCIS prior to this release, you must install the newest version of the SCIS for iOS app to continue using SCIS.

SCIS Support for EMV

EMV is the standard for chip card technology. Starting in SCIS 2016.2.0, SuiteCommerce InStore supports merchants who are adding in-store technology and internal processing systems for smart-chip cards at point-of-sale. To configure support for EMV, you must first install a SuiteApp distributed by a Payment Service Provider (PSP) that supports integration with NetSuite. Next, create a payment processing profile and payment method in NetSuite, and then configure related SCIS custom records. For more information, read the help topic [Configuring EMV Payment Services for SCIS](#).

Adding Notes to SCIS Transactions

Sales reps or sales associates can include additional information, or notes, on orders. For example, transaction notes can be used to indicate whether or not a customer prefers pick up or if the customer

was referred by a friend. SCIS 2016.2.0 includes a new custom record, SCIS Transaction Note Types. Administrators use this custom record to define the types of notes that are available. Sales associates can touch the transaction note icon to open a popup screen where they can enter information about the order. The icon displays in the Item Action Menu (under the item in the cart) or in the transaction summary area.

The screenshot shows two parts of the SuiteCommerce InStore interface. The top part is a modal window titled 'Item Notes' with a close button (X). It contains two columns of note types: 'Prefers Pickup' and 'Custom Note' on the left, and 'Friend Referral' on the right. The 'Friend Referral' option is selected, showing a dropdown menu with the text 'Maggie's friend' and a checkmark. Below the note types are 'SAVE' and 'CANCEL' buttons. The bottom part of the screenshot shows a cart item 'Climber-Sutra Shirt' with a quantity of 1, a price of \$26.00, and a total of \$26.00. Below the item details is an action menu with a 'NOTE' icon (a notepad) highlighted by a hand cursor, and other icons for 'RETURN', a menu, and a close button.

By default, one custom note is installed by the SuiteApp, but Administrators can modify the custom note and create multiple note types. For more information that administrators can use to configure SCIS Transaction Note Types, read the help topic [Defining SCIS Transaction Notes](#). For more information for sales associates, read the help topic [Adding Transaction Notes](#).

Allowing Price Override on Items in SCIS

Price override enables markup capability in SCIS 2016.2.0. After adding items to the cart, a sales associate can click on the amount in the line-item or on the order subtotal to add a markup. The user interface is similar to adding a custom discount, except the amount entered increases the line item total.

The screenshot shows a modal window titled 'Select Discount' with a close button (X). At the top, it displays 'Total' with a red 'Markup \$5.00' and a black 'After Discount \$75.00'. Below this are two sections: 'Select rate' and 'Select reason'. In the 'Select rate' section, there are three buttons: '-%', '-', and '=', with the '=' button highlighted by a red box. Below these buttons is a text input field containing '75'. In the 'Select reason' section, there are three radio button options: 'Regular customer', 'Other', and 'Price Override'. The 'Price Override' option is selected, indicated by a blue dot, and its label is highlighted by a red box. At the bottom of the modal are three buttons: 'APPLY', 'CANCEL', and 'BACK'.

No additional configuration by an administrator is necessary. For more information, read the help topic [Applying a Markup or Price Override](#).

Prompt for Price Capability in SCIS

Starting with SCIS 2016.2.0, SuiteCommerce InStore enables the sales associate to enter a price at point-of-sale for items that may not be configured in NetSuite. To configure this prompt for price capability, administrators create a non-inventory item for sale in NetSuite. Administrators then assign a variable price to the item. The non-inventory item is then displayed in SCIS as an Open Item. For example, the Open Item can be used in a furniture store, where customers might want to buy a floor model. The sales associate can add the open item to the order, and then set the price in the cart.

The screenshot shows a 'Variable Price Item' window. On the left, there's a placeholder image of a cardboard box labeled 'Open Item'. Below it is a text input field for 'Amount' with a dollar sign and the value '20.00'. On the right, under the heading 'Choose available amount below', there are seven buttons for different price points: \$1.00, \$2.00, \$5.00, \$10.00, \$20.00, \$50.00, and \$100.00. At the bottom of the window are two buttons: 'ADD' and 'CANCEL'.

To learn more about how to configure prompt for price capabilities, administrators can read the help topic [Creating an Open Item in SCIS to Prompt for Price](#). For more information for sales associates, read the help topic [Adding an Open Item](#).

Support for Localization in SuiteCommerce InStore

SCIS 2016.2.0 includes localization support for France, Germany, and Spain. The following capabilities are supported in SuiteCommerce InStore:

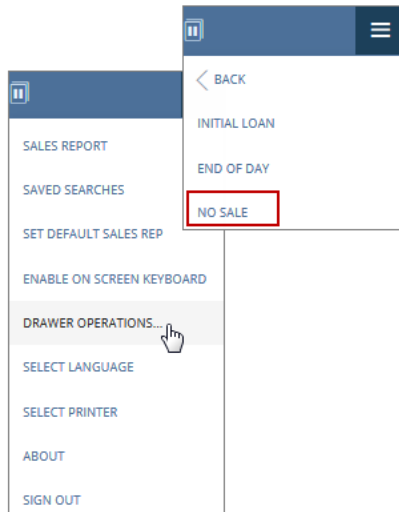
- Currency
- Decimal precision
- Item pricing
- Taxes
- Receipts
- Cash rounding
- Address formats
- Phone formats
- Date formats

Starting in SCIS 2016.2.0, sales associates can select a supported language from the User Menu. Then, text strings in user interface and product detail pages are translated. This release also includes receipt templates for each supported country.

To configure SCIS for a locale, you must complete some general setup in NetSuite, such as entering supported currencies, and entering prices for each currency on item records. You must also configure custom records appropriately. For more information about configuring SCIS for different locales, read the help topic [Localizing SCIS](#). For more information about using receipt templates, read the help topic [Advanced Receipt Templates for SCIS](#). Read also, [Managing Multiple Languages for SCIS](#).

No Sale Capability in SCIS

SCIS 2016.2.0 includes support for opening the cash drawer when there is no sale. No Sale was a button on a cash register, traditionally used in retail to open a cash drawer between transactions. The No Sale capability enables general flexibility in using SCIS to open the cash drawer, and is useful for making change without having to complete an order.



When the No Sale option is selected from the User Menu, a popup screen displays. The sales associate must also select a reason for opening the cash drawer. Part of setting up the No Sale capability, is for administrators to configure SCIS custom records defining acceptable reasons for opening the cash drawer.

 A screenshot of a popup window titled 'Open Drawer Without Sale'. Inside the window, there is a section titled 'Select reason' with five radio button options:

- ☐ The drawer was accidentally closed when I was giving change.
- ☐ The cash drawer did not open after the transaction was done.
- ☐ Money exchange needed.
- ☐ I gave the wrong change.
- ☐ Custom reason

 Below the options, there is a text input field for the 'Custom reason'. At the bottom of the popup, there are two buttons: 'APPLY' and 'CANCEL'.

The No Sale capability is restricted by permission. An administrator must configure SCIS permissions appropriately. For more information about configuration, read the help topic [SCIS No Sale](#). For more information for sales associates, read the help topic [No Sale](#).

SCIS Location Settings Changed to SCIS Settings

In SCIS 2016.2.0, the name of the SCIS Location Settings custom record changes to **SCIS Settings**. Also, this record is enhanced to support additional settings. Now, you can use the SCIS Settings record for the following:

- Printing configuration settings.
- Defining custom attributes.
- Selecting logo images.

As in previous versions of SCIS, you can still use this custom record to set discounts, shipping methods and saved searches for particular locations, websites and subsidiaries.

The screenshot shows the 'SCIS Settings' page with 'SCIS Global Settings' selected. It includes buttons for 'Edit', 'Back', and 'Actions'. Below, there are fields for 'NAME' (SCIS Global Settings), 'AIRPRINT DEFAULT PAPER SIZE' (A4), and 'STAR DEFAULT PAPER SIZE' (3 inches). A tabbed interface shows 'Workflow' as the active section, with sub-tabs for 'Active Workflows' and 'Workflow History'. A 'VIEW' dropdown is set to 'Default', and there are 'Customize View' and 'Refresh' buttons. A table header is visible with columns: WORKFLOW, CURRENT STATE, DATE ENTERED WORKFLOW, DATE ENTERED STATE, and OPTIONS. The table currently shows 'No records to show.'

For more information, see the help topic [SCIS Settings](#).

Support for Custom Attributes in the SCIS User Interface

In SCIS 2016.2.0, administrators can customize the SCIS user interface by displaying additional field attributes on certain pages. This new capability enables administrators to show additional information that is relevant to sales associates and customers. Placeholders, or zones have been created to define areas in the SuiteCommerce user interface that can be customized. Administrators define the fields, or attributes that should appear in each zone. The following screenshot shows the zones available in the cart, displaying custom attributes.

The screenshot shows a cart item for a 'Climber-Sutra Shirt'. The product image is on the left. To its right, the product name 'Climber-Sutra Shirt' is displayed, with a red box highlighting the text 'Quantity available at all locations: 69'. Below the product name, another red box highlights the text 'Backorder Availability: Yes'. To the right of the product name, the quantity is set to '1', the price is '\$26.00', and the total is '\$26.00'. There are also icons for a menu and a close button.

The following sections of SCIS contain zones that support customization:

- the cart
- customer profile
- product detail page
- item and customer search results

The SCIS Settings record supports definitions for attributes in each section of the UI. You can display multiple attributes in each zone. The number of attributes you can display in a particular zone, depends only on your design specifications. From the SCIS Settings record, you create **SCIS Custom**

Attributes. Each custom attribute you create defines various properties of the attribute, including the field you want to show and the zone where it should display.

SCIS Settings
SCIS Global Setting

Save Cancel Reset Actions

NAME *
SCIS Global Setting

☐ INACTIVE

AIRPRINT DEFAULT PAPER SIZE *
A4

STAR DEFAULT PAPER SIZE *
3 inches

Workflow General Printing Filters PDP Cart Item Search Customer Customer Search

SCIS Custom Attributes

New SCIS Custom Attributes

LABEL *	FIELD ID *	ZONE *	ALLOWED ROLES
Quantity available at all locations	quantityavailable	right	Administrator SCIS Clerk
Available for backorder	isbackorderable	left	Administrator SCIS Clerk

After you define custom attributes, you can refresh the SCIS page to see your changes. For more information, read the help topic [Creating SCIS Custom Attributes](#).

Support for Automatic Receipt Printing

In SCIS 2016.2.0, the SCIS Settings record enables you to configure printer settings. Included in the printer settings are check boxes to enable automatic printing when an order is submitted. This capability frees sales associates from having to click the Print Receipt button on each order. The printing operation happens automatically. You can set automatic printing for receipts from orders and returns.

Workflow General Printing Filters PDP Cart Item Search Customer Customer Search

AIRPRINT DEFAULT PAPER SIZE *
A4

STAR DEFAULT PAPER SIZE *
3 inches

☐ AUTO-PRINT SALES RECEIPTS
☐ AUTO-PRINT RETURN RECEIPTS

For more information, read the help topic [Setting Up Receipt Printers for SCIS](#).

Permissions for Quotes

In SCIS 2016.2.0, new permissions have been added for working with quotes. Now, you must ensure that proper permissions are assigned to the SCIS Clerk role, and any role used by employees working with quotes in SCIS. To verify that permissions are assigned correctly, go to Customization > Lists, Records, & Fields > Record Types. View the **SCIS Permission** list, and then ensure that the expected roles appear in the list of **Authorized Roles**. For more information, read the help topic [SuiteCommerce InStore Permissions](#).

The following permissions have been added to this release:

- QUOTES_CREATE
- QUOTES_UPDATE
- QUOTES_CONVERT

Change in CustomConfiguration.js for Avatax Support

SCIS supports NetSuite accounts that have installed Avalara AvaTax for NetSuite. Note that in SCIS 2016.2.0, the property `avalaraRefresh` was renamed as `submitOnUpdate`. If you use Avalara in your NetSuite account, you must ensure that the new property, `submitOnUpdate` is set properly. For more information, read the help topic [Enabling Avalara AvaTax in SCIS](#).

SCIS Saved Searches are Locked

In SCIS 2016.2.0, the Saved searches used by SCIS are locked.

The SuiteApp installs a set of saved searches. Some of these saved searches are used for reports, such as the SCIS Audit log. While other saved searches are used for displaying fields and data in SCIS. For example, the SCIS Locations saved search displays location information from your NetSuite account on the Nearby Locations subtab of the Product Detail Page in SCIS.

To customize a saved search, an administrator must make a copy of an SCIS saved search and modify the copy. Note, however, when modifying one of the SCIS saved searches, you must retain the same fields as the original. Errors may occur in SCIS due to custom saved searches that may not include information from certain fields. For more information, read the help topic [SCIS Saved Search and Reporting](#).

SCIS Efix Releases

- Efix release, SCIS 2016.2.1 resolves an error that occurred when using a barcode scanner to add items to an order after the customer was selected.
- Efix release, SCIS 2016.2.2 resolves the following issues:
 - Resolves an error that occurred with line-level shipping.
 - Resolves the problem of incomplete email receipts for large orders.
 - Resolves an Issue in which the information of the payment is missing for both Cash and Credit Card Payment Methods.
- Efix release, SCIS 2016.2.3 includes a change to the workflow for entering return transactions in SCIS. Return reasons are no longer required on return transactions submitted in SCIS. Note that if the return reason is not selected, then the text, **Return Reason** appears on the transaction in NetSuite. For more information, read the help topic [Return Reasons](#).
- Efix release, SCIS 2016.2.5 resolves the following:
 - Resolves an error that did not allow the use of gift cards as a payment in certain cases.
 - Resolves an error that hid the Receipt and Return buttons on order transactions after an order was found using search.
 - Resolves an issue with the date filter on reports showing transactions submitted in Australia.

Commerce Platform

Commerce Platform includes platform capabilities that you can use to build and deploy a more interactive and engaging shopping experience for customers. NetSuite 2016.2 includes the following enhancements:

- [Device Fingerprinting in SuiteCommerce Advanced](#)

- Categories in Search
- Commerce Categories Management
- Web Store Shipping Estimator Redesigned
- System Notes for Web Site Records
- Enhanced Permissions on SSP Applications
- Allow other CDN Providers
- Improve Performance at Checkout through CDN Integration
- Additional Image Services for Resizing and Caching Performance
- Support for PST Tax in the Commerce API

Device Fingerprinting in SuiteCommerce Advanced

SuiteCommerce Advanced supports device fingerprinting for online orders as part of the advanced fraud management features available with CyberSource Decision Manager. Device fingerprinting collects information about the computer used to place an order through your Web store to determine whether the device is trustworthy. Data gathered at checkout is analyzed by Decision Manager in real-time. Based on rules you define in Decision Manager, an order can be accepted, rejected, or placed on payment hold for review as part of your order management process in NetSuite.

Before using device fingerprinting in your SuiteCommerce Advanced web stores, the following prerequisites must be met:

- You must be using CyberSource Decision Manager to authorize credit card transactions. Check the **Enable Device Fingerprinting** box in your CyberSource gateway profile. For complete details, read the help topic [Using CyberSource Decision Manager for Fraud Management](#).
- Enable the **Require Authorization for Credit Card Transactions** box for the desired site on the Shopping tab of the Web Site Setup record at Setup > SuiteCommerce Advanced > Set Up Web Site.

After these prerequisites are met, when a user opens the final submit page in Checkout in your web store, information about their device along with a unique session ID is sent to the device fingerprinting server.

Note: Any calls to the device finger printer are excluded from the SEO page generator.

For releases prior to the Vinson release of SuiteCommerce Advanced, you can customize your implementation to support device fingerprinting. Add the following code snippet just before the closing `</body>` tag of the checkout.ssp file at `/CheckoutApplication@x.x.x/SuiteScript/checkout.ssp`. For customization best practices, see the help topic [Customize and Extend](#).

```
<%= order.getDeviceFingerprintingHtml() %>
```

Categories in Search

In 2016.2, the Item Search API has been enhanced to accommodate the new Commerce Categories feature.

Note: To use the new categories search APIs, the Commerce Categories feature must be enabled on the Web Presence subtab at Setup > Company > Enable Features.

The following new Item Search API input parameters are available:

- `commercecategoryid` — Specifies items by a given Commerce Category ID.
- `commercecategoryurl` — Specifies items by a given Commerce Category URL.
- `commercecategoryname` — Specifies items by a given Commerce Category Name. This parameter is dependent on the Commerce Category facet field being defined in the Web Site Setup record.

The following existing parameters have been modified:

- `sort` — This has been modified to sort items according to the category when the value of `commercecategory` and either `commercecategoryid` or `commercecategoryurl` is specified. This is dependent on the Commerce Category sort field being defined in the Web Site Setup record.
- `fieldset` — This has been modified to return the Commerce Category details for a given item when the Commerce Category field is defined in the Web Site Setup record field sets.

Commerce Categories Management

The new Commerce Categories feature lets you create a hierarchical structure of categories and subcategories for organizing and grouping your items. Each category is configured with attributes such as title, heading, and URL that set important category page attributes. You also define important SEO related considerations such as meta description, meta keywords, and sitemap priority.

When assigning a category as a subcategory, you have the option to override the category's default attributes with new attributes that are applied when the category is accessed as a subcategory. A category can be used as a subcategory for multiple categories, but each category can have only one primary parent category.

The Items subtab lets you assign items to a category. An item can be assigned to multiple categories. For example, a pair of men's hiking boots can be assigned to a men's boots category, and the same pair of boots can also be assigned to an outdoor category.

Web Store Shipping Estimator Redesigned

You can use the shipping estimator in the shopping cart to display an estimated shipping cost to customers. Prior to 2016.2, the calculation was based on shipping methods in your NetSuite account that were made available online. Starting in 2016.2, website administrators can select a preference on the Web Site Setup page for calculating the estimated shipping cost. The new preference is available for both Site Builder and SuiteCommerce Advanced websites.

To set this new preference, go to Setup > Site Builder/SuiteCommerce Advanced > Set Up Web Site. Then click Edit next to a site. Click the **Shipping** subtab to make a selection from the **Shipping Estimator Preference** list. The following options are included:

- **Lowest Price Shipping Item** – shows the lowest priced shipping method available for the shopper's address.
- **Default Web Store Shipping Item** – shows the default shipping method selected for the website. You can set this on the Web Site Setup page.
- **Company Default Shipping Method** – shows the shipping method set as the default for the company. You can set this at Setup > Accounting > Shipping.
- **Customer's Previous Shipping Method selection** – shows the shipping method that the shopper used on the previous order.

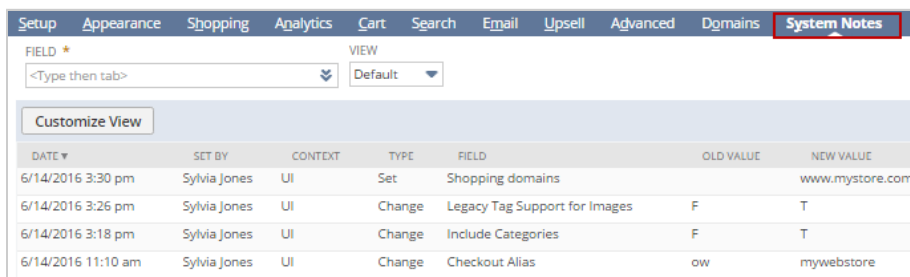
After you set the Shipping Estimator Preference, the shipping estimator uses your setting to calculate the estimated shipping cost displayed to the website customer. Note that the preference setting you

select may not be applicable to a particular customer. For example, you might select a default shipping method that is not available for a particular customer address. In this case, a system of precedence determines the preference used to calculate the estimated shipping cost.

System Notes for Web Site Records

Prior to 2016.2, changes to the Web Site Setup page were not logged, so web store administrators did not have a way to audit configuration changes. Starting in 2016.2, system notes capture information about changes made to website records for both Site Builder and SuiteCommerce Advanced. By making this information visible, account administrators can track important changes to website implementations. Also, this information can be useful if it becomes necessary to communicate with Customer Support.

To view system notes go to Setup > Site Builder/SuiteCommerce Advanced > Set Up Web Site. Then click Edit next to the website. System Notes are visible to account administrators, as well as any user with access to the Web Site Setup page.



DATE ▼	SET BY	CONTEXT	TYPE	FIELD	OLD VALUE	NEW VALUE
6/14/2016 3:30 pm	Sylvia Jones	UI	Set	Shopping domains		www.mystore.com
6/14/2016 3:26 pm	Sylvia Jones	UI	Change	Legacy Tag Support for Images	F	T
6/14/2016 3:18 pm	Sylvia Jones	UI	Change	Include Categories	F	T
6/14/2016 11:10 am	Sylvia Jones	UI	Change	Checkout Alias	ow	mywebstore

For more information, see the help topic [Working with Website System Notes](#).

Enhanced Permissions on SSP Applications

The Enhanced Permissions on SSP Applications feature enables website developers to create more powerful capabilities for ecommerce websites. This feature is available for Administrators and users with privileges to use SuiteScript, who are creating websites using Site Builder and SuiteCommerce Advanced.

In 2016.2, the Permission subtab appears on SuiteScript Server pages (.ssp) and SuiteScript (.ss) files within SSP application folders. In this way, you have more flexibility in specifying the audience that can execute the scripts. Scripts can be executed to run with a specified role that is not dependant on the role of the user who triggered the execution.

For example, you can use enhanced permissions on a SuiteScript file to allow shoppers access to location and inventory information about products for sale on a website. As the Administrator, or a web developer with permission to use SuiteScript, you can set the new Execute As Role field to a custom role with specific privileges. Then define the audience of users who can execute the script either by choosing specific roles, or checking the new Run Script Without Login box. For more information, see the help topic [Applying Permissions to SSP Application Files](#).

Allow other CDN Providers

A content delivery network (CDN) is a system of connected servers that improve application response times by caching and delivering data using the geographical proximity of a server to an end user.

Before 2016.2, SuiteCommerce was restricted to a single CDN provider for content delivery. Although the provider has proven to be reliable and robust, this restriction limited certain parts of the platform to the functionality supported by that provider.

With 2016.2, changes are in place to permit other providers and support secure sockets layer (SSL) transactions over a CDN. These changes are the first phase toward offering CDN flexibility to customers in the future.

Improve Performance at Checkout through CDN Integration

Previously, CDN was supported in the shopping domain but not in the secure checkout domain, which limited performance for the shopper experience. Now, CDN with SSL technology is included in the checkout domain. The change is part of a larger effort to enhance performance by providing secure shopping and checkout through a single domain.

The steps to configure a secure checkout-domain changed to include the CDN option. The process now also provides enhanced messaging to alert you of deployment success or failure.

Additional Image Services for Resizing and Caching Performance

Before 2016.2, requests to resize web store images on a page flowed through a single queue. Images were processed and cached through a primary service or a fallback service. When working with pages that included many images, the queue could become congested. A high number of requests in a short period might return an image having less-than-optimal results. Requests could also fail to cache, not save to the database, or fail by timing out.

2016.2 provides additional image services to handle resizing and caching. If one service is busy, the request automatically moves to the next available service, avoiding congestion and improving performance.

Support for PST Tax in the Commerce API

With 2016.2, the Commerce API has been enhanced to capture the total tax when both GST and PST taxes are used. Previously, the `taxtotal` and `tax2total` fields returned the GST and PST taxes in separate fields and only the GST tax amount was reflected in the Tax amounts displayed on web sites.

With 2016.2, the `getOrderSummary(fields)` API has been updated. A new `TotalCombinedTaxes` field has been added to the `OrderSummary` object and returns the sum of `taxtotal` and `tax2total`.

SuiteBundler

NetSuite 2016.2 includes the following enhancements to SuiteBundler features:

- [Bundle Support During Release Phasing](#)
- [Support for Bundling Dashboard SuiteApp Portlets](#)


- Ability to Stop a Managed Bundle Upgrade
- Notifications for Managed Bundle Upgrades
 - Managed Bundle Upgrade Notifications to Bundle Owners
 - Managed Bundle Upgrade Notifications to Target Account Users
- Filtering Bundle Installation and Copy by Account Type
- Bundle Support for Item Number Custom Fields
- NetSuite Version Filter for Managed Upgrades
- Enhanced Bundling of Custom Segments

Bundle Support During Release Phasing

Bundle support during phasing of 2016.2 is consistent with the support provided during previous releases. During phasing of 2016.2, some accounts continue to use 2016.1 during the time that other accounts are upgraded to 2016.2. Therefore, you may be using a version different from some of the accounts where your bundles are installed.

Review the description below for a reminder of how bundles from different versions are handled during release phasing.

- Bundles developed with 2016.1 can be installed into accounts that are already using 2016.2.
- Bundles developed with 2016.2 can be installed into accounts that are still using 2016.2, but note the following limitations:
 - When a user in a 2016.1 account installs a bundle from a 2016.2 account, any object types in the bundle that are not supported in 2016.1 are not installed. Uninstalled object types may result in a potentially serious impact to bundle function.
 - A bundle with a SuiteScript that uses a new API available only in 2016.2 can be installed into a 2016.1 account, but the script may not correctly function because 2016.1 does not support the API.

 **Warning:** The bundles that can be installed into a Release Preview account are only those created in another Release Preview account. A bundle originally installed from a production account or the production repository can be updated in a Release Preview account if the original account or repository is also available in Release Preview. A bundle originally installed from a sandbox account cannot be accessed or updated in a Release Preview account. Also, any bundle created in a Release Preview account cannot be installed into a production or sandbox environment, even if it has been copied to the bundle repository.

Support for Bundling Dashboard SuiteApp Portlets

As of 2016.2, you can provide users with greater visibility and easier access to your SuiteApps by including a new type of SuiteScript 2.0 portlet script in each of your SuiteApp bundles. This new type of script provides a dashboard component for your SuiteApp, adding a portlet that is available to users from the Personalize Dashboard menu. This menu includes a new SuiteApps option. A user can click this option to get a quick view of the SuiteApps with a dashboard component that are installed in their account. These SuiteApps are represented by portlet icons in the Personalize Dashboard window. The icon for each SuiteApp is displayed with graphics that support its branding. A user can double-click or drag a SuiteApp portlet's icon to add a portlet to their dashboard that gives direct access to the SuiteApp.

To add this capability to a SuiteApp, you can create a SuiteScript 2.0 portlet script that provides custom content. You can upload a graphics file to be shown as the icon in the Personalize Dashboard window. On the script deployment record for the new portlet script, you should indicate that the script is designed for a dashboard SuiteApp portlet. And you can indicate the graphics file to be shown for the SuiteApp. For more information, see [SuiteScript 2.0 Portlet Script Support for Dashboard SuiteApps](#).

After you have created the portlet script and edited its script deployment record, you should add it to your SuiteApp. In the Bundle Builder, you can modify the bundle definition for the SuiteApp to include the new script. The graphics file selected for the icon is automatically included in the bundle with the script. In accounts where the updated bundle containing the new script is installed, users can add your new SuiteApp portlet to their dashboards. For more information, see [Dashboard SuiteApp Portlets](#).

Ability to Stop a Managed Bundle Upgrade

Typically a managed bundle upgrade is pushed to many target accounts at one time. Completion of upgrades in all of these accounts may be time-consuming. In some cases, the initiator of this type of upgrade may discover an error. In these cases, the initiator may want to stop the upgrade before it completes in all target accounts. Prior to 2016.2, there was no way to stop a managed upgrade after it had been initiated. This ability has been added for 2016.2. Now you can stop pending managed bundle upgrades immediately rather than waiting for the upgrades to complete in all accounts and then having to start over. This new capability can prevent the installation of bundles containing errors and can save a lot of time.

A new **Cancel Pending Upgrades** button is available on the Initiate Upgrade page for managed bundles. If you want to stop a managed upgrade, you can click this button to cancel the upgrades in any target accounts that have a status of **Pending**. When you click this button, a popup asks whether you are sure. When you confirm, a banner appears on the Initiate Upgrade page stating that cancellation of pending upgrades is in progress, until the cancellation is complete.

For information about managed bundle upgrades, see the help topic [Upgrading Your Managed Bundle Install Base](#).

Notifications for Managed Bundle Upgrades

As of 2016.2, SuiteBundler sends email notifications of managed bundle upgrades to both bundle owners and target account users. Email recipients can be designated on the Bundle Details page.

Managed Bundle Upgrade Notifications to Bundle Owners

After a managed bundle upgrade has ended, a summary email message containing details about the upgrade is sent to the user who initiated the upgrade. This message can also be sent to other users in the managed bundle's source account. These additional recipients can be set in a new **Email Recipients** field that is available on the Bundle Details page in the source account.

This summary email includes the following details:

- bundle ID
- bundle name
- bundle version
- source account ID
- overall upgrade start date and time

- overall upgrade end date and time
- overall status
- details for each target account

Possible statuses include:

- Completed – Upgrade was initiated on all target accounts.
- Failed – Process failed unexpectedly before upgrade was initiated on all accounts.
- Canceled – Upgrade initiator clicked Cancel before upgrade was initiated on all accounts.

Details provided for each target account include: account ID, company name, status, upgrade start date and time, and upgrade end date and time.

Managed Bundle Upgrade Notifications to Target Account Users

As of 2016.2, SuiteBundler sends email notifications of managed bundle upgrades to target account users. Email recipients can be designated on the Bundle Details page.

When a managed bundle is successfully upgraded in a target account, an email message containing the bundle name, bundle ID, bundle version, and account ID is sent. No message is sent when an upgrade fails.

The recipients for this email message are based on the **Email Recipients** setting on the Messages subtab of the Bundle Details page in each target account. The default choice is **All Bundle Admins**, indicating that all administrators and users with the SuiteBundler permission in the account are recipients. A choice of **None** opts out of receiving this email. A choice of **Custom** allows the entry of specific users to receive the email.

Bundle Details
Advanced Promotions

[Back](#)

NAME Advanced Promotions	NO. INSTALLS 1,881
ID 49247	PRODUCT NetSuite OneWorld
COPIED FROM	VERTICAL
VERSION 2.07.2	LANGUAGES English (U.S.)
COMPANY NetSuite Platform Solutions Group - Advanced Promotions	AVAILABILITY Public
<input checked="" type="checkbox"/> MANAGED	DOCUMENTATION helpcenter.nl/Topic=DOC_AdvancedPromotions_SuiteApp
AVAILABLE SINCE 12.2.2014	

Overview Components SuiteApp Info **Messages** Audit Trail

EMAIL RECIPIENTS
 All Bundle Admins (selected)
 All Bundle Admins
 None
 Custom

	FROM	DATE RECEIVED
Promotions Version 2.07	netsuite@netsuite.com	2.9.2015 9:25 pm
Promotions Version 2.05	netsuite@netsuite.com	24.9.2014 12:20 am

Note: The **Email Recipients** setting applies to all bundle messages, not only managed bundle upgrade notifications. For more information, see the help topic [Subscribing to Bundle Email Messages](#).

Filtering Bundle Installation and Copy by Account Type

A new Account Type filter is now available on the Show Install Base, Push Bundle to Accounts, and Copy Bundle to Accounts pages, and on the Initiate Upgrade for managed bundles page. This new filter has been added to the Region and Bundle Version dropdown lists in the Filters area at the top of these

pages. You can use this new filter to limit the target accounts displayed on these pages. You can then push or copy bundles to one type of account at a time.

For more information, see the help topic [Filtering on Bundle Install Base Lists](#).

Bundle Support for Item Number Custom Fields

NetSuite 2016.2 supports the addition of item number custom fields to bundles. Custom fields of this type are now available on the Select Objects page of the Bundle Builder.

NetSuite Version Filter for Managed Upgrades

The ability to filter managed upgrades by NetSuite version is now supported. If you own a managed bundle, you can use this filter to see the NetSuite version being run in your managed bundle install

base accounts. You can choose to implement managed bundle upgrades only for target accounts running either the lagging or leading version of NetSuite. Also, you can choose to send bundle notification messages only to target accounts running a specified NetSuite version.

A **NetSuite Version** dropdown list is available in the Filters section on the Initiate Upgrade page for managed bundles. To get to this page, go to Customization > SuiteBundler > Create Bundle > List, and select Upgrade Install Base for a managed bundle.

The **NetSuite Version** dropdown list is also available on the Recipients subtab on each bundle Message page for a managed bundle. To get to this page, go to Customization > SuiteBundler > Create Bundle > List, and click the bundle name to go to the Bundle Details page. On the Bundle Details page, click the Messages subtab and the New Message button.

SuiteBuilder - Customization

NetSuite 2016.2 includes the following enhancements to SuiteBuilder features:

- [Enhancements to Custom Segments](#)
- [Applying Item Custom Fields to Individual Items](#)
- [Show Hierarchy Option Added to Custom Fields](#)

Enhancements to Custom Segments

This release includes the following enhancements to custom segments:

- [Enhanced Reporting for Custom Segments](#)
- [Access to Custom Record Types for Custom Segments](#)
- [Change to Custom Segment Field Display Location on Forms](#)
- [Custom Segments Displayed in Company Menu](#)
- [Including Custom Segments in Statistical Journals Created by Statistical Schedules](#)
- [Including Custom Segments in Automatically Generated Journals](#)
- [Support for Custom Segments on GL Impact Hidden Lines](#)
- [Enhanced Bundling of Custom Segments](#)
- [Custom Segment Support for Additional Transaction Types](#)
- [Custom Segment Support for Additional Records](#)
- [Custom Segment Support for Dynamic Allocation Schedule Lines](#)

For more information about this feature, see [Custom Segments](#).

Enhanced Reporting for Custom Segments

As of 2016.2, you can use custom segments as report column dimensions, so that each report row includes a per-segment value.

To add a custom segment as a dimension for a financial statement, you can select the custom segment in the **View Columns By** dropdown list on the Edit Columns page of the Financial Report Builder. This selection persists whenever the custom financial statement is run.

Financial Report Builder

CUSTOM INCOME STATEMENT 2

[Edit Layout](#)
[Edit Columns](#)
[Filters](#)
[Sorting \(Optional\)](#)
[More Options](#)
[Preview](#)
[Save](#)

NAME *
Custom Income Statement

SEARCH FIELDS

ADD FIELDS
[Add Formula Field](#)

- Budget
- Financial
- Budget and Financial

HELP
To add more columns to your report, select a field from the "Add Fields" pane above. You can also drag-and-drop them directly into your report.

Account Type

Report Preview

VIEW COLUMNS BY
Total

Subsidiary (Hierarchy)	Amount
CSeg For All no GL (Custom Column)	\$40000.00
CSeg For All no GL (Custom Column) (Hierarchy)	\$30000.00
CSeg For All no GL (Custom Body)	\$20000.00
CSeg For All no GL (Custom Body) (Hierarchy)	\$10000.00
CSeg For Body Only (Custom Body)	\$100000.00
CSeg For Body Only (Custom Body) (Hierarchy)	

[Move Left](#)
[Move Right](#)
[Remove Column](#)

Financial: Amount

Column Label
Amount

Drop Decimals
☐

Divided by 1000
☐

Display Negative Numbers
Parentheses example: (123)

Negatives in Red
☐

Summary
▼

Add Grand Total
☒

Add % of Income Column
☐

Add % of Expense Column
☐

Alternate Date Range Type
None

For reports other than financial statements, you can add a custom segment as a report dimension by selecting it in the **Column** dropdown list in the report footer. A column added through this method applies only to the current report, so you must repeat the selection each time you run the report.

Custom Income Statement [View Detail](#)

FINANCIAL ROW	UNASSIGNED		COL VALUE 1 LVL 1		Total Amount	TOTAL Amount
	Amount	Amount	Col Value 1A Lvl 2	Col Value 1C Lvl 2		
Ordinary Income/Expense						
Income						
Sales	\$100.00	\$60.00	\$500.00	\$2,100.00	\$2,660.00	\$2,760.00
Total - Income	\$100.00	\$60.00	\$500.00	\$2,100.00	\$2,660.00	\$2,760.00
Cost Of Sales						
Purchases	\$20.00	\$0.00	\$60.00	\$220.00	\$280.00	\$300.00
Total - Cost Of Sales	\$20.00	\$0.00	\$60.00	\$220.00	\$280.00	\$300.00
Gross Profit	\$80.00	\$60.00	\$440.00	\$1,880.00	\$2,380.00	\$2,460.00
Net Ordinary Income	\$80.00	\$60.00	\$440.00	\$1,880.00	\$2,380.00	\$2,460.00
Net Income	\$80.00	\$60.00	\$440.00	\$1,880.00	\$2,380.00	\$2,460.00

DATE (Custom) FROM 4/1/2016 TO 4/30/2016 SUBSIDIARY CONTEXT US (Consolidated) COLUMN CSeg For Column Only ... Column (Hierarchy)

Access to Custom Record Types for Custom Segments

As of 2016.2, when you create a custom segment, the custom record type associated with the custom segment is available on the Record Types list page. For all custom segments created in 2016.2 or later, a link to the associated custom record type is available on the Custom Segment definition page.

A new Segment column has been added to the Record Types page at Customization > Lists, Records, & Fields > Record Types. For record types that are associated with a custom segment, the Segment column shows the segment name.

Record Types							
New Type							
FILTERS							
<input type="checkbox"/> SHOW INACTIVES TOTAL: 2							
EDIT ▲	FROM BUNDLE	ID	OWNER	CUSTOM SEGMENT	LIST	NEW RECORD	SEARCH
Business Area		customrecord_cseg_business_area		Business Area	List	New Record	Search
Last Sales Activity Record	53195	customrecord_lsa	Automation User		List	New Record	Search

The custom record type has the same name as the custom segment. Access to the record type is useful if you want to do additional customizations that are not available on the custom segment page itself, such as adding a custom field. For example, create a Grant custom segment to apply to transactions. Use the Grant custom record type to collect information about the grant, and include the Grant custom field in report results.

If you edit the custom record, some of the fields on the Custom Record Types page are read-only because the record is associated with a custom segment.

Custom Record Type More

Business Area

Actions ▾

NAME *

ID

CUSTOM SEGMENT

OWNER

DESCRIPTION

☒ INCLUDE NAME FIELD
☐ SHOW ID
SHOW CREATION DATE ☐ ON RECORD ☐ ON LIST

SHOW LAST MODIFIED ☐ ON RECORD ☐ ON LIST
SHOW OWNER ☐ ON RECORD ☐ ON LIST ☐ ALLOW CHANGE
ACCESS TYPE

☒ ALLOW UI ACCESS
☐ ALLOW MOBILE ACCESS
☐ ALLOW ATTACHMENTS
☒ SHOW NOTES
☒ RECORDS ARE ORDERED
☐ SHOW REMOVE LINK ☐ ALLOW CHILD RECORD EDITING ☐ ALLOW DELETE

☐ ALLOW QUICK SEARCH
☐ ALLOW QUICK ADD
☒ ENABLE SYSTEM NOTES
☐ INCLUDE IN GLOBAL SEARCH
☐ INCLUDE IN SEARCH MENU
☐ ENABLE OPTIMISTIC LOCKING
☐ ENABLE INLINE EDITING
☒ HIERARCHY
☐ INACTIVE

☒ SHOW INACTIVES

DESCRIPTION	ID	TYPE	LIST/RECORD	TAB	SHOW IN LIST
No records to show.					

Actions ▾

The custom record type page provides a link to the record's associated custom segment.

Change to Custom Segment Field Display Location on Forms

On standard forms, custom segments now appear in the Classification field group on the page instead of on the Custom subtab. The following example shows a Business Area custom segment.

Purchase Order

Actions ▾

Primary Information

CUSTOM FORM *

VENDOR #

VENDOR *

EMPLOYEE

☐ SUPERVISOR APPROVAL

RECEIVE BY

DATE *

PO #

MEMO

Classification

SUBSIDIARY

DEPARTMENT

CLASS

LOCATION

CURRENCY
USA

BUSINESS AREA

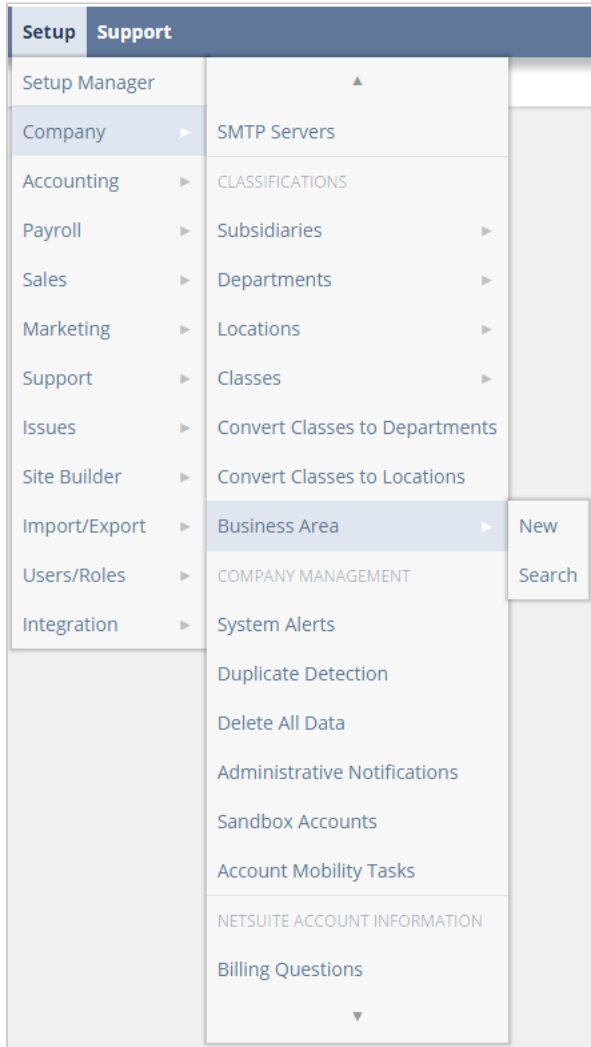
Items

EXCHANGE RATE *

ITEM *	VENDOR NAME	QUANTITY	DESCRIPTION	RATE	AMOUNT	OPTIONS	DEPARTMENT	CLASS	CUSTOMER	BILLABLE	MATCH BILL
<input type="button" value="Add"/> <input type="button" value="Cancel"/> <input type="button" value="Copy Previous"/> <input type="button" value="Insert"/> <input type="button" value="Remove"/>											

Custom Segments Displayed in Company Menu

As of 2016.2, custom segments are available from the Setup > Company menu, like other classifications. After you create a new custom segment, it appears under Setup > Company > Classifications. The custom segments are listed at the bottom of the classification group. In the following example, the user created a Business Area custom segment.



Users who have Edit permission for the Record Access Level on the custom segment can click New to add a value for the custom segment.

Users who have View permission for the Record Access Level on the custom segment can click Search to look for custom segment values.

Including Custom Segments in Statistical Journals Created by Statistical Schedules

To enter statistical journals into your system, you create a saved search run by a statistical schedule to automatically generate statistical journals. The saved search defines the type of data that you want to collect. Then, you assign that saved search to a statistical schedule to be run at specified intervals.

Custom segments can now be used as group summary criteria in a saved search that is associated with a statistical schedule.

The custom segment is displayed on the system-generated statistical journal entry lines.

Notes About Correct Behavior

- The following is correct behavior for a search used by a statistical schedule. If you have one custom segment that is filtered by (dependent on) another segment, ensure that you include both segments in the search results. If only the dependent (child) segment is included in the results of the saved search, its value shows correctly. However, the value of the parent segment in the journal entries is empty. Although it is an invalid combination, such a scenario could occur any time the parent is changed.
- When you run a schedule with a search that yields no results, the balance of the target account is set to zero, which is correct behavior. If you change the saved search associated with the statistical schedule and unintentionally make the search results empty, the statistical balance is removed. NetSuite recommends that you do not change the saved search after it has been used for a statistical schedule.

Including Custom Segments in Automatically Generated Journals

Custom segments are now supported for the following automatically generated journals that support class, department, and location:

- Advanced Revenue Recognition Journal



Note: To have custom segments appear on Advanced Revenue Recognition Journals, you must apply the custom segments to the revenue arrangement and revenue element records. The revenue arrangement and revenue element records are part of the Advanced Revenue Management feature. For more information, see the help topic [Setting Up Advanced Revenue Management](#).

- Amortization Journal
- Bill Variances Journal (SCM)
- Collect Tegata and Pay Tegata
- Entity Open Balance Journal Entry
- Intercompany Elimination Journal Entry
- Offset Journal Entry (Absolute Balance Update)
- Recognize Gift Certificate (SCIS)
- Revaluation Journal (FX Revaluation)
- Revenue Reclassification Journal
- Revenue Recognition Journal Entry
- Time Posting to Journal Entry (PSA)

Support for Custom Segments on GL Impact Hidden Lines

As of 2016.2, custom segments are supported on hidden lines that have GL impact, to ensure correct financial reporting. With this change, the hidden lines get the custom segment values from the item line or the transaction body, where applicable.

This change ensures that financial reports correctly reflect per-segment GL impact for landed cost, tax lines, and other types of hidden lines.

Enhanced Bundling of Custom Segments

Bundling of custom segments has been enhanced to support the following:

- Inclusion of inactive custom segments in bundles.
- Ability for bundle updates to delete custom segments.
- Uninstall of bundles containing custom segments.

Inactive Custom Segments

Inactive custom segments that have GL impact can now be included in bundles. Users can then activate the custom segments as required.

Bundle Update Deletion of Custom Segments

If the Allow GL Custom Segment Deletion setting is enabled, an update to a bundle can now delete a custom segment. If the Allow GL Custom Segment Deletion setting is not enabled, an error appears when you attempt to update a bundle containing a deleted custom segment.

NetSuite recommends that you avoid deleting custom segments as part of bundle update. The best practice is to inactivate any custom segments that are not needed.

Bundle Uninstall

If the Allow GL Custom Segment Deletion preference is enabled, bundles containing custom segments can now be uninstalled. If the Allow GL Custom Segment Deletion preference is not enabled, an error appears when you attempt to uninstall a bundle containing a custom segment.

Custom Segment Support for Additional Transaction Types

The following additional transaction types that support custom fields now support custom segments:

- Finance charge – Finance charges are supported when the **Sales Transactions** box on the Transactions subtab is checked. Then, when the custom segment is applied to a sales transaction, the custom segment appears on the finance charge record.
- Inventory count – When the **Other** box on the Transactions subtab is checked, the custom segment is available on the Inventory Count page.

Custom Segment Support for Additional Records

Several additional records are now supported by custom segments, including those in the following list. Note that this is not a complete list.

- Advanced revenue recognition records, including fair value formula, revenue element, and revenue recognition rule. Revenue allocation group is not supported.

- Budget record. Listed on the Other Record Types subtab, the budget record now supports the creation of budgets for a selected segment.

After a budget is created, the custom segment cannot be removed from the budget. If budget transactions exist, the custom segment cannot be inactivated or deleted, and the Custom Segments feature cannot be disabled.

Custom segment access permissions work differently on the budget record. When a custom segment is applied to a budget record, all users who can access the budget record can view and edit the custom segment value.

- Dynamic allocation schedule – Available with the Allocation Schedule Source Line and Allocation Schedule Destination Line options. For more information, see [Custom Segment Support for Dynamic Allocation Schedule Lines](#).
- Multi-book records, including accounting book, class, department, and location segment mappings, and entity account mapping.

You can view the list of available records on the Other Record Types subtab on Customization > Lists, Records, & Fields > Custom Segments > Application & Sourcing.

Note: Some records are not available unless the related feature is enabled. For example, the accounting book record is not available unless the Multi-Book Accounting feature is enabled.

Custom Segment Support for Dynamic Allocation Schedule Lines

You can now apply a custom GL segment to dynamic allocation schedule lines (source, destination, or both). For example, you could allocate costs per cost center by assigning a custom segment to the destination lines.

When a custom segment is applied to an allocation schedule, it should also be applied to the appropriate general journal entry. If you do not do both, application of a segment to an allocation schedule automatically triggers application of the segment to the general journal entry. This behavior occurs for both allocation schedules and intercompany allocation schedules.

For more information about allocation schedules, see the help topic [Understanding Expense Allocation](#)

Applying Item Custom Fields to Individual Items

As of 2016.2, you can specify that item custom fields be applied to individual items. The Applies To subtab on the Custom Item Field configuration page has new fields to support this feature.

The **Select Individual Items** box at the top of the right column controls the availability of the other fields on the subtab. If the **Select Individual Items** box is checked, the fields in the left column are unavailable, and the fields in the right column are available. If the **Select Individual Items** box is not checked, the fields in the left column are available, and the fields in the right column are unavailable.

Check the **Select Individual Items** box to specify where this custom item field is used. Then, in the Items list, press and hold the Ctrl key and click the items where this custom field is available.

An **Include Child Items** box has been added to the Applies To subtab of the Custom Item Field and of the Transaction Item Option configuration pages. When you are editing a parent record, you can check the **Include Child Items** box to apply these settings to this parent item and to all of its child items. The settings also apply to any child items added at a later date.

Note: If a field is used and then removed from an item, the value is still available on the record where it was used.

Show Hierarchy Option Added to Custom Fields

A new **Show Hierarchy** box is now available on the Display subtab of custom field pages in the following cases:

- The custom field is of type list/record or multi-select.
- The selection in the **List/Record** dropdown list is hierarchical, for example, a subsidiary, class, department, location, or hierarchical custom record.

Custom CRM Field List More

Save Cancel Reset Apply to Forms

LABEL * In Person Inquiry

ID _in_person

OWNER Christine McKarney

DESCRIPTION

TYPE List/Record

LIST/RECORD Subsidiary

☒ STORE VALUE ☐ USE ENCRYPTED FORMAT

☐ SHOW IN LIST

☐ GLOBAL SEARCH

☐ RECORD IS PARENT

☐ INACTIVE

Applies To **Display** Validation & Defaulting Sourcing & Filtering Access Translation

INSERT BEFORE

SUBTAB

DISPLAY TYPE Normal

HELP

☒ SHOW HIERARCHY

Save Cancel Reset Apply to Forms

To specify that the record hierarchy be shown in the field's values, check the **Show Hierarchy** box, which is the default. To show the field name without the hierarchy, clear the **Show Hierarchy** box. For existing fields, the **Show Hierarchy** box is checked only for fields that already show the hierarchy.

When the hierarchy is shown, dropdown lists and multi-select fields show the record hierarchy, for example, Parent Company : CAN Subsid : Toronto.

Event List Search Customize More

Save Cancel Reset

Primary Information

TITLE * STATUS * ORGANIZER *
Confirmed Christine McKarney

LOCATION EVENT ACCESS *
Show as Busy

Date and Time

DATE * 6/21/2016 ☐ ALL DAY ☒ RESERVE TIME

START TIME * 1:00 pm 1:00 pm

END TIME * 2:00 pm 2:00 pm

REMINDER TYPE None

REMINDER None

Message Attendees Resources Availability Recurrence Related Records Communication Time Tracking **Custom**

IN PERSON INQUIRY

Parent Company : CAN Subsid

Parent Company : Elim Subsid

Parent Company : JP Subsid

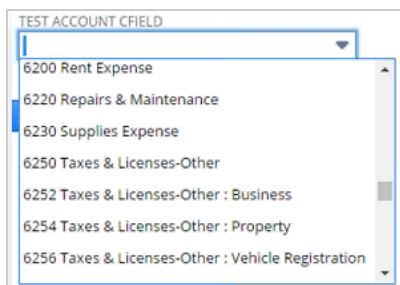
Parent Company : Manil Subsid

Parent Company : Sing Subsid

Parent Company : UK Subsid

Parent Company : UK Subsid : Euro Subsid

In the case of accounts, when the Use Account Numbers preference is enabled, custom account fields now display account numbers together with account names.



The Show Hierarchy setting is also applied to field values shown in search results.

SuiteAnalytics (Dashboards, Reporting, and Search)

NetSuite 2016.2 includes the following enhancements to SuiteAnalytics:

- Advance Notice – Account ID and Role ID Parameters to be Required for SuiteAnalytics Connect Authentication
- Advance Notice – End of Support for TLS 1.0 in SuiteAnalytics Connect
- Advance Notice – End of Support for Java and .NET Versions That Do Not Support TLS 1.2
- Advance Notice – End of Support for Windows Server 2003 for SuiteAnalytics Connect Drivers
- 2016.2 SuiteAnalytics Connect Browser

Advance Notice – Account ID and Role ID Parameters to be Required for SuiteAnalytics Connect Authentication

As of January 7, 2017, any connections to NetSuite through SuiteAnalytics Connect drivers must use NetSuite account ID and role ID for authentication. Any connections that do not provide account ID and role ID will fail.

If you do not know your account ID and role ID, go to your NetSuite home page and click **Set Up SuiteAnalytics Connect** in the Settings portlet. The account ID and role ID can be found in the **Your Configuration** area at the top of the download page.

You should edit your SuiteAnalytics Connect drivers' properties to enable account ID and role ID authentication. To learn more, see the following help topics:

- **For ODBC driver** – See the help topics [Configuring the ODBC Data Source on Windows](#) and [Configuring the ODBC Data Source on Linux](#).
- **For JDBC driver** – See the help topic [JDBC Code Examples](#).
- **For ADO.NET driver** – See the help topic [Connecting with the ADO.NET Data Provider](#).



Important: If you use fully qualified table names in your SuiteAnalytics Connect queries, make sure that you use only exact qualifier values. When account ID and role ID authentication is enabled, qualifier values are case sensitive and do not allow additional spaces. For details, see the help topic [Using Qualified Queries](#).

Advance Notice – End of Support for TLS 1.0 in SuiteAnalytics Connect

SuiteAnalytics Connect will stop supporting the TLS 1.0 encryption protocol on January 7, 2017. This change ensures better connection security through support of the TLS 1.2 encryption protocol, increasing the safety and protection of your data.

To ensure that your SuiteAnalytics Connect integrations continue to work beyond January 7, 2017, please upgrade your SuiteAnalytics Connect drivers to the latest version and update your NetSuite connections to use certificate-based server authentication.

To test if your account is ready for this transition, you can use your sandbox test environment where the TLS 1.0 support will end a month earlier, on December 7, 2016.

To upgrade:

1. Download and install the latest SuiteAnalytics Connect driver. Go to your NetSuite home page and click **Set Up SuiteAnalytics Connect** in the Settings portlet.

To update the driver:

- **On Windows** – Use the installer to update your current ODBC, JDBC, or ADO.NET driver.
- **On Linux** – Back up the existing ODBC or JDBC driver files by moving them to a different location, and extract the new driver's files to the folder where the older driver version was previously installed.

2. Update your NetSuite connections to ensure that they use certificate-based server authentication and provide the NetSuite account ID and role ID on every connection. Any connections that do not use certificate-based authentication combined with NetSuite account ID and role ID authentication will stop working on January 7, 2017 (for sandbox accounts, on December 7, 2016).

For more information on setting up certificate-based server authentication, see the following help topics:

- **For ODBC driver** – See the help topic [Authentication Using Server Certificates for ODBC](#).
- **For JDBC driver** – See the help topic [Authentication Using Server Certificates for JDBC](#).
- **For ADO.NET driver** – See the help topic [Authentication Using Server Certificates for ADO.NET](#).

Advance Notice – End of Support for Java and .NET Versions That Do Not Support TLS 1.2

As of January 7, 2017, the SuiteAnalytics Connect service will no longer support earlier versions of Java and .NET that do not support the TLS 1.2 encryption protocol.

To ensure that your JDBC and ADO.NET integrations continue to work with SuiteAnalytics Connect beyond that date, please upgrade your SuiteAnalytics Connect JDBC and ADO.NET drivers to the latest version and update your Java and .NET environments to at least the following versions:

- Java SE 7 or later

- .NET 4.5 or later

For details about how to upgrade your SuiteAnalytics Connect drivers, see the help topic [Downloading a Connect Driver](#).

Advance Notice – End of Support for Windows Server 2003 for SuiteAnalytics Connect Drivers

As of January 7, 2017, Windows Server 2003 will no longer be supported by the SuiteAnalytics Connect ODBC, JDBC, and ADO.NET drivers. To ensure that your SuiteAnalytics integrations continue working beyond that date, update your operating system and install the latest version of the SuiteAnalytics Connect driver.

For details about how to install and configure the latest version of the SuiteAnalytics Connect drivers, see the help topic [Downloading a Connect Driver](#).

2016.2 SuiteAnalytics Connect Browser

The 2016.2 SuiteAnalytics Connect Browser is not yet available.

CSV Import

NetSuite 2016.2 includes the following enhancements to CSV Import.

- [CSV Import Supported for Credit Card Transactions](#)
- [CSV Import Supported for Inventory Adjustments](#)
- [CSV Import Supported for Billing Accounts](#)
- [Change to CSV Preference for Script and Workflow Execution](#)
- [Author and Recipient Email Fields Available in Messages Import](#)
- [Overwrite Sublists Available in Journal Entry Import](#)
- [New Character Encodings Supported in CSV Files](#)
- [Change to Chart of Accounts Import in OneWorld Accounts](#)

CSV Import Supported for Credit Card Transactions

As of 2016.2, you can import credit card charge and credit card refund transaction data into NetSuite from CSV files.

Before you can import credit card transactions, you must add a credit card account. To learn how to set up a credit card account, see the help topic [Creating Company Credit Card Accounts](#)

After the credit card account has been created, you can import credit card transaction data. In the Import Assistant, set the Import Type to Transactions and the Record Type to Credit Card Charge or Credit Card Refund.

CSV Import Supported for Inventory Adjustments

As of 2016.2, you can import inventory adjustment data from CSV files.

Before you can import inventory adjustments, you must enable the Inventory feature. For information about this feature, see the help topic [Inventory Management Features](#).

To import inventory adjustment data, in the Import Assistant, set the Import Type to Transactions and the Record Type to Inventory Adjustment.

CSV Import Supported for Billing Accounts

As of 2016.2, you can import customer billing account data from CSV files.

You must set up a billing schedule before you can import billing account data. To set up a billing schedule, go to Lists > Accounting > Billing Schedules > New, type a schedule name, provide the initial amount, recurrence frequency, and recurrence count, and click Save. For more details, see the help topic [Billing Schedules](#).

To import billing account data, in the Import Assistant, set the Import Type to Relationships and the Record Type to Billing Account. See the help topic [Billing Account Import](#).

Change to CSV Preference for Script and Workflow Execution

With this release, you can set a per-import job preference indicating whether server SuiteScripts and workflows should be triggered by that import. Before 2016.2, this preference could only be set globally for all CSV imports at Setup > Import/Export > CSV Import Preferences.

Note: A permission has been added to the Role page on the Permissions > Setup subtab. If the Control SuiteScript and Workflow Triggers per CSV Import permission is selected, users cannot change the setting for scripts and workflow triggers on individual CSV imports. For users who do not have change permission, the global setting for the account applies for all of their imports.

As of 2016.2, this new preference, called **Run Server SuiteScript and Trigger Workflows** has been added to the Advanced Options section on the Import Options page of the CSV Import Assistant.

Clear this box to disable all server SuiteScripts and workflow triggers for data changes resulting from the current import. Enable this option to allow server SuiteScripts to run and workflows to trigger for data changes resulting from the current CSV import. By default, this option is set to match the setting of the company preference, at Setup > Import/Export > CSV Import Preferences. You can change the

setting as needed for the current import. If you save the import mapping, your preference for this option is saved with it.

For saved CSV imports that were created before 2016.2, after this change is loaded, the **Run Server SuiteScript and Trigger Workflows** box is set to the company preference. You can change the setting for the current import as required.

Author and Recipient Email Fields Available in Messages Import

Two additional fields are now available for the Messages CSV Import. The From Email Address and To (Email) fields are now available for you to map in the CSV Import. From Email Address and To (Email) fields are required only if the From and Attach to entity records do not have an email address specified. For more information about the Messages CSV Import, see the help topic [Messages Import](#).

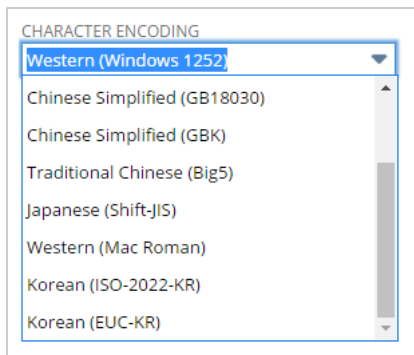
Overwrite Sublists Available in Journal Entry Import

When importing journal entries or intercompany journal entries using the CSV Import, the Overwrite Sublists box is now available. When importing journal entries, if you check the Overwrite Sublists box, journal entry lines can be replaced, overwritten, or added. For more information, see the help topic [Journal Entry Import and Intercompany Journal Entry Import](#).

New Character Encodings Supported in CSV Files

New encodings are now supported for CSV file data imported to NetSuite. The following options have been added to the **Character Encoding** dropdown list on the Scan & Upload CSV File page of the Import Assistant:

- Chinese Simplified (GBK)
- Traditional Chinese (Big5)
- Korean (ISO-2022-KR)
- Korean (EUC-KR)



For more information, see the help topic [Choose Import Character Encoding](#).

Change to Chart of Accounts Import in OneWorld Accounts

Updates to the account record have resulted in a change to the Chart of Accounts CSV import. In OneWorld accounts, the Account Translation sublist has been deprecated and is no longer available

in the Chart of Accounts CSV import. The Account Localization sublist is now supported on a Chart of Accounts CSV import performed in a OneWorld account. The sublist does not have a key.

The Account Localization sublist is available only on OneWorld accounts where multiple languages have been configured. With this release, you can import Language, Name, Accounting Context, and Number on the Account Localization sublist.

Any saved CSV imports are migrated to the new values of the Localization tab so that the imports will work with the changes on the Account record.

SuiteFlow (Workflow Manager)

NetSuite 2016.2 includes the following enhancements to SuiteFlow features:

- Workflow Instances and History Record Purge
- SuiteFlow User Interface View Mode
- Updated Bulk Approval Conditions
- Disabling Workflows Triggered by Web Services and CSV Imports
- Workflow Buttons No Longer Simultaneously Initiate Workflow Instances and Actions

Workflow Instances and History Record Purge

History records are created each time a workflow moves into a state, including the first state of the workflow. Beginning in NetSuite 2016.2, SuiteFlow provides a way to purge workflow instances and history records for finished workflow instances. The Instances and History Records popup window provides a way to view workflow history statistics and supports the purging of history records for finished workflow instances. Instance and history record statistic counts display in a number rounded down closest to the actual number of instances and records, such as 100, 1,000, 10,000, etc. This number is not the exact count of instances and history records. You select the instances and history records to be deleted based on the length of time they have been stored, such as 3 months. This new dialog can be accessed on the Workflow Definition page from More > Instances and History Records.

The record purge is logged on the Workflow Definition page History tab and an email is sent when a purge finishes.

For more information, please see the help topic [Workflow Instance and History Record Purges](#).

SuiteFlow User Interface View Mode

As of 2016.2, SuiteFlow introduces the ability to open a workflow definition for viewing only. By default, when you open a workflow it is in this new view-only mode. You must explicitly indicate that you want to edit the workflow. This new feature includes the following changes to the SuiteFlow UI to support view and edit modes:

- On the Workflows list page, you can click **Edit** to modify the workflow, or click the workflow name to view details for the workflow.
- On the Workflow Diagram page, you can use the new **Edit** button in the top right corner of the page to modify a workflow. When you are done making edits, click the new **Done Editing** button.

The screenshot shows the SuiteFlow Workflows list page. The top navigation bar includes the Netsuite logo, a search bar, and user information (Rachel Kennedy, One World - Administrator). The main navigation bar includes links to Activities, Transactions, Lists, Reports, Customization, Documents, Setup, and Support. The Workflows section is active, showing a list of workflows. The 'Edit' button for the 'Journal Entry Basic Approval' workflow is highlighted with a red box.

EDIT	NAME ▲	RECORD TYPE	DESCRIPTION	OWNER	RELEASE STATUS	RUN AS ADMIN
Edit	Journal Entry Basic Approval	Transaction	The Journal Entry approval process prevents users from being able to approve or reject journal entries that they create. With the approval process, a journal entry can be approved or rejected only by an administrator or by the supervisor of the person who created the record. (The only exception is if the creator is at the top of the user hierarchy and has no supervisor. In this case, the person who created the record can approve or reject the journal entry.) If a journal entry is rejected, its creator or an administrator can re-submit it for approval. An approved journal entry is locked for all users except administrators. Complexity: Low	Rachel Kennedy	Not Running	Yes

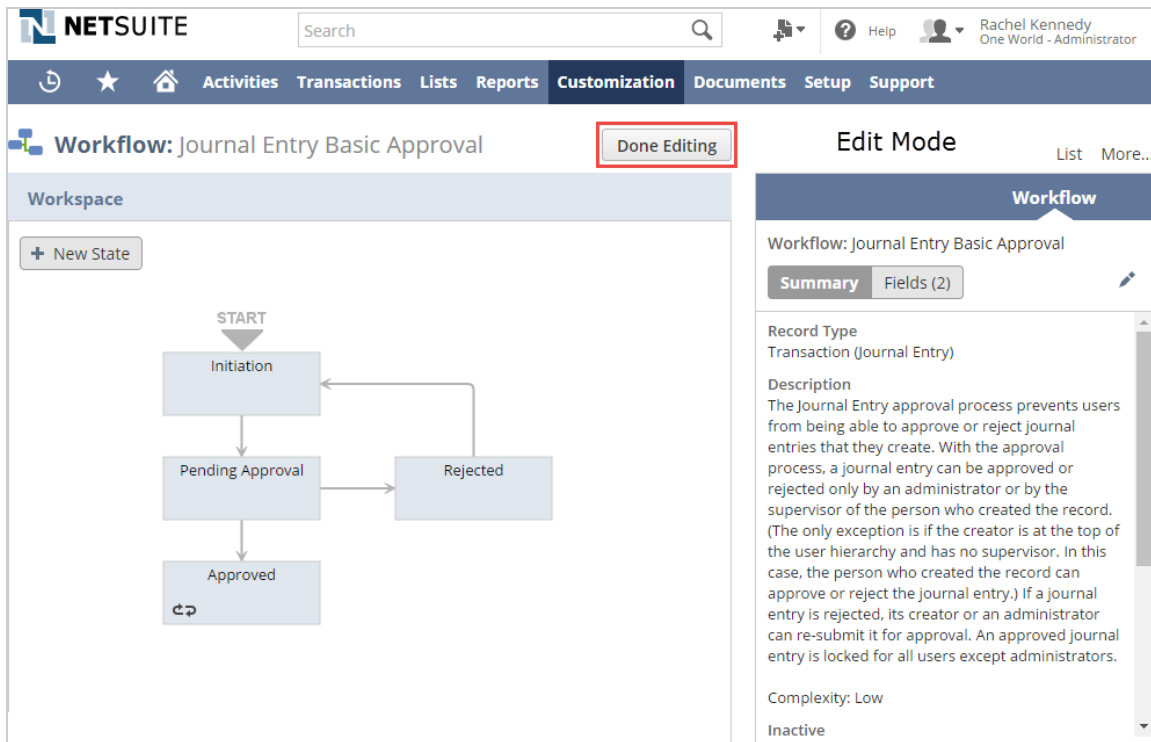
The screenshot shows the SuiteFlow Workflow Diagram page for the 'Journal Entry Basic Approval' workflow. The 'Edit' button is highlighted with a red box. The diagram shows a flow from START to Initiation, then to Pending Approval, which can lead to Rejected or Approved. The Approved state has a loop back to Initiation.

```

graph TD
    START([START]) --> Initiation[Initiation]
    Initiation --> PendingApproval[Pending Approval]
    PendingApproval --> Rejected[Rejected]
    PendingApproval --> Approved[Approved]
    Approved --> Initiation
  
```

The right sidebar shows the workflow details:

- Workflow:** Journal Entry Basic Approval
- Summary** | Fields (2)
- Record Type:** Transaction (Journal Entry)
- Description:** The Journal Entry approval process prevents users from being able to approve or reject journal entries that they create. With the approval process, a journal entry can be approved or rejected only by an administrator or by the supervisor of the person who created the record. (The only exception is if the creator is at the top of the user hierarchy and has no supervisor. In this case, the person who created the record can approve or reject the journal entry.) If a journal entry is rejected, its creator or an administrator can re-submit it for approval. An approved journal entry is locked for all users except administrators.
- Complexity:** Low
- Inactive**



Updated Bulk Approval Conditions

The conditions used for Bulk Approvals for records using custom approvals have been updated for the following records:

- Blanket Purchase Order
- Invoice
- Purchase Contract
- Purchase Requisition
- Revenue Arrangement

Prior to 2016.2, both the workflow button's condition and the Next Approver condition were used to filter records for bulk approvals for the listed records. The Next Approver condition checks that the **Next Approver** field on the record contains the current logged in user. Beginning in 2016.2, the Next Approver condition is no longer used to filter records for bulk approvals for the listed records. Records are now filtered for bulk approvals using only the workflow button's condition. If you would like to continue to filter records based on the Next Approver field, you must add the condition to the workflow button condition. If you require assistance, contact Customer Support.

Disabling Workflows Triggered by Web Services and CSV Imports


As of 2016.2, you can set a preference to disable workflows from being triggered for a specific web services SOAP request or a specific CSV import job. Prior to this release, you could set these preferences only on a company-wide level.

For details about these new capabilities, see [Ability to Control Scripts and Workflows per Request](#) and [Change to CSV Preference for Script and Workflow Execution](#).

Workflow Buttons No Longer Simultaneously Initiate Workflow Instances and Actions

Prior to 2016.2, the same or different workflow instances and actions could be processed simultaneously on the same record in the following scenarios:

- Users double-clicked a workflow button.
- Users clicked workflow button A, then clicked workflow button B before the record page was automatically refreshed.
- Users clicked workflow button A, then clicked workflow button B, then clicked workflow button C before the record page was automatically refreshed.

 **Note:** A workflow button is a button added by an Add Button action.

Beginning in 2016.2, SuiteFlow prevents workflow instances and actions from processing simultaneously in the previously mentioned scenarios. When users click workflow buttons multiple times, or click a sequence of workflow buttons, SuiteFlow alerts the user and asks if they would like to start processing the action while the previous action is still in progress.

For more information about the Add Button action, see the help topic [Add Button Action](#).

SuiteScript

Refer to the following sections for details on all SuiteScript updates for NetSuite 2016.2:

- [RESTlet Concurrency Governance Change](#)
- [Changes to the REST Roles Service](#)
- [SuiteScript Error Email Aggregation](#)
- [Weekly Timesheets – SuiteScript Impact](#)
- [System Notes Added to Script Record and Script Deployment Record](#)
- [Disabling Scripts Triggered by Web Services and CSV Imports](#)
- [Subsidiary Record User Event Scripts Now Triggered by Company Information UI Changes](#)
- [Work Order Record Changes – Deprecated Field IDs](#)
- [Change to Field IDs on the Account Record Localization Subtab](#)
- [Newly Required Fields for Message Records](#)
- [SuiteScript Support for Payroll Records](#)
- [SuiteScript 2.0 Help Enhancement – SuiteScript 1.0 to SuiteScript 2.0 API Map](#)
- [SuiteScript 2.0 Map/Reduce Performance Enhancements](#)
- [SuiteScript 2.0 Portlet Script Support for Dashboard SuiteApps](#)
- [SuiteScript 2.0 Custom Module Loading by Name](#)
- [SuiteScript 2.0 Full Property Initialization With Options Object](#)
- [SuiteScript 2.0 Sublist API Enhancement](#)
- [SuiteScript 2.0 Client-side Sales Order Based Checkout Support](#)
- [SuiteScript 2.0 Current Record API](#)
- [SuiteScript 2.0 SFTP File Transfer API](#)
- [SuiteScript 2.0 Cache API](#)

- [SuiteScript 2.0 Ad-hoc Client Scripts – Module Path Support](#)
- [SuiteScript 2.0 Methods for Working With Select Options](#)
- [SuiteScript Record Exposures](#)
- [2016.2 SuiteScript Records Browser](#)

RESTlet Concurrency Governance Change



Important: This feature was originally targeted for release in late July, but has now been retargeted for release at a later date. NetSuite will announce the new release date with sufficient notice to accommodate user preparation.

NetSuite is planning to change the way concurrency is tracked for RESTlets. Going forward, concurrency will be tracked **per account**. The previous governance was per user. This change will impact both SuiteScript 1.0 and SuiteScript 2.0 RESTlets.

After this change, if you exceed the recommended number of threads, we will allow it if we have capacity at the time of execution. If not, we will throw an error. You will have to make sure you implement your integration to factor in this variability of throughput.



Note: RESTlet concurrency governance is the same across all account types.

With this change, RESTlet requests that are rejected because an account has exceeded the concurrency governance will result in both of the following:

- HTTP status code 400 Bad Request
- SuiteScript `SSS_REQUEST_LIMIT_EXCEEDED` error

Audit the frequency of your RESTlet requests. If needed, alter your code so that your requests do not exceed the new governance. In addition, monitor your RESTlet requests for their return codes. If a request returns the HTTP status code 400 Bad Request **and** an `SSS_REQUEST_LIMIT_EXCEEDED` error is thrown, re-attempt the request after a delay.

Changes to the REST Roles Service

The following changes have been made to the REST roles service:

- [Customer Center Roles Returned Only for Account-Specific Calls](#)
- [Integrations Must Include Logic for Handling Redirects](#)



Note: For details about the REST roles service, see the help topic [The REST roles Service](#).

Customer Center Roles Returned Only for Account-Specific Calls

Changes have been made to the production version of the REST roles service, which is accessed at URLs such as `https://rest.netsuite.com/rest/roles`. With these changes, the production version of the service now responds in the same way as the release-preview and legacy-sandbox versions of the service.

The changes affect the way the service responds when the NetSuite account ID is omitted from the authorization header. Previously, a call that omitted the NetSuite account ID returned **all** roles associated with the user, across all NetSuite accounts to which the user has access. Now, when the authorization header omits the NetSuite account ID, the service returns all roles **except** the following:

- The Customer Center role.
- Any custom roles that were created based on the Customer Center role.

With the new behavior, if you want the service to return all roles for an account, including Customer Center roles, you must provide a NetSuite account ID in the authorization header. This approach limits the response to one NetSuite account only, but all valid roles for the user are returned, including Customer Center roles (and non-Customer-Center roles).

Integrations Must Include Logic for Handling Redirects

If you have an integration that calls the roles service, you may have to update your integration so that it includes logic to handle redirection. You must make this update for any integration that calls the production version of the roles service using a NetSuite account ID in the authorization header.

This requirement is caused by changes in how NetSuite handles account-specific requests. These requests must now be handled by the same data center that hosts the NetSuite account. For this reason, NetSuite will redirect an account-specific call if it is sent to an instance of the service hosted on a different data center from the one that hosts the NetSuite account.

For example, suppose you are calling the service to retrieve roles information for a user in your NetSuite account. You may not know which data center your account is hosted in, especially if you have never called the roles service before. This knowledge gap is expected. The service is designed so that you can send your request to any of the available URLs for the service. However, if your account is hosted in the EU and you use a URL associated with a North American data center, your request will be redirected. For this reason, your integration must include logic for handling the 302 Found response status code, which is the code used when redirection occurs.

By contrast, if your authorization header omits a NetSuite account ID, the system continues to function as it did before this change. The request is handled without redirection.

Weekly Timesheets – SuiteScript Impact

NetSuite 2016.2 introduces support for a new Weekly Timesheets feature. With this feature, the previously deprecated `timesheet` record is updated and re-released. Note that, by default, this feature is disabled on 2016.2 accounts. You must enable the feature to use it. For additional information, see [Weekly Timesheets](#).

The new `timesheet` record includes changes to the sublist. Most importantly, the sublist no longer contains the `timeentry` subrecord. If you have existing scripts deployed on the deprecated `timesheet` record, NetSuite recommends that you disable these deployments before your account is upgraded to 2016.2. If you enable this feature, all existing script deployments on the `timesheet` record are also enabled. Those scripts that access the sublist or the `timeentry` subrecord may throw exceptions upon execution.



Important: With 2016.2, the new `timesheet` record is fully exposed to SuiteScript. However, NetSuite recommends that you postpone updating existing scripts or creating new scripts for this record. Future releases are targeted to include additional enhancements to the sublist. These enhancements will require significant updates to all `timesheet` script changes implemented for 2016.2.

SuiteScript Error Email Aggregation

SuiteScript is changing the frequency of unhandled error notifications. With this change, error notification email messages are no longer sent for each error occurrence.

Three types of error notifications are now sent:

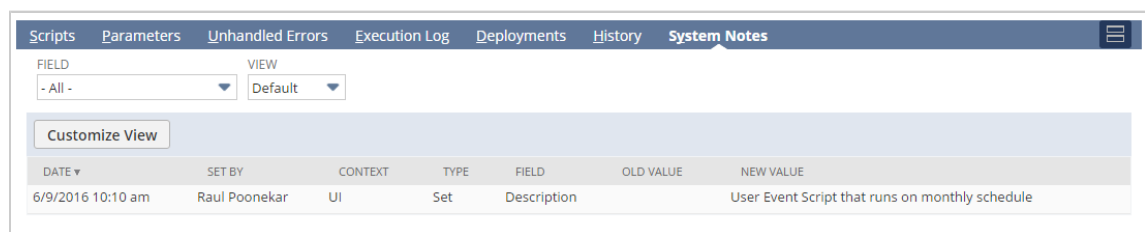
- An initial email is sent about the first occurrence of an error within an hour.
- An email with aggregated error information for every hour is sent. (The error counter is reset when this email is sent.)
- An email is sent about the first 100 errors that have occurred after the error counter is set to 0.

For example, an error is thrown 130 times within an hour. An initial email is sent. After the 100th occurrence, another email is sent. Since there are an additional 30 occurrences within the same hour, a final summary email is sent at the end of the hour. During the second hour, if there are only 50 occurrences of the error, only one summary email is sent at the end of that hour.

System Notes Added to Script Record and Script Deployment Record

With this release, NetSuite is expanding the audit trails of the script and script deployment records. The system notes for these records now track changes made to specific fields. You can now see details such as the user ID of the person who changed a field's value, and the field's previous and new values.

For SuiteScript and plug-ins, new script and deployment records have a System Notes subtab. Existing script and deployment records that already have history associated with them have a History subtab and a System Notes subtab. The History subtab lists logged activity that occurred before this change, and the information on this subtab is no longer updated. After this change, activity is listed on the System Notes subtab.



DATE	SET BY	CONTEXT	TYPE	FIELD	OLD VALUE	NEW VALUE
6/9/2016 10:10 am	Raul Poonekar	UI	Set	Description		User Event Script that runs on monthly schedule

The system note for a change on a script or deployment record captures the following information:

- Date when the change was made
- Who made the change
- Context for the change (for example, UI)
- Type of change, for example, Edit
- Field changed
- Old value
- New value

Disabling Scripts Triggered by Web Services and CSV Imports

As of 2016.2, you can set a preference to disable scripts from being triggered for a specific web services SOAP request or a specific CSV import job. Prior to this release, you could set these preferences only on a company-wide level.

For details about these new capabilities, see [Ability to Control Scripts and Workflows per Request and Change to CSV Preference for Script and Workflow Execution](#).

Subsidiary Record User Event Scripts Now Triggered by Company Information UI Changes

The Company Information page and the root Subsidiary record share information. In OneWorld accounts, if you update shared fields on the Company Information page, the corresponding fields on the root Subsidiary record are also updated. In previous releases, this update did not trigger user event scripts deployed on the Subsidiary record.

With NetSuite 2016.2, any update to the Company Information page now triggers all user event scripts deployed on the Subsidiary record. If your script updates a shared field on the Subsidiary record, the corresponding field on the Company Information page is also updated.

The Subsidiary record is hidden in accounts that are not OneWorld, but the record still exists. You cannot deploy a stand-alone user event script on the Subsidiary record in accounts that are not OneWorld. You can, however, bundle your script and distribute it to these accounts. In this scenario, updates to the Company Information page trigger the execution of the bundled script.

Work Order Record Changes – Deprecated Field IDs

NetSuite 2016.2 deprecates the createpo and createwo field IDs and replaces them with the new itemsource field ID. The itemsource field is a select field on the item sublist. With this field, users can specify whether the item is taken from stock, is a phantom, or is created from a work order or purchase order. The deprecated fields are replaced on the workorder record.

This change does not impact the majority of existing scripts that access createpo and createwo. In most scripts, the deprecated field IDs are automatically mapped to the new field ID. There are, however, three scenarios where existing scripts are impacted.

What is Changed

- The following field IDs on the item sublist are deprecated on the workorder record:
 - createwo
 - createpo
- The deprecated field IDs are replaced with the field ID itemsource.
- Scripts that use the following APIs to access createwo and createpo return exceptions:
 - SuiteScript 1.0
 - `nlapiSetLineItemValue(type, fldnam, linenum, value)`
 - `nlapiSetCurrentLineItemValue(type, fldnam, value, firefieldchanged, synchronous)` with the `firefieldchanged` parameter set to false.
 - SuiteScript 2.0
 - `Record.setCurrentSublistValue(options)`

Recommended Action




- SuiteScript 1.0 Scripts

- Audit your code for calls to `nlapiSetLineItemValue` that access the `createwo` or `createpo` field ID on the `workorder` record.
- Audit your code for calls to `nlapiSetCurrentLineItemValue` that access the `createwo` or `createpo` field ID on the `workorder` record. Limit your search to calls where the `firefieldchanged` argument is `false`.
- Change the field ID passed to the `fldnam` parameter from `createwo` or `createpo` to `itemsourse`.
- SuiteScript 2.0 Scripts
 - Audit your code for calls to `Record.setCurrentSublistValue` that access the `createwo` or `createpo` field ID on the `workorder` record.
 - Change the field ID passed to the `options.fieldId` parameter from `createwo` or `createpo` to `itemsourse`.

Change to Field IDs on the Account Record Localization Subtab

The Statutory Chart of Accounts feature has renamed the `translation` subtab of the account record to `localization`. The `localization` subtab includes fields that did not exist on the `translation` subtab. It also excludes fields that did exist on the `translation` subtab. If the Multi-Language feature is enabled in your account and you have created scripts that reference the fields included on the `translation` subtab, these scripts may no longer perform as expected. Please audit your scripts and make modifications as needed.

The following IDs have been affected:

Type	2016.1 ID	2016.2 ID
Field		<code>accountingcontext</code> <div>  Important: At least one Accounting Context must exist in your system to use this field. </div>
Field		<code>acctnumber</code> <div>  Important: The Use Account Numbers accounting preference must be enabled to use this field. </div>
Field	<code>language</code>	Deprecated <div>  Tip: You can obtain the same information from the <code>locale</code> field in 2016.2. It has been enhanced to include both <code>locale</code> and <code>language</code>. For example, <code>nlapiGetLineItemValue('localizations', 'locale', 1)</code> returns <code>de_DE</code> and <code>nlapiGetLineItemText('localizations', 'locale', 1)</code> returns <code>German</code>. </div>
Field	<code>locale</code>	<code>locale</code>
Field	<code>name</code>	<code>acctname</code>
Sublist	<code>translation</code>	<code>localization</code>
Machine	<code>translations</code>	<code>localizations</code>

Sample Script Changes

The following examples add the translation of the account name for one specific language (German).

2016.1

```
var acct = nlapiLoadRecord('account', 1);
for (var line = 1 ; line <= acct.getLineItemCount('translations'); line++) {
    if (acct.getLineItemValue('translations', 'locale', line) === 'de_DE') {
        acct.setLineItemValue('translations', 'name', line, 'Schecks');
        break;
    }
}
nlapiSubmitRecord(acct);
```

2016.2

```
var acct = nlapiLoadRecord('account', 1);
acct.selectNewLineItem('localizations');
acct.setCurrentLineItemValue('localizations', 'locale', 'de_DE');
acct.setCurrentLineItemValue('localizations', 'acctname', 'Schecks');
acct.commitLineItem('localizations');
nlapiSubmitRecord(acct);
```

Newly Required Fields for Message Records

NetSuite 2016.2 includes some changes to the message record. These changes have resulted in a new requirement for creating a message. An entity that is defined as the author or recipient for a newly created message must have an associated email in NetSuite. If the NetSuite record for an entity defined as the author of a message does not include an email, the `authoremail` field must be defined on the message record. If the NetSuite record for an entity defined as the recipient of a message does not include an email, the `recipientemail` field must be defined on the message record. Prior to 2016.2, the `authoremail` and `recipientemail` fields were never mandatory for the message record.

SuiteScript Support for Payroll Records

The following table lists the payroll records supported by SuiteScript as of 2016.2. The Payroll, Payroll Service, and Enhanced Premier Payroll features must be enabled to script with these records.

Scripting level describes the functions supported. A full scripting level means that the record can be created, updated, copied, deleted, and searched using SuiteScript.

Note: Some fields are read-only. The general rule is that if you can set a field in the UI, you can set it in SuiteScript. If you cannot set a field in the UI, you cannot set it using SuiteScript. You can, however, still get the field's value using SuiteScript.

Record Name	Record ID	Record Category	Scripting Level	Scriptable in Client SuiteScript	Scriptable in Server SuiteScript
Paycheck	paycheck	Transaction	Read, edit, and delete only.	X	X

Record Name	Record ID	Record Category	Scripting Level	Scriptable in Client SuiteScript	Scriptable in Server SuiteScript
Workplace	workplace	Other	Full	X	X

To learn more about these records, see the help topics [Creating a Payroll Batch with Enhanced Premier Payroll](#), [Adding Employees to a Payroll Batch](#), and [Entering Workplace Records for Payroll](#).

SuiteScript 2.0 Help Enhancement – SuiteScript 1.0 to SuiteScript 2.0 API Map

The SuiteScript 2.0 help now includes new topics that map SuiteScript 1.0 APIs to their corresponding SuiteScript 2.0 APIs. Keep the following in mind when using these mappings:

- Some SuiteScript 1.0 APIs do not have a SuiteScript 2.0 equivalent.
- There is not always a one to one mapping between SuiteScript 1.0 and SuiteScript 2.0. Each SuiteScript 1.0 API is listed only one time, but it may map to several SuiteScript 2.0 APIs.
- These mappings **do not include** new SuiteScript 2.0 functionality. To find new SuiteScript 2.0 functionality, go to [SuiteScript 2.0 Modules](#). The table includes a description of, and link to, each module.

These topics group SuiteScript 1.0 APIs into functions (prefixed with “nlapi”) and objects (prefixed with “nlobj”). All functions are listed alphabetically in one table. Whereas objects and their members are grouped alphabetically by object name. Each object has its own table containing all object members.

- [SuiteScript 1.0 to SuiteScript 2.0 API Map – Functions \(nlapi\)](#)
- [SuiteScript 1.0 to SuiteScript 2.0 API Map – Objects \(nlobj\)](#)



Important: These topics are a work in progress, and some items do not currently have content. Additional updates are forthcoming.

SuiteScript 2.0 Map/Reduce Performance Enhancements

NetSuite 2016.2 introduces additional settings that help you optimize queue usage and data processing when you deploy map/reduce scripts. These new settings are accessible from the script deployment record.

Run Additional Scripts Between Map/Reduce Stages

Prior to this release, when a map/reduce script was deployed, the stages were processed continuously (if no yielding occurred). If the account used SuiteCloud Plus and the script was deployed to multiple queues, queues were idle during the getInput and shuffle stages.

This release includes the option to allow gaps between map/reduce stages so that other scripts can run in the queue. By default, the stages can run continuously.

For more information, see the help topic [Allowing Other Scripts to Run During Map/Reduce Script Execution](#).

Set the Number of Map and Reduce Outputs that are Stored Simultaneously

NetSuite 2016.2 introduces a buffer for the map/reduce script type. Prior to this release, database storage of map and reduce outputs resulted in significant overhead. The new buffer enables you

to specify the number of outputs stored simultaneously. This value is set on the map/reduce script deployment record.

When the script executes, the buffer is applied to the map and reduce entry point functions. The map/reduce buffer can be set to one of the following values: 1, 2, 4, 8, 16, 32, or 64. This value determines when the data is stored. For example, a buffer size of 4 would result in data being stored after every fourth map or reduce function.


When you set the buffer size, you must strike a balance between performance and the risk of data loss. The higher you set the buffer size, the lower the overhead but the greater the risk of data loss. Higher buffer values are recommended for fast, algorithmic operations. Higher buffer values are not recommended for record handling operations. In case of application server crash, functions without output data stored have to be repeated, and the repeat of record handling operations may result in duplicate data being saved. To avoid this situation, make sure to use a lower buffer value for record handling operations.

For more information, see the help topic [Optimizing Processing Speed during Map and Reduce Stages](#).

SuiteScript 2.0 Portlet Script Support for Dashboard SuiteApps

As of 2016.2, a new type of portlet, called dashboard SuiteApp, is available from the Personalize Dashboard menu. A user can add this type of portlet to their dashboard to get direct access from the portlet to a SuiteApp installed in their account. This type of portlet is available for installed SuiteApps that include a dashboard component. As part of this feature, you can write portlet scripts that can be bundled to provide dashboard components for your SuiteApps. This feature not only supports the creation of scripts to provide content for dashboard SuiteApps portlets. It also enables you to include your choice of graphics as branding for the icons that are shown for dashboard SuiteApp portlets in the Personalize Dashboard window.

To create custom content for a dashboard SuiteApp portlet, you must use SuiteScript 2.0. You can write portlet script code and set up the script record in the same manner as you would for any other 2.0 portlet script. You must complete additional steps when you set up the script deployment. On the script deployment record, you should indicate that a portlet script is designed for use in dashboard SuiteApp portlets. A new **Dashboard SuiteApp** check box is available on the script deployment record. Check this box if the script should be shown in the SuiteApps section of the Personalize Dashboard window. The script deployment record also includes a new **Icon** dropdown list where you can upload the file for the graphic that you want to be displayed for this dashboard SuiteApp portlet in the Personalize Dashboard window.

 **Note:** Only SVG images are supported for the icon. SVG is a vector format, so it assures perfect image scalability

For additional information about portlet scripts and dashboard SuiteApp icons, see the help topic [Portlet Script Type](#).

For information about how users can add this new type of portlet to their dashboards, see [Dashboard SuiteApp Portlets](#).

For information about bundling this new type of portlet, see [Support for Bundling Dashboard SuiteApp Portlets](#).

SuiteScript 2.0 Custom Module Loading by Name

You can now load your custom modules by name instead of file path. This approach is more standard and enables better integration with third-party libraries such as jQuery and Moment.


Use the [require Configuration](#) `paths` parameter to define the module name and path. Load the custom module in your SuiteScript 2.0 script by passing the name to the [define Function](#).


For a code sample and more information, see the help topic [Naming a Custom Module](#).

SuiteScript 2.0 Full Property Initialization With Options Object

As of 2016.2, SuiteScript enables you to initialize all property values for objects created with the following factory methods:

- `file.create(options)`
- `search.create(options)`
- `search.createColumn(options)`
- `search.createFilter(options)`
- `task.create(options)`

 **Note:** A factory method is a method that creates an object.

 **Important:** If you attempt to pass in property values to a factory method that does not support this feature, the property values are ignored. The method does not throw an error.

The following example shows how to create a search. You can now use objects that represent columns and search filters during the Search object initialization.

```
/**
 * @NApiVersion 2.0
 */
require(['N/search'],
function(search) {
    function createAnotherSearch() {
        var mySalesOrderSearch = search.create({
            type: 'salesorder',
            title: 'My Second SalesOrder Search',
            id: 'customsearch_my_second_so_search',
            columns: [
                {name: 'entity'},
                {name: 'subsidiary'},
                {name: 'name'},
                {name: 'currency'}
            ],
            filters: [{
                name: 'mainline',
                operator: 'is',
                values: ['T']
            }]
        });
        mySalesOrderSearch.save();
    }
    createAnotherSearch();
});
```

The following example shows how to create and submit a map reduce script job. You can now use the `scriptId` and `deploymentId` parameters during the Task object initialization. These parameters are unique to map reduce scripts and scheduled scripts.

```
/**
 * @NApiVersion 2.0
 */
require(['N/task', 'N/runtime', 'N/email'],
function(task, runtime, email) {
    function createAndSubmitMapReduceJob() {
        var mapReduceScriptId = 34;
        log.audit('mapreduce id: ',
            mapReduceScriptId);
        var mrTask = task.create({
            taskType: task.TaskType.MAP_REDUCE,
            scriptId: mapReduceScriptId,
            deploymentId: 1
        });

        var mrTaskId = mrTask.submit();
        var taskStatus = task.checkStatus(mrTaskId);
        if (taskStatus.status === 'FAILED') {
            var authorId = -5;
            var recipientEmail = 'notify@myCompany.com';
            email.send({
                author: authorId,
                recipients: recipientEmail,
                subject: 'Failure executing map/reduce job!',
                body: 'Map reduce task: ' + mapReduceScriptId + ' has failed.'
            });
        }
    }
    createAndSubmitMapReduceJob();
});
```

SuiteScript 2.0 Sublist API Enhancement

The new `Record.getCurrentSublistField(options)` method enables you to access field metadata on a sublist line. This method returns a `record.Field` object. For a list of `record.Field` methods and properties, see the help topic [Field Object Members](#). Note that `Record.commitLine(options)` must be called to persist all changes made to field metadata.



Important: This method is only supported on records created, loaded, copied, or transformed in dynamic mode. For additional information on dynamic mode, see the help topic [record.Record](#).

The `Record.getCurrentSublistField(options)` method takes in the following parameter values:

- The sublist ID as a string
- The field ID as a string

The above parameters are required. The method throws an `SSS_MISSING_REQD_ARGUMENT` error if either value is missing.

```

require(['N/record'],
function(record){
    var rec = record.create({
        type: 'salesorder',
        isDynamic: true
    });
    rec.setValue({
        fieldId: 'entity',
        value: 107
    });

    rec.selectNewLine({
        sublistId: 'item'
    });
    rec.setCurrentSublistValue({
        sublistId: 'item',
        fieldId: 'item',
        value: 39
    });
    var sublistField = rec.getCurrentSublistField({
        sublistId: 'item',
        fieldId: 'item'
    });
    sublistField.isMandatory = false;
    rec.commitLine({
        sublistId: 'item'
    });

    // Try to read sublist field attribute
    rec.getSublistField({
        sublistId: 'item',
        fieldId: 'item',
        line: 0
    }).isMandatory // false

    var recordId = rec.save();
});

```

SuiteScript 2.0 Client-side Sales Order Based Checkout Support

With NetSuite 2016.2, SuiteScript 2.0 adds support for client-side sales order based checkout, also known as Scriptable Cart. Users can now use SuiteScript 2.0 to create client scripts that execute on the sales order record during web store checkout.

For general information about this kind of scripting, see the help topic [Scriptable Cart](#).

SuiteScript 2.0 Current Record API

The new `N/currentRecord` module provides access to the record instance on which your client script is currently executing.

The module contains two methods, `currentRecord.get()` and `currentRecord.get.promise()`, that retrieve the current record instance for use in client-side scripts to access the current record.

The `currentRecord.CurrentRecord` object instance is still passed to client script entry points with the script context parameter.

The `currentRecord.CurrentRecord` object has similar functionality to the `record.Record` object with a few exceptions. The `currentRecord.CurrentRecord` object can access additional body or sublist field properties. Subrecords retrieved through the `currentRecord.CurrentRecord` object are accessible in view mode.


For more information, see the following topics:

- [N/currentRecord Module](#)
- [Client Script Type](#)
- [Accessing Field Properties in a CurrentRecord Instance](#)

SuiteScript 2.0 SFTP File Transfer API

SuiteScript 2.0 now provides support for SFTP (Secure File Transfer Protocol). This feature enables you to securely transfer files between NetSuite and external FTP (File Transfer Protocol) servers. SFTP is a protocol packaged with SSH (Secure Shell). It is similar to FTP, but files are transferred over a secure connection. Server authorization requires a password GUID (Globally Unique Identifier) and a DSA (Digital Signature Algorithm), ECDSA (Elliptical Curve Digital Signature Algorithm), or RSA (cryptosystem) host key.

Use the [N/sftp Module](#) to connect to a remote server and transfer files. This new module is supported in all server-side scripts.

 **Note:** The `Connection.upload(options)` and `Connection.download(options)` methods each have a governance of 100 usage units per execution. You can upload or download only one file per method call.

SuiteScript 2.0 Cache API

As of 2016.2, SuiteScript 2.0 lets you optimize performance by using a cache module. You use the `N/cache` module to load data into a cache and make it available to one or more scripts. With this approach, you reduce the amount of time required for retrieving data. This module supports all server-side script types.

The `N/cache` module has two members:

- `cache.getCache(options)` - You use this method to create a cache object.
- `cache.Cache` - This object represents the cache you create and its properties.

The `cache.Cache` object includes methods such as `Cache.get()`, `Cache.put()`, and `Cache.remove()`. These methods let you manipulate data in the cache.

When you create a `cache.Cache` object, you can define its scope. The scope determines whether the cache is available to a single script only, to a bundle, or to all scripts running in your account:

Keyword	Scope
PRIVATE	Cache entries are only accessible to the current script.

PROTECTED	Cache entries created by scripts that belong to bundles are accessible only to scripts in the same bundle. Cache entries created by scripts that do not belong to bundles are accessible to any script in your account that does not belong to a bundle.
PUBLIC	Cache entries are accessible to any script running in your account.

Another key aspect of manipulating data relates to the `Cache.get()` method's loader parameter. You use this parameter to reference a loader function that is user-defined. This function should provide some logic for retrieving a value that is not in the cache. Whenever `Cache.get()` attempts to retrieve a value that is not already in the cache, the loader function is called. Additionally, whenever the loader function retrieves a value, NetSuite automatically puts that value into the cache. This approach to populating a cache is considered more efficient than an approach that relies on the `Cache.put()` method.

Defining a loader function is not required but strongly recommended. If a value is not present in the cache and no loader function has been specified, the value returned is null.

Other highlights of this module include the following:

- Both the `Cache.get()` and `Cache.put()` method have a TTL (time to live) parameter. You use this parameter to specify, roughly, the minimum duration for which you want the value to remain in the cache. However, values are not guaranteed to stay in the cache for the duration represented by the TTL parameter.
- When you use the `Cache.get()` method to retrieve a value from the cache, and that value already exists in the cache, the get is considered a cache hit. If you use this method to retrieve a value that is not already stored in the cache, the get is considered a miss. These actions have different governance expenses. A hit costs 1 usage unit. A miss costs 2 usage units.
- Any value placed in the cache is first converted to a string by using `JSON.stringify()`. For this reason, make sure you provide your loader function with values that can be converted into strings. Values added to the cache by using the put method are also converted into strings.

SuiteScript 2.0 Ad-hoc Client Scripts – Module Path Support

In previous releases, if you were required to attach a SuiteScript 2.0 ad-hoc client script to a form, list, or assistant in a server-side script, you referenced its script ID. You can now also reference ad-hoc client scripts by module path. This feature enables you to bundle these scripts without encountering issues or limitations associated with client script file ID references.

To support this feature, the [N/ui/serverWidget Module](#) includes three new properties that hold the module path for your ad-hoc client script:

- `Assistant.clientScriptModulePath`:** This property is supported in portlet scripts.
- `Form.clientScriptModulePath`:** This property is supported in user event scripts, portlet scripts, and Suitelets.
- `List.clientScriptModulePath`:** This property is supported in portlet scripts.

You can attach an ad-hoc client script by module path or by internal ID, but you cannot use both. If you attempt to set both the `clientScriptModulePath` and `clientScriptFileId` properties, your script throws the following error:

```
PROPERTY_VALUE_CONFLICT: You can set the <clientScriptFilePath-property-name> property value or the <clientScriptFileId-property-name> property value, but not both.
```

SuiteScript 2.0 Methods for Working With Select Options

SuiteScript 2.0 now offers expanded support for working with select and multiselect fields that were created by a front-end Suitelet or beforeLoad user event script. These methods are similar to the following 1.0 APIs:

- `nlapiInsertSelectOption`
- `nlapiInsertLineItemOption`
- `nlapiRemoveSelectOption`
- `nlapiRemoveLineItemOption`

The new methods, `Field.insertSelectOption(options)` and `Field.removeSelectOption(options)`, are part of the `currentRecord` module. Because these methods operate at the field level, they can be used with either body fields or sublist fields.

As with the 1.0 APIs, the new methods work only in client scripts, and only on fields whose IDs begin with the prefix **custpage**.

For details, see the help topics [Field.insertSelectOption\(options\)](#) and [Field.removeSelectOption\(options\)](#).

SuiteScript Record Exposures

Record Type	Newly Exposed/Update	Notes
Account	Update	See Change to Field IDs on the Account Record Localization Subtab .
Accounting Context	Newly Exposed	Available in OneWorld accounts only. The script user must have the Setup Company permission with Full permission level. Read, create, edit, copy, delete, and search actions are supported.
Allocation Schedule Intercompany Allocation Schedule	Newly Exposed	Available when the Accounting Periods and Expense Allocation features are enabled. Intercompany allocation schedule is available in OneWorld accounts only.
Billing Account	Newly Exposed	For information about working with this record, see Working with Billing Accounts .
Billing Rate Card	Newly Exposed	Available when the Billing Rate Cards, Per-Employee Billing Rates, and Charge-Based Billing features are enabled. Copy and transform actions are not supported. Read, create, update, delete, and search actions are supported.
Commerce Category	Newly Exposed	Available when the Commerce Category feature is enabled. Only server SuiteScript is supported. Attach, copy, and transform actions are not supported.
Consolidated Exchange Rate	Newly Exposed	Available when the Multiple Currencies feature is enabled.

Record Type	Newly Exposed/Update	Notes
		Create and delete actions are not supported. Read, update, and search are supported.
Credit Card Charge Credit Card Refund	Newly Exposed	Only server SuiteScript is supported. Scripting on the client is not supported for these record types.
Paycheck Workplace	Newly Exposed	Available when the Payroll, Payroll Service, and Enhanced Premier Payroll features are enabled. For more information, see SuiteScript Support for Payroll Records .
Work Order	Update	See Work Order Record Changes – Deprecated Field IDs .

2016.2 SuiteScript Records Browser

The 2016.2 version of the [SuiteScript Records Browser](#) is now available. You can find links to the 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 NetSuite Help Center, you can find an index of these pages in the [SuiteScript Supported Records](#) help topic. Each reference page is also included in SuiteScript Developer and Reference Guide, which can be downloaded from the [User Guides](#) topic.

SuiteScript Records Browser Enhancements

The 2016.2 SuiteScript Records Browser includes the following enhancements:

- Each subrecord summary field on a record page now includes a link to the subrecord page. For example, on the Sales Order page of the Records Browser, the billingaddress and shippingaddress fields include links to the address subrecord page.
- Browser pages now include two new labels for applicable records:
 - Search Only — appears on pages for records that do not support SuiteScript actions other than search.
 - Supports Deleted Record Search — appears on pages for records that can be used as filters for the deleted record search.
- A new Deleted Record page has been added to the Records Browser. This page lists the columns and filters available for SuiteScript deleted record searches.

SuiteTalk (Web Services) Integration

Refer to the following sections for details on all SuiteTalk (Web Services) updates for NetSuite 2016.2:

- [Ability to Control Scripts and Workflows per Request](#)
- [UI Search Support for Web Services Log Details](#)
- [Integration Application Permissions](#)
- [Permission for Accessing Web Services Logs](#)

- Newly Supported Record Types for SuiteTalk
- useBin field exposed for the Location Record
- Search Supported for the Cost Category Record
- Custom Segments Supported for the Budget Record
- Update to the Message Record
- getConsolidatedExchangeRate Support for Multi-Book Accounting
- Enhancement to Advanced Search Responses for externalId Values
- Changes to the GroupMemberSearchBasic Complex Type
- Changes to the Translation Sublist on the Account Record
- Web Services Support for Weekly Timesheets Feature
- Change in Initialization of Deposit Application Record from Customer Deposit Record
- Change in Initialization of Item Receipt from Transfer Order Record
- 2016.2 WSDL Now Available
- Araxis Merge Diff File for the 2016.2 Endpoint
- 2016.2 SuiteTalk Schema Browser

Ability to Control Scripts and Workflows per Request

Server scripts and workflow triggers may all be triggered by any data change, including updates made through web services. Prior to the 2016.2 endpoint, your only option for managing whether web services requests would trigger these changes was through an option that you set in the UI, on the Web Services Preferences page.

When you upgrade to the 2016.2 endpoint, you can control SuiteScript and workflows per request using the new SOAP header preference, **runServerSuiteScriptAndTriggerWorkflows**. If you do not include this preference in a request, the company preference set on the Web Services Preference page is used. If you include this preference in the request, it overrides the company preference set in the UI.

The preference is set in a request in the following way:

```
<runServerSuiteScriptAndTriggerWorkflows>true</runServerSuiteScriptAndTriggerWorkflows>
```

If a user does not have permission to set this preference within a request, the request fails. For details, see [New Permission for Controlling SuiteScript and Workflow Triggers](#).



Important: NetSuite recommends that you carefully consider potential data issues before using this header to override your company setting.

As part of this feature, the Web Services Preferences page has been enhanced for greater clarity. The **Disable Server SuiteScript and Workflow Triggers** is now called **Run SuiteScript and Trigger Workflows**. This preference enables server SuiteScripts and workflows, and is selected by default. If this preference is not selected, all scripts and workflows are disabled.



Note: As part of this change, the option to use client scripts on the deposit record has been removed. If you have client scripts enabled currently for deposit records in your account, they will still run. However, if you enable server scripts, client scripts are disabled permanently and cannot be re-enabled.

For details, see the help topic [Setting Web Services Preferences](#).

New Permission for Controlling SuiteScript and Workflow Triggers

NetSuite 2016.2 includes a new permission related to the new preference for the [Ability to Control Scripts and Workflows per Request](#), called Control SuiteScript and Workflow Triggers in Web Services Request. This permission is a Setup type permission. A user must have the Full level of this permission to set the new SOAP header preference for controlling scripts and workflow triggers per request. If a user with insufficient permissions sends a request with this preference set, the request fails with the following error:

```
<platformFaults:code>INSUFFICIENT_PERMISSION</platformFaults:code>
<platformFaults:message>You do not have permission to control SuiteScript and Trigger Workflows
in Web Services Request.</platformFaults:message>
```

The global preference applies to requests sent by users who do not have permission to set a request-level preference.

UI Search Support for Web Services Log Details

As of 2016.2, you can access web services log information through searches in the NetSuite UI. You can set up results columns and filter data to return only the details you need. These searches support analysis of web services operations and record updates.

You can create web services log searches at Reports > Saved Searches > All Saved Searches > New. The following new search types are available:

- **Web Services Operations** – Use this type of search to return and analyze information about web services operations per SOAP message.
- **Web Services Record Processing** – Use this type of search to return and analyze information about details of add, update, and delete operations on records in NetSuite.

Each new search type includes join fields to the other search type, so the two new search types can be joined for a more comprehensive web services log search.

Note the following:

- Web services execution log items are retained for one month. As a result, searches do not return data older than one month.
- Results for these searches are limited to log items created as of 2016.2. Log items created prior to this release are not included.

For details, see the help topic [Searching for Web Services Log Information](#).

Permissions for Accessing Web Services Log Details Searches

Three new permissions have been added to NetSuite 2016.2 for the [UI Search Support for Web Services Log Details](#) in the UI.

- The Reports type Integration permission provides access to the **Integration** field in the Web Services Operations search.
- The Setup type Integration Application permission provides access to the **Request** and **Response** fields in the Web Services Operations search.

- The Setup type Set Up Web Services permission provides access to the Web Services Record Processing search.

For details about these searches, see the help topic [Searching for Web Services Log Information](#).

Integration Application Permissions

NetSuite 2016.2 includes two new permissions that make it possible for users other than administrators to view and manage integration records.

The List type Integration Applications permission provides view access to the Integrations list page.

The Full level of the Setup type Integration Application permission provides the ability to view, edit, and create integration records. This permission also provides access to the **Request** and **Response** fields in the Web Services Operations search.

For details about integration records, see the help topic [Managing Integrations](#).

For details about web services searches, [Searching for Web Services Log Information](#).

Permission for Accessing Web Services Logs

NetSuite 2016.2 includes a new Setup type permission for accessing the [Using the Web Services Usage Log](#) and the [Monitoring Asynchronous Jobs from the UI](#), named View Web Services Logs. This new separate permission allows users other than administrators to access and view the Web Services Usage Log and the Web Services Process Status.

Newly Supported Record Types for SuiteTalk

Newly Supported Record Type	Category	Notes
Billing Account	List	<ul style="list-style-type: none"> ■ A billing account is a record used to show all billing information for a customer or subcustomer. A billing account contains billing-specific information, including billing schedule, default payment terms, bill-to address, and currency. ■ To enable Billing Accounts, you must first enable: <ul style="list-style-type: none"> □ Consolidate Projects on Sales Transactions (Setup > Accounting > Accounting Preferences > Items/ Transactions subtab > Sales & Pricing > Consolidate Projects on Sales Transactions). □ Charge Based Billing (Setup > Company > Enable Features > Transactions subtab > Billing > Charge Based Billing). ■ After enabling both prerequisites, enable Billing Accounts by going to Setup > Company > Enable Features > Transactions subtab > Billing > Billing Accounts. ■ Access Billing accounts from Lists > Relationships > Billing Accounts or by clicking New on the Billing Account subtab on the Customer record.

Newly Supported Record Type	Category	Notes
-----------------------------	----------	-------

- To interact with billing accounts, use the `BillingAccount` complex type, which is defined in the [relationships](#) XSD.

useBin field exposed for the Location Record

The 2016.2 endpoint exposes the following field for the location record:

Field	Label in UI	Description
<code>useBins</code>	Use Bins	If the Multi-Location Inventory and Advanced Bin Management features are enabled, you can use this boolean field to track inventory for the location.

For details, see the Schema Browser's [location](#) reference page.

Search Supported for the Cost Category Record

The 2016.2 endpoint supports advanced and basic searches for the cost category record.

The `costCategorySearch` and `CostCategorySearchAdvanced` complex types are in the [accounting](#) XSD. `CostCategorySearchBasic` is defined in the [common](#) XSD.

For details about searches, see the help topics [Basic Searches in Web Services](#) and [Advanced Searches in Web Services](#).

Custom Segments Supported for the Budget Record

As of 2016.2, a custom segment can be applied to a budget record, so that budgets can be created for selected segments. To support this capability, the 2016.2 endpoint adds support for the `CustomFieldList` property on budget records. You can set a custom segment value for a budget record by setting its `CustomFieldList` property.

You cannot use web services to create a custom segment. However, you can use web services to add, delete, and update segment values.

`CustomJoin` has been added to `BudgetSearch` and `BudgetSearchRow`. As of the 2016.2 endpoint, you can search for custom fields on budget record custom segments. `BudgetSearch` and `BudgetSearchRow` are in the [common](#) XSD.

Note: Custom fields cannot be added to the budget record, only custom segments.

For details, see the help topics [Working With Custom Segment Values](#), [Using CustomFieldList to Set Custom Segment Values](#) and [CustomFieldList](#).

Update to the Message Record

Field	Label in UI	Description
-------	-------------	-------------

authorEmail	(From) Email Address	A string that includes the email address of the person writing the email. This email address is displayed as the From address in the email message that is sent to the recipient.
recipientEmail	(To) Email Address	A string that includes the email address of the person receiving the email. This email address is the address to which the email message is sent.

These two fields are required if the From and Attach to entity records do not have an email address specified. In this case, if you attempt to create a message without these fields specified, the request fails with a message stating that there are missing mandatory fields.

For details, see the Schema Browser's [message](#) reference page.

getConsolidatedExchangeRate Support for Multi-Book Accounting

In previous endpoints, the getConsolidatedExchangeRate operation could only be used to return results for the primary accounting book, even if the Multi-Book Accounting feature was enabled.

As of the 2016.2 endpoint, results for the getConsolidatedExchangeRate operation can include values for the book field. Results can also be filtered by this field.

- If the Multi-Book Accounting feature is enabled:
 - If the book is not set in the request, getConsolidatedExchangeRate returns values for all accounting books that have the Enable Consolidation option selected.
 - If the book is set in the request, getConsolidatedExchangeRate returns values for the specified accounting book.
- If the Multi-Book Accounting feature is not enabled:
 - If the book is set in the request, getConsolidatedExchangeRate returns an error with the code = "FEATURE_DISABLED" and the message = "The "Multi-Book Accounting" feature is not enabled in your NetSuite account."
 - Book is not part of the response.

Enhancement to Advanced Search Responses for externalId Values

The attribute in which the value of the externalId is returned for advanced searches has changed in the 2016.2 endpoint.

In 2016.1 and earlier endpoints, the value of externalId is returned as an internalid attribute.

In the 2016.2 endpoint, the value of externalId is returned as an externalid attribute.

The following SOAP snippets illustrate this change.

2016.1 SOAP Request

```
<platformCore:searchRow xsi:type="listRel:CustomerSearchRow" xmlns:listRel="urn:relationships_2016_1.lists.webservices.netsuite.com">
```

```

<listAcct:basic xmlns:platformCommon="urn:common_2016_1.platform.webservices.netsuite.com">

  <platformCommon:externalId>
    <platformCore:searchValue internalId="VHEXTCC001"/>
  </platformCommon:externalId>
  <platformCommon:internalId>
    <platformCore:searchValue internalId="2"/>
  </platformCommon:internalId>
</listRel:basic>
</platformCore:searchRow>

```

2016.2 SOAP Request

```

<platformCore:searchRow xsi:type="listAcct:AccountSearchRow" xmlns:listAcct="urn:accounting_2016_2.lists.webservices.netsuite.com">
  <listAcct:basic xmlns:platformCommon="urn:common_2016_2.platform.webservices.netsuite.com">
    <platformCommon:externalId>
      <platformCore:searchValue externalId="VHEXTCC001"/>
    </platformCommon:externalId>
    <platformCommon:internalId>
      <platformCore:searchValue internalId="2"/>
    </platformCommon:internalId>
  </listAcct:basic>
</platformCore:searchRow>

```

Changes to the GroupMemberSearchBasic Complex Type

When you search for members of a dynamic group, you must use the GroupMemberSearchBasic complex type.

The 2016.2 endpoint makes the following changes to the GroupMemberSearchBasic complex type:

- The groupId filter type has changed from SearchMultiSelectField to RecordRef.
- groupMember value has been removed from the SearchRecordType enumeration.

For details, see the help topic [Group \(Entity Group\)](#).

The following SOAP snippets illustrate the difference between the GroupMemberSearchBasic complex type in the 2016.1 and 2016.2 endpoints.

2016.1 SOAP Request

```

<soapenv:Body>
  <search xmlns="urn:messages_2016_1.platform.webservices.netsuite.com">
    <searchRecord xsi:type="ns7:GroupMemberSearchBasic" xmlns:ns7="urn:common_2016_1.platform.webservices.netsuite.com">
      <ns7:groupId operator="anyOf" xsi:type="ns8:SearchMultiSelectField" xmlns:ns8="urn:core_2016_1.platform.webservices.netsuite.com">
        <ns8:searchValue internalId="163" xsi:type="ns8:RecordRef"/>
      </ns7:groupId>
    </searchRecord>
  </search>

```

```
</search>
</soapenv:Body>
```

2016.2 SOAP Request

```
<soapenv:Body>
  <search xmlns="urn:messages_2016_2.platform.webservices.netsuite.com">
    <searchRecord xsi:type="ns7:GroupMemberSearchBasic" xmlns:ns7="urn:common_2016_2.platform.webservices.netsuite.com">
      <ns7:groupId internalId="163" xsi:type="ns8:RecordRef" xmlns:ns8="urn:core_2016_2.platform.webservices.netsuite.com"/>
    </searchRecord>
  </search>
</soapenv:Body>
```

Changes to the Translation Sublist on the Account Record

An update to the Statutory Chart of Accounts feature has caused changes to the account record. For details on this feature, see [Statutory Chart of Accounts](#).

The changes to this record in the UI have resulted in changes to the account record in the 2016.2 endpoint and in special handling for this record in older endpoints.

Changes to the Account Record in the 2016.2 Endpoint

The 2016.2 endpoint includes the following changes to the account record's translation sublist:

- The translation sublist has been renamed to localization. This sublist is not keyed.
- The accountingContext field has been added. At least one Accounting Context must exist in your account for this field to be available. This field is only available for OneWorld accounts.
- The acctNumber field has been added. The Use Account Numbers accounting preference must be enabled for this field to be available. This field is only available for OneWorld accounts.
- The name field has been renamed to acctName.
- The language field has been deprecated.
 - The locale field is used in place of the language field.
 - Languages listed on the Setup > Company > General Preferences page's Languages tab are possible values for the locale field.

The same conditions for editing an account record in the UI apply to web services. For information about working with the account record in the UI, see the help topic [Editing an Account](#).

For code samples, see the help topic [Account](#).

Special Handling for the Account Record in Earlier Endpoints

In 2016.1 and earlier endpoints:

- get operations on the localization sublist only return lines that have null values for the accountingContext and acctNumber fields.
- You cannot set values for the accountingContext and acctNumber fields in the localization sublist.

Web Services Support for Weekly Timesheets Feature

The 2016.2 endpoint includes support for the Weekly Timesheets feature that was newly added in NetSuite 2016.2. The Weekly Timesheets feature works in conjunction with the Time Tracking feature, as described in [Weekly Timesheets](#).

The TimeBill record used for the Time Tracking feature is supported when the Weekly Timesheets feature is enabled. Each TimeBill instance is a standalone record that belongs to only one TimeSheet instance. The 2016.2 endpoint adds a read-only timeSheet field to the TimeBill record. This field references the TimeSheet to which each TimeBill belongs.

When the Weekly Timesheets feature is enabled, each TimeSheet references its related TimeBills in a timeitem sublist. A single TimeSheet can reference multiple TimeBills.

TimeBill records are not available currently through the TimeSheet record in web services. To get all TimeBills for a TimeSheet, use TimeBill search.

The 2016.2 endpoint supports access to a TimeSheet through the new timeSheet field on the TimeBill record. It also makes this field available to TimeBill searches, and provides new joins to the TimeSheet search from the TimeBill searches.

For details, see the Schema Browser's [TimeBill](#) reference page.

Change in Initialization of Deposit Application Record from Customer Deposit Record

Beginning in the 2016.2 endpoint, the InitializeAuxRefType, arAccount parameter can be used when initializing a deposit application record from a customer deposit record to specify a specific A/R account. The returned record contains lines that correspond to the specified A/R account. You can use the arAccount parameter when initializing deposit application records from customer deposit records in all endpoints that have an enum value of arAccount for InitializeAuxRefType.

Additionally, the arAcct field has been changed from a string to a RecordRef field on the deposit application record.

The arAccount parameter is defined in InitializeAuxRefType in the [coreTypes](#) XSD.

The deposit application record is in the [tranCust \(customers\)](#) XSD.

For details, see the help topics [initialize / initializeList](#) and [Deposit Application](#).

Change in Initialization of Item Receipt from Transfer Order Record

In NetSuite 2016.2, a change has been made to the Use Item Cost as Transfer Cost preference for the Multi-Location Inventory feature. This change lets you enter partial fulfillments and receipts for transfer orders and track item costs throughout the transfer process, as described in [Transfer Order Enhancements](#).

To accommodate this change, InitializeAuxRefType has been extended to include the itemFulfillment parameter in the 2016.2 endpoint. This RecordRef field is returned in responses with the item fulfillment record associated with the transfer order.

The item receipt record is in the [tranPurch \(purchases\)](#) XSD.

For details, see the help topics [initialize / initializeList](#) and [Item Receipt](#).

2016.2 WSDL Now Available

The 2016.2 WSDL is now generally available and can be viewed at the following URL:

https://webservices.netsuite.com/wSDL/v2016_2_0/netsuite.wsdl

Araxis Merge Diff File for the 2016.2 Endpoint

The [Araxis Merge Diff file](#) highlights 2016.1 - 2016.2 schema changes.

About the Araxis Diff File

NetSuite publishes an Araxis Diff File for every new endpoint. Depending on the scope of the release, changes described in the Araxis 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 Diff File



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

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

The following screenshot shows how this summary page will look. In this example, the rows highlighted in purple 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 at the right (or click the name of the file, in either column).

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

When you click any of these links, the diff file shows a page with two columns. The old version of the file is shown at the left, and the new version at the right. Changed elements are highlighted.

For example, the following screenshot shows an excerpt from the report on `platform.commonTypes.xsd`. Note 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="_accountDetail"/>
505	<enumeration value="_accountingLists"/>	505	<enumeration value="_accountingBook"/>
506	<enumeration value="_accounts"/>	506	<enumeration value="_accountingLists"/>
507	<enumeration value="_accountsPayable"/>	507	<enumeration value="_accounts"/>
508	<enumeration value="_accountsPayableGraphing"/>	508	<enumeration value="_accountsPayable"/>
509	<enumeration value="_accountsPayableRegister"/>	509	<enumeration value="_accountsPayableGraphing"/>
510	<enumeration value="_accountsReceivable"/>	510	<enumeration value="_accountsPayableRegister"/>
511	<enumeration value="_accountsReceivableGraphing"/>	511	<enumeration value="_accountsReceivable"/>
512	<enumeration value="_accountsReceivableRegister"/>	512	<enumeration value="_accountsReceivableGraphing"/>
513	<enumeration value="_accountsReceivableUnbilled"/>	513	<enumeration value="_accountsReceivableRegister"/>
514	<enumeration value="_adjustInventory"/>	514	<enumeration value="_accountsReceivableUnbilled"/>
515	<enumeration value="_adjustInventoryWorksheet"/>	515	<enumeration value="_adjustInventory"/>
516	<enumeration value="_adminDocs"/>	516	<enumeration value="_adjustInventoryWorksheet"/>
517	<enumeration value="_adpImportData"/>	517	<enumeration value="_adminDocs"/>
518	<enumeration value="_adpSetup"/>	518	<enumeration value="_adpImportData"/>
519	<enumeration value="_advancedAnalytics"/>	519	<enumeration value="_adpSetup"/>
520	<enumeration value="_allocationSchedules"/>	520	<enumeration value="_advancedAnalytics"/>
521	<enumeration value="_allowNonGLChanges"/>	521	<enumeration value="_advancedPDFHTMLTemplates"/>
		522	<enumeration value="_allocationSchedules"/>
		523	<enumeration value="_allowNonGLChanges"/>

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

1054	<element name="usedDelivered" type="xsd:boolean" minOccurs="0"/>	1054	<element name="usedDelivered" type="xsd:boolean" minOccurs="0"/>
1055	<element name="chargeType" type="platformCommonType:ChargeRuleType" minOccurs="0"/>	1055	<element name="chargeType" type="platformCore:RecordRef" minOccurs="0"/>
1056	<element name="chargeList" type="platformCore:RecordRefList" minOccurs="0"/>	1056	<element name="chargeList" type="platformCore:RecordRefList" minOccurs="0"/>
1057	<element name="customFieldList" type="platformCore:CustomFieldList" minOccurs="0"/>	1057	<element name="customFieldList" type="platformCore:CustomFieldList" minOccurs="0"/>

2016.2 SuiteTalk Schema Browser

The 2016.2 SuiteTalk Schema Browser is now generally available and can be viewed at the following URL: https://system.netsuite.com/help/helpcenter/en_US/srbrowser/Browser2016_2/schema/index.html

SuiteCloud IDE

SuiteCloud IDE is an Eclipse-based integrated development environment (IDE) that is packaged for NetSuite platform development.

All 2016.2 enhancements to SuiteCloud IDE are to support the SuiteCloud Development Framework. For more information, see the release note for [SuiteCloud Development Framework \(Beta\)](#).

SuiteCloud Development Framework (Beta)



Warning: This release note describes a beta feature. The contents of this feature are preliminary and may be changed or discontinued without prior notice. Any changes may impact the feature's operation with the NetSuite application. NetSuite warranties and product service levels shall not apply to the feature or the impact of the feature on other portions of the NetSuite application. NetSuite may review and monitor the performance and use of this feature.

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, see the help topic [SuiteCloud Development Framework Overview \(Beta\)](#).

With the release of SuiteCloud Development Framework, NetSuite has also updated the SuiteCloud Terms of Service in September 2016 to specifically include SuiteCloud Development Framework as one of the listed SuiteCloud Technologies and to make other clarifying changes. You can review the complete updated terms at <http://www.netsuite.com/termservice>.

Prerequisites for Using SDF

The following are requirements for using SDF:

- You must enable the SuiteCloud Development feature in the account where you will be using SDF. Go to Setup > Company > Setup Tasks > Enable Features, and click the SuiteCloud subtab. Scroll down and check SuiteCloud Development Framework. Client SuiteScript and Server SuiteScript are prerequisites for enabling the SuiteCloud Development Framework feature. For more information, see the help topic [Enabling SuiteCloud Development Framework in Your NetSuite Account](#).
- SuiteCloud IDE is the development environment for SDF, so you must install and set up SuiteCloud IDE before you can use SDF. For details about these tasks, see the help topic [Setting Up SuiteCloud IDE](#).
- Before you use SDF in a sandbox account, you must refresh the sandbox. The sandbox account must be refreshed with the latest data from the related 2016.2 production account. This requirement, which is for 2016.2 only, is due to initial data changes that are needed for SDF use. If you create custom objects or make changes in a 2016.2 sandbox account before it has been refreshed, data corruption could result.

Key Advantages of SDF

Following are the key advantages of SDF:

- [Support for Team Development, Change Management, and Revision Control](#)
- [Decoupling of Development Process from a Single NetSuite Account](#)
- [More Robust Deployment Experience](#)

For more information about these advantages, see the help topic [SuiteCloud Development Framework Overview \(Beta\)](#).

Support for Team Development, Change Management, and Revision Control

Every component of your SuiteCloud project can now be managed in the same way as your code. An XML representation of NetSuite custom objects, such as custom records, custom forms, and workflows, is now available for inclusion in your projects. This XML representation lets you use your choice of revision control system to provide your development team with versioning, change management, and other team development features.

Decoupling of Development Process from a Single NetSuite Account

SDF enables you to build, validate, and deploy your SuiteCloud project from your local computer without tying its components to a single NetSuite account. SDF uses file-based definitions of custom objects that can be copied to any of your accounts in different environments. You can also use SDF to bring in custom objects created in the UI of any of your accounts so that they are part of your SDF

project. Using the SuiteCloud IDE with the new SDF extensions, you can interact with your NetSuite environments while developing your SuiteCloud project without leaving the development framework.

More Robust Deployment Experience

SDF lets you deploy your SuiteCloud projects directly to your development, sandbox, or production accounts without using SuiteBundler. It also provides validation of your projects during the development process against the NetSuite target account without requiring deployment. SDF provides richer deployment logs that include detailed information about the components being deployed, the status of the deployment, and other aspects of the process.

SDF Features

The following are some of the features of SDF.

- **Import of existing NetSuite objects and files:** With SDF, you can import files and the XML definitions of existing NetSuite objects to your project from any of your NetSuite accounts. All files in the SuiteScript folder of the file cabinet are available for import. For more information, see the help topic [Importing NetSuite Customizations into a SuiteCloud Project](#).
- **Use of your own revision control system:** All components of a project created with SDF are stored in a file system instead of in a NetSuite account. This file storage facilitates the use of standard software development processes during project development. Processes that are supported include team-based development, standard quality assurance and integration testing processes, and use of third-party revision control systems. For more information, see the help topic [Versioning and Revision Control](#).
- **Interaction with your NetSuite accounts:** When you are logged in, you can create or update custom objects directly in your NetSuite account without leaving SDF. When you create or modify an object using the NetSuite UI from within SDF, SDF synchronizes the changes with your project. You can interact with all of your NetSuite accounts, including sandbox accounts, development accounts, and your production account. For more information, see the help topic [SuiteCloud Development Framework Architecture](#).
- **XML definition of NetSuite objects and code completion availability:** SDF provides an XML definition of NetSuite custom objects. You can create and modify custom objects in the NetSuite UI or directly in the SuiteCloud IDE. Rich code completion is provided for object XML definition.
- **Reference objects and files outside of the project:** You can reference files and objects that are outside of an SDF project. For files you use a file path reference, and for objects, you use script IDs. For more information, see the help topic [Referencing NetSuite Customizations Outside of a SuiteCloud project](#).
- **Validation of your project on demand:** You can validate your project against your NetSuite account at any time during the development process without deploying the project. For more information, see the help topic [Validating a SuiteCloud Project](#).
- **Addition of missing dependencies:** SDF provides automated coverage for missing dependencies in your project. SDF inspects your project for NetSuite features that must be enabled and custom objects that must be included in the project. If these dependencies are missing, SDF adds them. For more information, see the help topics [Working with NetSuite Features](#) and [Referencing NetSuite Customizations Outside of a SuiteCloud project](#).
- **Preview of project deployment steps:** As part of the deployment process, SDF presents a report of all modifications that will occur. For more information, [Deploying a SuiteCloud Project to Your NetSuite Account](#).
- **Project deployment to any of your accounts:** You can deploy your SuiteCloud project to any NetSuite account where you have access to create NetSuite objects. You receive a warning when

you select a production account as the deployment target. SuiteBundler is currently required to distribute commercial SuiteApp projects. For more information, [Deploying a SuiteCloud Project to Your NetSuite Account](#).

Custom Objects Supported by SDF Beta

As of 2016.2, SDF supports the most commonly used custom objects, but it does not yet support all of them. The following custom objects are supported in 2016.2:

Center	Item number custom field	Script – Mass update
Center category	Item option custom field	Script – Portlet
Center tab	Other custom field	Script – RESTlet
CRM custom field	Plug-in – Custom GL Lines	Script – Scheduled
Custom entry form	Plug-in – Email Capture	Script – Suitelet
Custom list	Plug-in – Promotions	Script – User event
Custom record type	Role	Script – Workflow action script
Custom subtab	Script – Bundle installation	Transaction body custom field
Entity custom field	Script – Client	Transaction column custom field
Item custom field	Script – Map/Reduce	Workflow

SuiteApps (Bundles) Released by NetSuite

NetSuite 2016.2 includes the following enhancements to SuiteApps released by NetSuite:

- Recurring Resource Allocations Supported in the Resource Allocation Chart/Grid
- Software Vertical Contract Renewals Enhancements
- SuiteSocial Enhancements
- Import Withholding Tax Transactions Using Web Services
- Intrastat Report for Austria
- Supplementary Tax Calculation
- Multi-Book Accounting for the Tax Audit Files SuiteApp
- Multi-Book Accounting for the International Tax Reports SuiteApp
- Fixed Assets Management Enhancements
- NetSuite for Outlook Enhancements
- Automatic Chargeback Workflow Processing
- Electronic Payments Enhancements
- Grid Order Management Enhancement
- Supply Chain Management Enhancement
- Recurring Billing Enhancements
- Advanced Manufacturing Enhancements
- Enhancement to Mexico Compliance
- Dunning Enhancements

- [Dun & Bradstreet for NetSuite Integration Enhancements](#)

Recurring Resource Allocations Supported in the Resource Allocation Chart/Grid

The Resource Allocation Chart/Grid now supports recurring resource allocations. You can create new recurring allocations in both grid and chart views by selecting a recurrence schedule when creating a new allocation. Recurring resource allocations are displayed on the chart and grid with a recurring icon next to the allocation. Editing options for recurring resource allocations are only available in chart view. For more information, see the help topics [Resource Allocation Chart](#) and [Resource Allocation Grid](#).

Software Vertical Contract Renewals Enhancements

Software Vertical Contract Renewals version 16.2 includes the following features:

- [Flexible Contract Creation](#)
- [Activity-Based Contract Status](#)
- [Cancel Contract](#)
- [Reject Renewal Transaction](#)
- [Maintenance and Support \(M/S\) Pricing Option](#)
- [Flexible Start Date for Renewals](#)

Software Vertical Contract Renewals version 16.2 is available in accounts running NetSuite 2016.2.

Flexible Contract Creation

This feature enables you to choose when a contract record will be generated from a sales order.

In Software Vertical Contract Renewals version 16.2, you can set the **Sales Order Status to Create Contract** preference on the Contract Renewals Preferences page. This preference determines the minimum sales order status to be processed for contract generation.

The following options are available:

- **Sales Order: Pending Approval** – A contract is generated upon saving of the sales order. This is the default value.
- **Sales Order: Pending Fulfillment** – A contract is generated when the sales order is approved.

You can also manually create a contract for a specific sales order by clicking the **Create Contract** button on the transaction record. This button is available on sales orders that do not yet have a contract.

For more information, see the help topics [Setting Up Contract Renewals Preferences](#) and [Creating a New Contract](#).

Activity-Based Contract Status

In Software Vertical Contract Renewals version 16.2, a **Status** field is available on the contract record. Depending on the current state of the contract, its status can be one of the following:

- **Pending** – Contract record has no contract items yet.

- **Active** – Contract items are created by the contract item creation script (R03).
- **Renewal Generated** – Contract is processed by the contract renewals script (R05) and a renewal transaction is generated.
- **Renewal Processed** – Contract items are generated for the contract's renewal contract (that is, renewal contract status is Active).
- **Renewal Rejected** – Renewal transaction for the contract is rejected by clicking the Reject Renewal button on the transaction record.
- **Canceled** – Contract is canceled by clicking the Cancel Contract button on the contract record.
- **Closed** – For contracts that have already reached their end date, you can run the SWV CR MR R08 Close Contracts (customscript_svw_cr_mr_r08_closecontract) script to set the expired contract's status to Closed. When you run the script that closes expired contracts, it searches for contracts that meet the following criteria, then sets its status to Closed:
 - Contract status is Active.
 - Contract has no perpetual items.
 - Contract end date is before the current date.

For more information, see the help topics [Contract Workflow](#) and [Managing Contracts](#).

Cancel Contract

This feature enables you to cancel contracts by clicking the **Cancel Contract** button on the contract record. Canceled contracts cannot be edited, and are not processed by the contract item creation script (R03) and contract renewal script (R05). Also, canceled contracts are not available for selection in the list of contracts subject for upsell or downsell.

For more information, see the help topic [Canceling a Contract](#).

Reject Renewal Transaction

This feature enables you to reject a renewal transaction by clicking the **Reject Renewal** button on the transaction record.

The **Reject Renewal** button is available on a renewal quote, opportunity, or sales order (with Pending Approval status) that satisfy the following conditions:

- Status of original contract is Renewal Generated.
- Renewal transaction has no renewal contract yet, or has a renewal contract in Pending status (no contract items yet).

When you click the **Reject Renewal** button, the status of the original contract changes to Renewal Rejected. In addition, it is not processed by the contract renewal script (R05). If you want to process the contract again for renewal, you can click the **Renew Now** button on the contract record to create a new renewal transaction.

For more information, see the help topic [Rejecting a Renewal Transaction](#).

Maintenance and Support (M/S) Pricing Option

This feature enables you to set an item level pricing option for M/S items.

When you create a new item record, you can select a pricing option in the **M/S Pricing Option** field if you are creating an M/S item. The pricing option that you set on the item record is used to determine

the price for the M/S item when it is used on contracts. You can set the pricing option to one of the following values: Itemized M/S Price, M/S as a Percentage of License List Price, or M/S as a % of License Net Price.

By default, when you create a new M/S item, the value in the **M/S Pricing Option** field is set to the value that you selected in the **Default M/S Pricing Option** field on the Contract Renewals Preference page.

For more information, see the help topics [Setting Up Contract Renewals Preferences](#) and [Setting Up Maintenance/Support for Contract Renewals](#).

Flexible Start Date for Renewals

This feature enables you to set up contract items to start earlier than the renewal contract start date. To enable flexible start date for renewals, check the **Enable Flexible Start Date for Renewal Transactions** box on the Contract Renewals Preferences page. If this preference is enabled, you can set the start date of items on renewal transactions to any date between the current date and the contract end date. This feature is applicable only for renewal transactions and for upsell sales orders for renewal contracts.

If this preference is not enabled, the start date of renewal contract items must be set within the contract's term only.

For more information, see the help topic [Editing a Renewal Transaction](#).

SuiteSocial Enhancements

The latest version of the SuiteSocial SuiteApp includes the following enhancements:

- [Ability to Create Channels from the News Feed](#)
- [Customer Access to SuiteSocial News Feed](#)
- [User Experience and Performance Improvements](#)

Ability to Create Channels from the News Feed

Regular SuiteSocial users can now create a new channel from the news feed. This feature is available from the news feed channel selector. Users can also add restrictions and specific individuals to the channel they are creating to ensure that posts shared on the channel are relevant only to the people who can access it. After creating the channel, it is accessible from the news feed channel selector.

For more information, see the help topic [Working with Channels](#).

Customer Access to SuiteSocial News Feed

The SuiteSocial news feed is now available to customers on their sales orders, quotes, and other accessible records or transactions. Customers can post messages from the record page, comment on posts, share files, subscribe to channels, follow records, and send private messages to other users.

For more information, see the SuiteSocial help on the Customer Center.

User Experience and Performance Improvements

- **Improved Like and Hashtag** – Hashtags now have shareable URLs. Clicking the hashtag URL filters directly to the related posts, enabling you to find relevant content on the news feed. Like is now also

available on comments, with improvements to handle concurrent likes from many users. For more information, see the help topics [Using Hashtags to Filter News Feed Posts](#) and [Viewing and Deleting News Feed Posts](#).

- **Manual File Attachment to Posts** – You can now manually attach files to posts, comments, and private messages by clicking the upload icon on the message composition area. For more information, see the help topic [Posting a Message to a Channel](#).
- **Selective and Consolidated Notifications for Tracked Fields** – Previously, whenever tracked fields are updated on a record, the system posts one notification for each tracked field that was updated. Tracked field notification on the SuiteSocial news feed are now consolidated so that you see only one notification per record, regardless of the number of tracked fields updated. On your SuiteSocial profile page, you can also exclude a tracked field so that you do not have to see notifications related that field. For more information, see the help topics [Modifying Tracked Fields](#) and [SuiteSocial Posts Display Rules](#).
- **Performance Improvements to Record Subscriptions** – You can expect the following improved response times whenever you create or update records with subscriptions: at least 25% faster on records with manual followers; at least 15% fast on records with saved search subscriptions; and at least 20% faster on records with automatic subscriptions.

Import Withholding Tax Transactions Using Web Services

This feature lets you use web services to add or update transactions that have withholding tax, but only for the following transaction types:

- Purchase Orders
- Vendor Bills
- Write Check (for vendor)
- Sales Orders
- Customer Invoice
- Cash Sale

When the withholding tax point is set to **On Accrual**, the withholding tax amounts are automatically posted when the transaction is saved. For more information, see the help topic [Importing Withholding Tax Transactions Using Web Services](#).

Intrastat Report for Austria

NetSuite's International Tax Reports SuiteApp enables you to generate the Austrian Intrastat report for Arrivals and Dispatches. The Austrian Intrastat report is generated monthly, and must be submitted on the 10th working day after the end of the month. The reports are available in PDF and Excel format.

On the EU Intrastat Report page, the following columns are added to the report when you select an Austrian Subsidiary:

- Mode of Transport
- Statistical Procedure
- Supplementary Unit
- Statistical Value

For more information, see the help topic [Intrastat Report for Austria](#).

Supplementary Tax Calculation

The Supplementary Tax Calculation SuiteApp includes the following features:

- [Nondeductible Input Tax](#)
- [Posting Notional Tax Amounts](#)
- [VAT on Prompt Payment Discounts](#)

Nondeductible Input Tax

The nondeductible input tax feature will be discontinued in the International Tax Reports SuiteApp. It will be available in the Supplementary Tax Calculation SuiteApp in July 2016.

To record nondeductible input tax on purchase transactions, you must install both the Supplementary Tax Calculation SuiteApp (Bundle ID: 123426) and the International Tax Reports SuiteApp (Bundle ID: 43003) and enable the **Custom GL Lines** feature on your account.

Previously, in the International Tax Report SuiteApp, you can record nondeductible input tax only for Belgium, Czech Republic, and Italy. When recording nondeductible input tax using the International Tax Reports SuiteApp, the system creates a separate line item on purchase transactions. The system also creates a journal entry to reclassify the nondeductible input tax amount to the appropriate expense account.

With the Supplementary Tax Calculation SuiteApp, nondeductible input tax has been extended to support more countries. The nondeductible input tax is recorded together with the originating transaction using custom GL lines. The nondeductible adjustment journal will no longer be created for vendor bill, bill credit, and check transactions.

You may be required to update customizations applied to additional line item for nondeductible input tax, and nondeductible adjustment journal under the following conditions:

- Your account has a nondeductible input tax setup for Belgium, Czech Republic, or Italy
- You have recorded nondeductible input tax using the International Tax Reports SuiteApp

For more information on recording nondeductible input tax using the Supplementary Tax Calculation SuiteApp, see the help topic [Recording Nondeductible Input Tax](#).

Posting Notional Tax Amounts

You can now set up a tax code with a notional tax rate, to post accounting entries for notional tax amounts. Enabling the **Post Notional Tax Amount** property in the tax code record lets the system create accounting entries for notional tax amounts. Notional tax amounts are posted using custom GL lines if the transaction is charged with a tax code that can post notional tax amounts. This option can be enabled on new and existing tax codes.

The notional tax amounts will be debited and credited to the corresponding debit and credit accounts that you specified on the tax code record.

For more information, see the help topic [Posting Notional Tax Amounts](#).

VAT on Prompt Payment Discounts

This feature enables businesses, who offer early payment discounts, to calculate VAT adjustments when their customers settle their invoice within the discount period. The system will automatically

create a credit memo to record the VAT on prompt payment discount. A link to the credit memo will be available on the invoice where the customer payment is applied.

For more information, see the help topic [Recording Tax on Prompt Payment Discount](#).

Multi-Book Accounting for the Tax Audit Files SuiteApp



Important: This feature is targeted to be available to more countries in the third quarter of 2016.

You can now generate tax audit files using your subsidiary's secondary accounting book. The **Accounting Book** option is available on the Audit Files page if both of these conditions are met:

- The Multi-Book Accounting feature is enabled on the account
- The subsidiary, for which you want to generate a report, has a secondary accounting book

The exported tax audit file displays only information sourced from the selected accounting book.

On the Audit Files sublist, an **Accounting Book** column is also added to the logs so that you can check which accounting book was used to generate a specific report.

For more information, see the help topic [Generating a Tax Audit File](#).

Multi-Book Accounting for the International Tax Reports SuiteApp

If the **Multi-Book Accounting** feature is enabled on your account, you can now generate the following reports in secondary accounting books:

- Country-specific VAT/GST returns
- EU Sales List reports
- Intrastat reports
- Supplementary output and input tax reports

On multi-book enabled accounts, the **Accounting Book** filter will be available on the tax reports page, enabling you to filter tax reports per accounting book. All active accounting books associated to the selected subsidiary will be available for selection in the **Accounting Book** filter.

For more information, see the help topic [Multi-Book Accounting for International Tax Reports](#).

Fixed Assets Management Enhancements

The Fixed Assets Management SuiteApp includes the following enhancements:

- [Bulk Disposal of Assets through CSV Import](#)
- [Additional Language Support for the User Interface](#)
- [Fixed Assets Report Customization](#)
- [Asset Proposal Split](#)

Bulk Disposal of Assets through CSV Import

You can now dispose multiple assets through CSV import on the Asset Sale/Disposal page. The **Import CSV** button is introduced on the Asset/Sale Disposal page. Clicking Import CSV opens a separate page where you can upload a CSV file containing the assets that you want to dispose. A sample CSV file, with sample values and descriptions for each header field, is also available for download on the page.

For more information, see the help topic [To process multiple asset disposals using CSV import](#).

Additional Language Support for the User Interface

You can now set the user interface for the Fixed Assets Management SuiteApp to the following languages:

- Chinese (Traditional)
- Czech
- Danish
- Dutch
- French
- French (Canada)
- Italian
- Korean
- Portuguese
- Russian
- Spanish
- Spanish (Latin America)
- Swedish
- Thai
- Turkish

For more information, see the help topic [Multi-Language Support for the Fixed Assets Management SuiteApp](#).

Fixed Assets Report Customization

The latest release of the Fixed Assets Management SuiteApp includes the ability to customize the default fixed assets report XML template to fit your company's requirements. You can download the default report template and customize it to add or remove fields on the asset register and depreciation schedule report. Note that a basic knowledge of XML or Freemarker is required to customize the asset report template.

On the system setup page, you can set the report template that you want to use to generate fixed assets report.

For more information, see the help topic [Customizing the Asset Report Template](#)

Asset Proposal Split

This feature lets you split an asset proposal record into multiple quantities. Splitting an asset proposal record enables you to separately process a certain number of assets in the original proposal record.

If the proposal record contains multiple quantities of an asset, a link to split the asset proposal will be available on the proposal sublist. Clicking the link redirects you to the Asset Proposal Split page where you can specify how you want to split the proposal record.

For more information, see the help topic [Splitting Asset Proposal Records](#)

NetSuite for Outlook Enhancements

The following fixes and enhancements are included in the latest version of NetSuite for Outlook:

- **Improved handling of the ActiveSync error** – Previously, an event instance that is modified from the event series, and is recreated as a standalone event, triggers the 'Synchronization failed' error. Handling for this error is improved so that repetitive error messages no longer appear when a standalone event is recreated from an event series.
- **Better control of multi-day events** – Multi-day events can now be properly synced to NetSuite by the event organizer. When another user (not the event organizer) tries to sync the event, an error message will be returned to that user.
- **Improved handling of multiple events getting similar Outlook IDs** – Design changes were made to enforce unique Outlook ID assignments to events when synced by multiple users.
- **Addressed the event sync object behavior** – Automatic conflict resolution is now in place to prevent the 'Cannot find function get in object [object Object]' error from popping up and hindering the sync.
- **Support for SHA-256 certificate** – Client file is now signed in both SHA-1 and SHA-256.
- **Addressed blank sync configuration window** – Random blank screen no longer appears when users try to create a new sync configuration.
- **Better handling of event time zone** – Multi-day events, with no matching events in NetSuite, are split and treated as newly synced events. The original Outlook IDs are preserved on these events, so that time zones used for the Start and End times remain intact.
- **Addressed the DD/MM/YYYY event date format** – Events in long date format are now syncing properly.
- **Enhanced error handling** – A detailed error message is displayed to notify users when they have entered invalid login credentials. Users no longer see an error prompt when they click cancel while the Sync Criteria window is loading.
- **Improved filter criteria display** – The sync filter criteria names, remove/expand icons, alert box, and close buttons are displayed completely, with enough space for better readability in IE browsers.
- **Better control of multiple task sync** – Addressed random instances when multiple tasks, created in Outlook and then synced to NetSuite, are deleted in Outlook.
- **Better handling of event workflow and sync** – When creating event or phone call records, users no longer encounter the "Invalid custrecord_outlook_id for call reference key" error. This error used to be encountered in a workflow environment combined with Celigo scripts. Events imported from an .ICS file, with a custevent_outlook_id_no_save_field that contains more than 300 characters, can now be synced. The event sync error "Cannot call method 'toLowerCase' of undefined" is now corrected too.
- **Proper phone call deletion** – When a record is removed, the corresponding phone call record is now also deleted from the organizer and attendees' Outlook and NetSuite accounts.
- **Better handling of installation behavior** – Existing client application can now be detected during installation. If no other supported Outlook application is installed in your computer, a warning is now displayed when you try to uninstall the client application.
- **Proper saving of email to entity records** – Email is now consistently saved across all the records marked in the Email pane.

Automatic Chargeback Workflow Processing

The NetSuite Chargeback Workflow SuiteApp lets you automatically process chargeback requests for disputed payments. Payment gateways initiate chargeback requests when your customers believe their cards have been incorrectly charged. With the Chargeback Workflow SuiteApp, journal entries that track the transfer of funds during the chargeback process are automatically created for you. The autogenerated journal entries significantly reduce the cost of resources required to allocate to process chargebacks.

Without the NetSuite Chargeback Workflow SuiteApp, you must manually manage reconciling the chargebacks reported in reconciliation reports that are sent to NetSuite by the payment gateway.

The NetSuite Chargeback Workflow SuiteApp provides timely automated notifications. Quick access is provided to the most pertinent information regarding the alleged customer, the affected subsidiary, the monetary value of the disputed payment, and the GL impact. Furthermore, you can assign an employee to be responsible for the chargeback rebuttal, attach supporting evidential material, and manually configure different chargeback processes for different subsidiaries.

For more information, see the help topic [Chargeback Workflow](#).

Electronic Payments Enhancements

Enhancements to the Electronic Payments SuiteApp include the following features:

- [Instant Bank File Creation](#)
- [Continuous File Creation](#)
- [Name Change of Electronic Payments SuiteApps](#)
- [Updates to Direct Debit Format Names](#)
- [Instant Bank Payment File Creation Enhancements](#)
- [New Column Fields for Queue Management](#)

Instant Bank File Creation

A new process is introduced to generate payment files using existing bill or customer payment transactions. Unlike the current process where outstanding transactions are loaded for selection on the payment file generation page, the new process uses predefined saved searches for payment transactions. The use of saved searches enables you to set the criteria that will filter payment transactions to be included in payment file generation. The preselected transactions from the saved search will be ready for processing as soon as they are loaded.

Payment files will be generated from existing payment transactions that have been tagged through the new **For Electronic Payment** box. This box will be automatically checked on transactions for entities with any of the following preferences enabled in their record to process electronic payments:

- **EFT Bill Payment** – for vendors and partners
- **Direct Debit** – for customers

Continuous File Creation

Payment files can be created regardless of transactions with errors that are detected during processing. The list of failed transactions is displayed on the Payment File Administration record. You have the option to remove them from the record and process them in another payment batch.

For more information about these features, see the help topic [Creating Payment Files from Transactions for Electronic Payment](#).



Important: The following Electronic Payments features are targeted to be available in NetSuite 2017.1. Prior to the upgrade of your production account, be sure to test the new features in your Release Preview account.

Enhancements to the Electronic Payments SuiteApp in the 2017.1 release will include the following:

Name Change of Electronic Payments SuiteApps

NetSuite Electronic Payments is now called Electronic Bank Payments. The Electronic Bank Payments SuiteApp enables you to generate payment files that can be used for local or domestic payments.

NetSuite Electronic Payments for OneWorld is now called Advanced Electronic Bank Payments. The Advanced Electronic Bank Payments SuiteApp enables you to generate payment files that can be used for international, as well as domestic payments. Additional features include:

- Worldwide payment format support
- Multicurrency payment processing
- Automated payment batch creation
- Custom payment file template support
- SuiteCloud Plus support



Note: Prior to your account upgrade to NetSuite 2017.1, search for the SuiteApp in your Release Preview or Sandbox account using the new names: Electronic Bank Payments or Advanced Electronic Bank Payments.

Updates to Direct Debit Format Names

To distinguish between EFT and direct debit formats that have the same name, the **DD** suffix will be added to the following Direct Debit Formats:

Country	Updated Direct Debit Format Names
Australia	ABA DD
Germany	DTAUS DD
Singapore	DBS — IDEAL DD UoB — BIB-IBG DD
UK	BACS DD

Instant Bank Payment File Creation Enhancements

Currently, reversals are not available for payment files generated through Instant Bank Payment File Creation. In the new version of Electronic Payments, you will be able to perform a full or partial reversal for processed instant bank payment files. For more information about reversals, see the help topic [Reversing Payments](#).

When processing customer payments through Instant Bank Payment File Creation, the **For Electronic Payment (Direct Debit)** box will be checked automatically for customers that have been set up for

Electronic Payment. Likewise, if the user selects other payment methods, the box will be automatically cleared. For more information, see the help topic [Electronic Payment Tagging on Payment Transactions](#).

New Column Fields for Queue Management

In the new version of Electronic Payments, new column fields will be added to the **Queue Management** subtab of the Electronic Payments Preferences page. These fields will be dedicated to SuiteScript 2.0 script deployments. In particular, three new column fields will be introduced for subprocesses that are currently run by the single Payment Creator script (customdeploy_ep_payment_creator_ss): Transaction Marking (New), Payment Processing (New), Bank File Creation (New). Creating separate scripts for these subprocesses will distribute the processing load more efficiently.

Refer to the following table for the list of new column fields, deployments, and supported features.

New Column Fields per Process	Default SuiteScript 2.0 Script Deployments	Regular Payment Processing (EFT)	Instant Bank File Generation (EFT and DD)
Scheduler	customdeploy_8858_scheduler_ss	Y	Y
Transaction Marking	customdeploy_8859_transaction_marker	Y	N
Payment Processing	customdeploy_8858_payment_processor_mr	Y	N
Bank File Creation	customdeploy_9997_file_generation_ss	Y	Y
Rollback	customdeploy_8859_ep_rollback_mr	Y	N
Reversal	customdeploy_8858_reverse_payments_mr	Y	Y
Notification	customdeploy_8859_email_notification_mr	Y	Y
Instant Payment Processing	customdeploy_9997_payment_to_admin_mr	N	Y
Remove Unprocessed Transaction	customdeploy_9997_trans_unlinker_mr	Y	N

For information about setting up multiple queues, see the help topic [Setting Up Multiple Script Queues to Generate Payment File Formats](#).

Grid Order Management Enhancement

The latest version of the Grid Order Management SuiteApp will include multi-grid order entry.

Multi-Grid Order Entry

The current process for entering grid orders supports only one template per Grid Order Entry form. With multi-grid order entry, you will be able to enter large grid orders using multiple templates in one

Grid Order Entry form. You will be able to combine grid matrix and item templates in a single grid order.

Use of multi-grid order entry will require that you select the **Enable Multi-Grid Order Entry** preference in your account. For more information, see the following topics:

- [Setting Grid Order Management Preferences](#)
- [Entering Multi-Grid Orders](#)

Supply Chain Management Enhancement

The Supply Chain Management SuiteApp currently contains the Estimated Landed Cost feature. With Estimated Landed Cost, you can set up templates that you can use to automatically calculate landed cost estimates on selected transactions. The latest version of the SuiteApp includes an enhancement in the way estimated landed cost template mappings are set up.

For more information about the feature, see the help topic [Estimated Landed Cost](#).

Import of Estimated Landed Cost Template Mappings

Estimated Landed Cost now includes support for the import of landed cost template mappings. Through import, you can add and update landed cost template mappings in bulk, instead of mapping templates to item records one at a time.

- Import is limited to estimated landed cost template mappings. Import of landed cost templates currently is not supported.
- Support is limited to the following contexts only: CSV, scheduled script, and web service.

For more information, see the help topic [Importing Landed Cost Template Mappings](#).

Recurring Billing Enhancements

Recurring Billing version 16.2 includes the following features:

- [Execution Date for Terminate Subscription Item Change Order](#)
- [Custom Term for Migrate Subscription Plan Change Order](#)
- [Recurring Billing Integration Enhancements](#)

Recurring Billing version 16.2 is available in accounts running NetSuite 2016.2.

Execution Date for Terminate Subscription Item Change Order

In Recurring Billing Version 16.2, you can specify an execution date for termination change orders. On the Terminate Subscription Item change order window, you can set when you want the change order to be processed by specifying a value in the **Execution Date** field.

In previous versions, termination change orders were processed on the same day as the termination date that you specified on the change order.

You can apply termination change orders from the subscription or primary subscription item record. When a termination change order is executed, the status of the subscription item changes to Pending Termination.

For more information, see the help topic [Terminating an Item in a Subscription](#).

Custom Term for Migrate Subscription Plan Change Order

In Recurring Billing Version 16.2, you can specify a custom end date when you migrate a subscription item to a new subscription plan. After you select a new subscription plan on the Migrate Subscription Plan change order window, you can specify a custom end date in the **End Date** field.

You can apply migration change orders from the primary subscription item record.

For more information, see the help topic [Migrating Customers and Items to a New Subscription Plan](#).

Recurring Billing Integration Enhancements

Recurring Billing version 16.2 includes the following enhancements to Recurring Billing Integration:

- **Support for standard sales order** – This feature introduces a new method for creating subscriptions using the standard sales order form. The `rbCreateStandardSalesOrder` method supports the same request and response structure used in the existing method for creating subscriptions with the Subscription Billing - Sales Order custom form (`rbCreateSalesOrder`). The new version also supports the following new parameters in the `rbCreateStandardSalesOrder` method:
 - `rbSubscriptionEndAt` – You can use this parameter to set a custom term for the subscription item by specifying a custom end date.
 - `rbSubscriptionNoticePeriod` – You can use this parameter to set the notice period for subscription items with a custom term of more than 36 months.

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

- **Support for custom fields on sales orders** – You can use this feature to assign values to custom fields when you create subscription sales orders through Recurring Billing Integration. The new version adds the following new parameters to the `rbCreateStandardSalesOrder`, `rbCreateSalesOrder`, and `rbCreateSubscriptionFromOrder` methods:
 - `rbCustomTransactionBodyFields` – You can use this parameter to specify a value for any non-Recurring Billing custom transaction body field.
 - `rbCustomTransactionColumnFields` – You can use this parameter to specify a value for any non-Recurring Billing custom transaction column field.

For more information, see the help topics [rbCreateSalesOrder](#), [rbCreateStandardSalesOrder](#), and [rbCreateSubscriptionFromOrder](#).

Advanced Manufacturing Enhancements

The latest version of the Advanced Manufacturing SuiteApp includes many enhancements, some of which are listed here. For more information, see [Advanced Manufacturing SuiteApp Release Notes — Version 2016.2](#).

Format and Layout

The SuiteApp now supports international date formats. The AM (Advanced Manufacturing) Work Order page layout has been updated to clearly distinguish standard manufacturing options from advanced manufacturing options. The Release Orders to Shop Floor page has been updated to improve overall usability. If you are a planner, you can now release work orders for multiple locations without having to update your employee records. The Capacity Planning page has been updated to give more flexibility when setting up planned demand and resource supply.

Data and Record Duplication

Asset records have been updated to ensure that all mandatory fields have data and that duplicate records are not being created.

Workbench and Work Orders

Automatic workbench creation enables you to use Advanced Manufacturing features immediately for any appropriately set up assembly items using WIP. Enhancements to how work order completions are generated improves the accuracy and consistency of transactions and associated manufacturing costs.

Tablets

Tablet capabilities have been expanded for your manufacturing process. The Work Center filter is now applied before retrieving the list of work orders. For large date ranges you can see all data if you select a work center. Real-time mode of data collection on tablets has been expanded for lot and serial number controlled assembly items.

Enhancement to Mexico Compliance

The Mexico Compliance SuiteApp has a new **Payment Method** subtab available on the Bill Payment page. The **Payment Method** subtab has fields where you can choose the payment method and vendor bank record. This feature is helpful in meeting the requirements of your vendors or tax agencies in making payments. For OneWorld accounts, the **Payment Method** subtab is available only if the nexus of the subsidiary is in Mexico.

Dunning Enhancements

The Dunning Letters SuiteApp has new features that provide enhanced control and customization in working with dunning letters:

- The Dunning Letters SuiteApp supports 20 additional languages for automatic matching of templates according to your customers' preferred languages.
- Choosing to attach a statement when creating a dunning template enables new fields. In the fields, you can define a statement date and statement start date.
- Dunning template records can be tracked using System Notes, which logs changes to the fields of a dunning template.
- A new FreeMarker tag for customer dunning enables the Days Overdue field in dunning templates.

Dun & Bradstreet for NetSuite Integration Enhancements

The following features and enhancements are included in the latest version of the D&B for NetSuite Integration SuiteApp:

- [Data Monitoring for D&B Data Management for NetSuite](#)
- [D&B Role Permissions](#)
- [Additional Fields for Updating Entity Details with D&B Values](#)

Data Monitoring for D&B Data Management for NetSuite

With Data Monitoring, you can track and apply D&B updates to registered D&B reference records in NetSuite. There are two ways to register records for Data Monitoring:

- Manually register existing records in bulk.
- Enable a preference that automatically registers new records created during entity matching.

For more information, see the help topic [Using Data Monitoring for D&B Reference Records](#).

D&B Role Permissions

In previous versions of the SuiteApp, you have to assign each custom role with D&B permissions. The new version provides D&B Role Permissions records that enable you to assign predefined D&B permissions to multiple custom roles.

D&B Role Permissions records have been set up for each of the D&B roles: D&B Buyer, D&B Sales Rep, D&B Credit Manager, D&B Sales Manager. These predefined records contain the permissions required by D&B roles to accomplish their specific tasks. You can use the D&B Role Permissions records in the following ways:

- Update a record to add custom roles that require the same permissions assigned to a D&B role.
- Make a copy of a record if you want to add custom roles and update the default D&B permissions. On your copy of the record, you can assign more or remove permissions not required by your custom roles.

For more information about D&B Role Permissions, see the help topic [Configuring D&B Role Permissions](#).

Custom roles that you set up in D&B Role Permissions records must have the standard permissions for accessing lead, prospect, customer, or vendor records. Also, you must give them at least the View access for the following records: D&B Role Permissions, Custom Lists, SuiteScript.

- For more information about permissions for entity records, see the help topic [Working with Records](#).
- For more information about assigning D&B record permissions, see the help topic [Assigning D&B Record Permissions to Custom Roles](#).

Additional Fields for Updating Entity Details with D&B Values

The following fields are now available for updating entity details in NetSuite with data from D&B:

- Postal Code
- Street Address 2
- Addressee

See the help topic [Updating Entity Details with D&B Values](#).