

# Version 2016 Release 1 (2016.1) Release Notes

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**Important:** This document summarizes the changes to NetSuite between Version 2016 Release 1 (also known as 2016.1) 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 Version 2016 Release 1 enhancements and changes listed in this document are not available to NetSuite customers until they are upgraded to Version 2016 Release 1. 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	<a href="#">Advanced Revenue Management</a> <a href="#">OneWorld Consolidation in Secondary Books</a> <a href="#">Custom GL Lines Plug-in Enhancements</a> <a href="#">Change to the Accounting Period Filter on Reports and Searches</a> <a href="#">Fixed Asset Management Enhancements</a> <a href="#">Import Withholding Tax Transactions Using Web Services</a> <a href="#">Intrastat Report for Austria</a>
	Administration	<a href="#">System Notes for Configuration Settings with Financial Impact</a> <a href="#">Prevention of Access to Delete All Data</a> <a href="#">Enhanced Security for Password Reset Process</a> <a href="#">Advance Notice — Deprecation of TLS versions 1.0 and 1.1</a> <a href="#">New Account Mobility Tasks Page: Is Your Account Ready to Move?</a> <a href="#">New Development Environment for NetSuite Customizations Sandbox 2.0</a> <a href="#">Changes to Choose Roles Page and Dropdown list</a> <a href="#">Enhancements to Account Mobility Tasks</a>

Product	Section	Summary
		<p>New URL for Accessing Release Preview</p> <p>NetSuite Implements a Global Distribution Network to Deliver Content Faster</p> <p>Sandbox Refresh Enhancements</p>
	Banking	Account Reconciliation Enhancements
	Customer Relationship Management (CRM)	<p>More Secure External URLs</p> <p>Group Editing Restricted to Group Owner by Default</p> <p>NetSuite for Outlook Enhancements</p> <p>Last Sales Activity Enhancements</p> <p>Duplicate Detection and Merge Enhancements</p>
	Employee Management	<p>Weekly Time Sheet Enhancements</p> <p>Payroll Item Workplace Field for Time Transactions</p> <p>Time Thresholds</p>
	Items and Inventory Management	<p>Balance Location Costing Group Accounts</p> <p>Retail Stock Ledger Report</p> <p>Inventory Costing Improvements</p> <p>Commit Orders Page Enhancements</p> <p>Item Ordering Enhancements</p> <p>Custom Inventory Adjustment Column</p> <p>Line Level Ship-to on Credit Memo</p>
	Mobile	<p>NetSuite for Android 4.0</p> <p>NetSuite for iOS 5.0</p>
	Order Management	<p>Automatic Assignment of Fulfillment Locations to Sales Order Lines</p> <p>Billing Tab and Dashboard</p> <p>Payment Processing Enhancements</p> <p>Ending Support for eBay Integration</p> <p>Australia Post Integration</p> <p>Grid Order Management Enhancements</p> <p>Enhancements to Payment Gateway Plug-in</p> <p>Electronic Invoicing</p> <p>Dunning Enhancements</p> <p>Recurring Billing Enhancements</p>

Product	Section	Summary
		Software Vertical Contract Renewals Enhancements Automatic Chargeback Processing
	Projects	Recurring Resource Allocations Inline Editing for Resource Allocations Custom Interval Billing Rates Asynchronous Project Plan Recalculation
	Vendors, Purchasing, and Receiving	Global Vendor Credit Limit Shared Vendors Merge Estimated Landed Cost
	Taxation	Czech Republic VAT Control Statement Slovak Republic VAT Ledger Statement
	User Interface	Advance Notice – End of Support for Internet Explorer 10 Advance Notice – End of Support for Google Chrome on Windows Vista and Mac OS X Versions 10.6, 10.7, and 10.8 Advance Notice – End of Support for Safari 6 SuiteSocial Enhancements
<b>SuiteCommerce</b>	Commerce Platform	Change to Record Type Returned for Leads Created in the Web Store  Change in Global Subscription Behavior in OneWorld and Multi-Site Web Stores
	SuiteCommerce Advanced	Mont Blanc Release of SuiteCommerce Advanced
	Site Management Tools	Preview on Different Screen Sizes
	SuiteCommerce InStore	Support for Quotes in SuiteCommerce InStore Saved Searches in SCIS User Menu Support for Localization in SuiteCommerce InStore SCIS Support for Advanced HTML/PDF Templates Revenue Arrangement Custom Field Option for Transaction Body and Column Fields SuiteCommerce InStore Efix Releases
<b>SuiteCloud Platform</b>	SuiteBundler	Bundle Support During Release Phasing Support for Bundling Custom Segments
	SuiteBuilder - Customization	Enhancements to Custom Segments Enhancements to Advanced Printing

Product	Section	Summary
		Memo on Journal Style Custom Transaction Types
	SuiteAnalytics (Dashboards, Reporting, and Search)	<p>Encrypted Fields Support for Searches</p> <p>Changes to the Criteria and Results Filters when Looking for Saved Searches</p> <p>Audit Trail for Reports with Financial Layout</p> <p>SuiteAnalytics Connect Drivers Update</p> <p>Advance Notice – End of Support for Windows Server 2003 for SuiteAnalytics Connect Drivers</p> <p>Advance Notice – End of Support for Java and .NET Versions That Do Not Support TLS 1.2</p> <p>Project Budget Fields Exposed for Saved Search</p> <p>Period-Specific Consolidation Rates for KPI Scorecards</p> <p>Enhanced Customization for Reports That Use Data from the Locations Feature</p> <p>2016.1 SuiteAnalytics Connect Browser</p> <p>Changes to Shipping Fields Used in Transaction Searches</p>
	CSV Import	<p>CSV Support for Fair Value Price Lists</p> <p>CSV Support for Accounting Book Details</p> <p>Change to CSV Import Country Name for United Kingdom</p>
	SuiteFlow (Workflow Manager)	<p>Updated SuiteFlow Field Labels</p> <p>Improved Workflow Definition Page History Subtab</p> <p>Lead Nurturing Workflow Template</p>
	SuiteScript	<p>RESTlet Concurrency Governance Change</p> <p>Hostname Verification for HTTPS URL Requests – SuiteScript 1.0 and SuiteScript 2.0 Impact</p> <p>Governance Change for SuiteScript 1.0 and SuiteScript 2.0 HTTPS APIs</p> <p>Country Field Value Change – United Kingdom (GB)</p> <p>Triggering of User Event when Custom Record is Attached to or Detached from Parent</p> <p>Enhancements to the Integration Record</p> <p>SuiteScript Support for Custom Segment Values</p> <p>SuiteScript Support for Advanced Revenue Management</p> <p>Change to Required Permission for Attaching Scripts to Custom Forms</p>

Product	Section	Summary
		<p>Changes to the REST Roles Service</p> <p>Enhancements to SuiteScript 1.0</p> <p>Enhancements to SuiteScript 2.0</p> <p>SuiteScript Record Exposures</p> <p>2016.1 SuiteScript Records Browser</p>
	SuiteTalk (Web Services) Integration	<p>Integration Record Enhancements</p> <p>Web Services Support for Custom Segment Values</p> <p>Web Services Support for the Fair Value Price Record</p> <p>Deprecated and Changed Enumeration Values</p> <p>2016.1 WSDL Now Generally Available</p> <p>Araxis Merge Diff File for the 2016.1 Endpoint</p> <p>2016.1 SuiteTalk Schema Browser</p>
	SuiteCloud IDE	Support for SuiteScript 2.0
<b>SuiteApps</b>	SuiteApps (Bundles) Released by NetSuite	<p>Australia Post Integration</p> <p>Customer Part Number</p> <p>Estimated Landed Cost</p> <p>Dun &amp; Bradstreet for NetSuite Integration</p> <p>Enhancements to Payment Gateway Plug-in</p> <p>Grid Order Management Enhancements</p> <p>Recurring Billing Enhancements</p> <p>Software Vertical Contract Renewals Enhancements</p> <p>Electronic Invoicing</p> <p>Dunning Enhancements</p> <p>Czech Republic VAT Control Statement</p> <p>Slovak Republic VAT Ledger Statement</p> <p>Fixed Asset Management Enhancements</p> <p>NetSuite for Outlook Enhancements</p> <p>Last Sales Activity Enhancements</p> <p>Import Withholding Tax Transactions Using Web Services</p> <p>Intrastat Report for Austria</p> <p>SuiteSocial Enhancements</p> <p>Automatic Chargeback Processing</p>

## Accounting

Version 2016 Release 1 includes the following enhancements to accounting features:

- [Advanced Revenue Management](#)
- [OneWorld Consolidation in Secondary Books](#)
- [Custom GL Lines Plug-in Enhancements](#)
- [Change to the Accounting Period Filter on Reports and Searches](#)
- [Fixed Asset Management Enhancements](#)
- [Import Withholding Tax Transactions Using Web Services](#)
- [Intrastat Report for Austria](#)

### Advanced Revenue Management

The Advanced Revenue Management feature is an integral component of the NetSuite order-to-revenue flow. It enables revenue managers and revenue accountants to construct a consolidated revenue arrangement from multiple sales contracts. It automates revenue forecasting, allocation, recognition, reclassification, and auditing through a rule-based event handling framework and complies with the ASC 606 revenue standard. Deferred Revenue Waterfall reports and enhanced Revenue Recognition Forecast reports are included with the Advanced Revenue Management feature.

Configuration of advanced revenue management is complex. NetSuite strongly recommends that you engage NetSuite Professional Services or a NetSuite partner to assist with your implementation.

The Advanced Revenue Management feature replaces these legacy revenue management features:

- Revenue Recognition
- Revenue Commitments
- VSOE
- Sales Order Revenue Forecasting
- EITF 08-01 Revenue Recognition SuiteApp

If you are currently using the legacy revenue management features, you are not required to switch to the Advanced Revenue Management feature at this time. When you are ready to switch, contact your account manager to learn how your company can take advantage of the

new features and capabilities. When you implement advanced revenue management, your legacy revenue recognition schedules will be supported until they are complete. Revenue from new performance obligations will automatically use the advanced revenue management framework.

The legacy revenue recognition features are no longer available to new users. If you are interested in advanced revenue management but do not own revenue recognition now, contact your account manager to request a demonstration of the new feature.

For detailed information, see the help topic [Using Advanced Revenue Management](#).

## OneWorld Consolidation in Secondary Books

The Multi-Book Accounting feature has been enhanced to provide OneWorld consolidation across all accounting books. Now, controllers and accountants can eliminate intercompany transactions and run consolidation reports on both primary and secondary accounting books. This is important for companies that are obligated to keep multiple sets of auditable financial results to satisfy specific GAAP (Generally Accepted Accounting Principles) requirements. Consolidation is not required for all companies. It is not required in all accounting books.

The OneWorld Consolidation in Secondary Books feature is automatically enabled if you have had NetSuite Professional Services provision the Multi-Book Accounting feature in your account.

To enable consolidation for a specific secondary book, go to that accounting book record and check the Enable Consolidation box.

Secondary accounting books enabled for consolidation have access to the following features previously reserved for the primary accounting book:

- Secondary book-specific Consolidated Exchange Rates table – See the help topic [Using Consolidated Exchange Rates](#).
- Access to all period close tasks including intercompany transaction elimination – See the help topics [Using the Period Close Checklist](#), [Tasks and Dependencies for Closing a Primary or Secondary Accounting Book](#), and [Using Automated Intercompany Management for Elimination](#).
- Consolidated reporting on a secondary accounting book – See the help topic [Consolidated Reporting in OneWorld](#).

## Custom GL Lines Plug-in Enhancements

Version 2016 Release 1 includes the following enhancements to the Custom GL Lines plug-in:

- [Custom Segments Supported on Custom GL Lines](#)

- [Setting Entities on Custom GL Lines](#)

## Custom Segments Supported on Custom GL Lines

The Custom GL Lines Plug-in can now set and read custom segment values from custom and standard lines and the body of transaction records. Two new functions have been added for this change: `getSegmentValueId()` and `setSegmentValueId()`.

This change applies only to custom segments that have GL impact.

The default values for column segments are sourced from the body of transactions. The Custom GL Lines Plug-in can now change this value, even for segments that are applied only to the body.

NetSuite assigns custom segment values as follows:

- If a custom segment applies to the body and lines of a transaction, the value is copied from the body to all lines. The plug-in can be used to change the value of the lines.
- If a custom segment applies only to the body of a transaction, the value is copied from the body to all lines. The plug-in can be used to change the value.
- If a custom segment has only a line value, no values are copied.

## Setting Entities on Custom GL Lines

Customers can further customize the GL impact of transactions by setting entities on custom GL lines, and tracking balances at the general ledger level. You can, for example, track the costs of a job according to your own criteria.

Custom GL Lines plug-in implementations now can set values for entities, such as vendors and customers, on any custom GL line created, in both primary and secondary accounting books.

The new method is `customline.setEntityId(Id)`. This method sets the entity ID for a transaction line. Supported entity types include:

- Customers
- Jobs (Projects)
- Leads
- Prospects
- Vendors
- Employees
- Other Names



The following restrictions apply to setting of entities on custom GL lines:

- Setting of a vendor is not supported on lines with an Accounts Payable account type.
- Setting of a customer is not supported on lines with an Accounts Receivable account type.
- Only entities that have the same subsidiary as a transaction can be set on lines for that transaction.
- Only entities that have the same currency as a transaction can be set on lines for that transaction.
- Entities must be active.

**Note:** This method does not set the sales representative for the line, and it does not change the date of the first sale for the customer.

### Example

```
function customizeGLImpact(record, standardLines, customLines, book)
{
    var line = customLines.addNewLine()
    line.setAccountId(6)
    line.setDebitAmount(100)
    line.setEntityId(99)

    line = customLines.addNewLine()
    line.setAccountId(7)
    line.setCreditAmount(100)
}
```

Reports that include GL information and are grouped by entity have been updated to include custom GL information. This change applies to reports where entities are supported by the new method.

GL Impact									
Return to Check #5									
ACCOUNTING BOOK	ACCOUNT	AMOUNT (DEBIT)	AMOUNT (CREDIT)	BASE CURRENCY	POSTING	MEMO	NAME	SUBSIDIARY	CUSTOM SCRIPT
Primary Accounting Book	Petty Cash		500.00	USA	Yes		Anonymous Customer	Parent Company	
Primary Accounting Book	US only Expense	500.00		USA	Yes			Parent Company	
Primary Accounting Book	Checking		200.00	USA	Yes	Checking Account - custom line	ABC Supplies	Parent Company	Custom GL Plugin
Primary Accounting Book	VisaCard	200.00		USA	Yes	Credit Card - custom line	ABC Supplies	Parent Company	Custom GL Plugin

Bank Register					
ACCOUNT	DATE	DOCUMENT NUMBER	PAV	ACCOUNT	BALANCE
Checking	12/17/2015	5	ABC Supplies	Petty Cash	\$18,800.00
Total - Checking					\$0.00
Total					\$0.00

## Change to the Accounting Period Filter on Reports and Searches

Version 2016 Release 1 changes how reports and searches treat transactions posted in inactive periods. Before Version 2016 Release 1, inactive accounting periods were not selectable in

the period filter and were therefore excluded from the report and search results in certain circumstances. Now, both active and inactive accounting periods are selectable in the period filter, ensuring correct report and search results and giving users greater flexibility whether to include or exclude data from inactive periods. Relative time selectors such as Last 12 Periods also now calculate data from inactive accounting periods. NetSuite recommends that you check any manual entry posted for your Retained Earnings Account.

## Administration

Version 2016 Release 1 includes the following enhancements to Administration features:

- [System Notes for Configuration Settings with Financial Impact](#)
- [Prevention of Access to Delete All Data](#)
- [Enhanced Security for Password Reset Process](#)
- [Advance Notice — Deprecation of TLS versions 1.0 and 1.1](#)
- [New Account Mobility Tasks Page: Is Your Account Ready to Move?](#)
- [New Development Environment for NetSuite Customizations](#)
- [Sandbox 2.0](#)
- [Changes to Choose Roles Page and Dropdown list](#)
- [Enhancements to Account Mobility Tasks](#)
- [New URL for Accessing Release Preview](#)
- [NetSuite Implements a Global Distribution Network to Deliver Content Faster](#)
- [Sandbox Refresh Enhancements](#)

### System Notes for Configuration Settings with Financial Impact

Changes to general configuration settings that have a financial impact are now logged in system notes. Areas covered by these newly added system notes include: company information, general preferences, enable features, accounting lists, and tax setup.

The following screenshot illustrates these newly supported system notes:

RECORD ▲	SET BY	DATE	CONTEXT	TYPE	FIELD	OLD VALUE	NEW VALUE
Company Preferences	Mark Wheel	12/8/2015 10:15 am	UI	Change	Create Revenue Recognition Journals in GL	Detail	Summary
Company Preferences	Mark Wheel	12/8/2015 10:15 am	UI	Set	Default Deferred Revenue Reclassification Account		Deferred Revenue
Enable Features	Mark Wheel	12/8/2015 10:10 am	UI	Change	Revenue Recognition	T	F
Enable Features	Mark Wheel	12/8/2015 10:10 am	UI	Change	VSOE	T	F
Enable Features	Mark Wheel	12/8/2015 10:10 am	UI	Change	Advanced Revenue Management	F	T
Enable Features	Mark Wheel	12/8/2015 10:16 am	UI	Change	Charge-Based Billing	F	T
Enable Features	Mark Wheel	12/8/2015 10:16 am	UI	Change	Billing Accounts	F	T
Enable Features	Mark Wheel	12/8/2015 10:16 am	UI	Change	Billing Operations	F	T
Enable Features	Mark Wheel	12/8/2015 10:10 am	UI	Change	Multi-Language	T	F
Enable Features	Christine McKarney	12/8/2015 11:34 am	UI	Change	Custom Segments (Beta)	F	T
Enable Features	Mark Wheel	12/8/2015 10:16 am	UI	Change	Subscription Billing	F	T

The following configuration and setup page changes are now captured in system notes:

- Company Information (Setup > Company > Company Information)
- General Preferences (Setup > Company > General Preferences)
- Enable Features (Setup > Company > Enable Features)
- Expense Categories (Setup > Accounting > Expense Categories)
- Accounting Lists: Payment Method (Setup > Accounting > Accounting Lists)
- Accounting Lists: Term (Setup > Accounting > Accounting Lists)
- Accounting Lists: Cost Category (Setup > Accounting > Accounting Lists)
- Accounting Lists: Budget Category (Setup > Accounting > Accounting Lists)
- Accounting Lists: Subscription Term (Setup > Accounting > Accounting Lists)
- Accounting Preferences (Setup > Accounting > Accounting Preferences)
- Location Costing Groups (Setup > Accounting > Setup Tasks > Location Costing Groups)
- Nexuses (Setup > Accounting > Nexuses)
- Tax Types (Setup > Accounting > Tax Types)
- Tax Codes (Setup > Accounting > Tax Codes)
- Tax Groups (Setup > Accounting > Tax Groups)

You can use searches to find system notes generated for configuration and setup pages. For example, you can create a saved search that shows system notes on any features that have been enabled, as shown in the following screenshot:

Saved System Note Search

Save

Reset

Cancel

Preview

Actions

SEARCH TITLE

Acme System Note Search

PACKAGE

ID

PUBLIC

Criteria

Results

Highlighting

Available Filters

Audience

Use this tab to specify criteria that narrow down your search.

USE EXPRESSIONS

Standard

Summary

FILTER

Formula (Text)

New Value

Old Value

Record Type

Set by

Type

User Fields...

Insert

Remove

Cancel

Preview

Actions

Saved System Note Search

Set

Cancel

RECORD TYPE

any of

Enable Features

You can also filter the results of system notes searches by record type, as shown in the following screenshot:

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

## Prevention of Access to Delete All Data

As of Version 2016 Release 1, NetSuite is limiting access to the Setup > Company > Delete All Data task, to prevent inadvertent deletion of data.

The Delete All Data task is now disabled by default in all production accounts. You can contact NetSuite Customer Support to enable this task in a production account for one-time use. After this task has been used one time, it is automatically disabled. If this task is not used, it is automatically disabled 15 days after being enabled.

Non-production accounts, including Sandbox and Release Preview accounts, continue to have this task available.

## Enhanced Security for Password Reset Process

The process for resetting NetSuite passwords has been made more secure. These changes ensure that the person requesting a password reset is the owner of the email address used for NetSuite login. Information regarding the validity of a submitted email address is never revealed, and passwords are never sent in an email message.

When a user clicks the **Forgot your password?** link on the login page and enters an email address, a message displays indicating that an email message has been sent to the user.

Changes to the password reset process include the following:

- The email message does not contain a password. The email message contains only instructions and a link. Clicking the link ensures that the email address is legitimate and belongs to the user. The instructions lead the user through the necessary steps for a password reset.
- Clicking the link in the email message takes the user to the security questions page. The user must answer all three questions correctly to advance to the password reset page.

- After the user enters a password that meets the account's password policy criteria, a message displays indicating that the user can log in to NetSuite using the new password.
- After the password reset is successful, a confirmation message is sent to the email address from which the reset request was sent.

**Note:** If the user requesting a password reset has the Administrator role in an account, the confirmation email message is also sent to all other users with the Administrator role in that account. If the user requesting a password reset has the Administrator role in more than one account, the confirmation email message is sent to all other users that have the Administrator role in any of these accounts.

Users who do not have security questions set up in NetSuite must contact their NetSuite administrator to reset their password. After the password reset, these users are prompted to set up security questions so that they can reset their own password in the future.

**Note:** This new procedure does not apply to Customer Center users. The procedure for Customer Center password reset is unchanged.

For more details, see the help topic [Getting Access When You Forget Your Password](#).

## Advance Notice — Deprecation of TLS versions 1.0 and 1.1

As part of ongoing enhancements to keep your data safe, support for both inbound and outbound connections to NetSuite using Transport Layer Security (TLS) protocol version 1.0 and version 1.1 will be deprecated later this year.

**The end of support for TLS 1.0 and 1.1 is targeted for September, 2016.**

- After this deprecation of earlier TLS versions, all connections to and from the NetSuite user interface and NetSuite web services must use TLS 1.2.
- The NetSuite checkout domain will continue to support TLS 1.0 and 1.1 until 2017.

Disabling the 1.0 and 1.1 versions of the TLS protocol is in alignment with industry standards from PCI, ISO, IETF, and NIST. NetSuite will continue to update various components and configurations to ensure that our service meets the security commitments we have made to our customers and your data.

See the following for a summary of the impacts of deprecating TLS 1.0 and 1.1 and recommended actions. For more details, see the [FAQ: Transport Layer Security \(TLS\) Deprecations](#).

- [Changes to Supported Browsers for TLS Deprecations](#)
- [Integrations: SuiteTalk \(Web Services\) and TLS Deprecations](#)

- [SuiteScript Outbound Connections and TLS Deprecations](#)
- [SuiteAnalytics Connect Drivers and TLS Deprecations](#)
- [Changes to NetSuite Support Login permissions](#)

## Changes to Supported Browsers for TLS Deprecations

Some older browsers currently used to access NetSuite services that by default do not support TLS version 1.2 will no longer be able to access NetSuite after this change takes effect.

Ensure that your users are using the most current versions of browsers when accessing NetSuite. As of Version 2016 Release 2, NetSuite will officially support only the following browsers:

- Internet Explorer versions 11 and above
- Mozilla Firefox versions 27 and above
- Google Chrome versions 30 and above
- Safari versions 7, 8, 9, and above

## Integrations: SuiteTalk (Web Services) and TLS Deprecations

Any integrations that connect to NetSuite must use TLS version 1.2 to guarantee they continue to work after this change takes effect. Depending on the development environment and language used in an integration, you might be required to upgrade libraries, upgrade client versions, or edit code.

If you update your software and integrations regularly, your integrations should not be affected by the end of support for early versions of TLS. Your integrations will be affected by this change if your company uses integration clients that are now considered outdated and do not support TLS 1.2, for example, outdated integrations built on JDK 1.6 or .Net 4.0.

## SuiteScript Outbound Connections and TLS Deprecations

After this change takes effect, HTTPS requests using the SuiteScript 1.0 API `nlapiRequestURL`, and requests using the SuiteScript 2.0 `https` module will fail the handshake when attempting to connect to servers that do not support TLS 1.2. These calls usually go to third-party servers. You will be required to communicate with managers of any third-party servers to which you connect to ensure they support TLS 1.2.

## SuiteAnalytics Connect Drivers and TLS Deprecations

Upgraded versions of SuiteAnalytics Connect drivers that use TLS 1.2 were available as of January 7, 2016. It is recommended that all SuiteAnalytics Connect users upgrade to these new

drivers from the older drivers that use TLS 1.0. For more information, see the following release notes: [SuiteAnalytics Connect Drivers Update](#), [Advance Notice – End of Support for Windows Server 2003 for SuiteAnalytics Connect Drivers](#), and [Advance Notice – End of Support for Java and .NET Versions That Do Not Support TLS 1.2](#).

## Changes to NetSuite Support Login permissions

NetSuite Version 2016 Release 1 gives you more control over how and when authorized NetSuite staff can access a copy of your account data in an internal QA environment for the purpose of resolving support cases and issues.

Now, when submitting a support case using the case form in SuiteAnswers or the NetSuite Account Center, all users have the option to set the Allow NetSuite Login for this Case field.

Related to this, are changes to the way in which the administrator-set NetSuite Support Login setting works. In 2016.1 the three permission levels work as follows:

- **Always** - with this permission, authorized NetSuite staff can access a copy of your account in an internal QA environment for the sole purpose of troubleshooting reported cases and issues. It requires no additional authorization from you for each open case/issue.
- **Never** - with this permission, NetSuite staff have no access to copies of your data in internal QA environments.
- **Case Duration** - with this permission, access to a copy of your account data in an internal QA environment is provided on a case-by-case basis. The Allow NetSuite Login for this Case field must be enabled on the case form when it is created or updated, and the selected case must still be open.

The NetSuite Support Login preference takes precedence over the Allow NetSuite Login for this Case field on the NetSuite case form. When someone in your company creates a NetSuite support case, the Allow NetSuite Login for This Case field is always visible on the case form but is applicable only when the NetSuite Support Login value is set to Case Duration. If the NetSuite Support Login preference prevents access, even if the Allow NetSuite Login for this Case field is enabled when creating or updating the case, authorized NetSuite staff cannot access a copy of your data in an internal QA environment.

As always, NetSuite authorized staff never access live accounts. This preference is used only to give access to a copy of your account in a secure internal QA environment and never in any of your live environments such as Production, Sandbox, and Release Preview.

Authorized NetSuite staff are specific members of the Support, QA, and Development teams who have been granted permission to access a copy of your account data for the sole purpose of troubleshooting and rectifying the case which you have reported.

For further information about this change, please contact NetSuite Technical Support.



## New Account Mobility Tasks Page: Is Your Account Ready to Move?

The new Account Mobility Tasks page in NetSuite assists customers with accounts that are scheduled for data center moves. This page identifies relevant tasks in each account that must be completed to ensure the account is not bound to a specific data center location. After a move date is assigned for their account, customers can use this page to track their progress in completing these tasks. Users with an Administrator or a System Administrator role can access the page at Setup > Company > Company Management > Account Mobility Tasks.

The main page displays both a Pre Move Task List and a Post Move Task List. Each list contains only tasks that are appropriate, based on the features enabled in each account. A banner appears on the main page after the move date is assigned. Clicking on a specific task opens a secondary page that provides more details about the task and how to complete it, as well as a link to the Help Center for additional information about the task.

Pre Move tasks may include reviewing, verifying, and updating the following: domain names, potential problems in scripts, web services integrations, and SuiteSignOn (Outbound Single Sign-on) implementations.

Post Move tasks may include updating configurations for: SuiteAnalytics Connect, Email Case Capture, SAML Single Sign-on, Inbound Single Sign-on, Email Capture Plug-ins, and the NetSuite Warehouse Management System SuiteApp.

See the [Account Mobility Tasks](#) section in the Help Center for more information.

## New Development Environment for NetSuite Customizations

The NetSuite Development account is a new environment providing an improved experience for developers of NetSuite customizations and an enhanced change management model. NetSuite Development accounts are never refreshed with production data and are not directly tied to production accounts. This separation of these development accounts prevents in-progress customizations from being overwritten by refreshes. Developers working in these accounts do not have access to production data. These new lightweight development accounts support rapid deployment and testing processes.

For more information about the Development account, see the help topics [The Development Account Environment](#), [NetSuite Development Accounts](#), and [SuiteApp Development Process with SuiteBundler](#).

## Sandbox 2.0

NetSuite introduces a new offering, Sandbox 2.0, improving the user experience in a sandbox environment. Sandbox 2.0 accounts have better performance parity with production accounts. Users access Sandbox 2.0 from the same URL they use to access their production account. Account administrators and system administrators can modify the sandbox account name by


adding a suffix to help distinguish it from other accounts. Production and Sandbox roles are labeled in the new Account Type column on the Choose Roles page.

Sandbox 2.0 accounts are hosted in European data centers. In this release, only customers with production accounts running in these data centers will have access to Sandbox 2.0 accounts. For more information, see the help topic [About Sandbox 2.0](#).

## Changes to Choose Roles Page and Dropdown list

Version 2016 Release 1 introduces two modifications to the Change Roles page and the Change Roles dropdown list to help users better distinguish between their production and sandbox environments.

For users who have roles in both production and sandbox:

- A new Account Type column on the Choose Roles page identifies roles as either a Production or a Sandbox role.
- In the Choose Roles dropdown list, sandbox roles are identified by an  icon.

For more information, see the help topics [NetSuite Sandbox](#) and [About Sandbox 2.0](#)

## Enhancements to Account Mobility Tasks

A new entry on the Account Mobility Task page helps ensure that the scripts used to post data to CRM forms will continue to work correctly even 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 such forms as cases, leads, and custom records. The technique of using only a POST method is called screen scraping, and is definitely not a best practice for gathering information.

For the data to persist and be properly posted to a form, a GET method must be called before the 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](#).

Another new task has been added to the Account Mobility Tasks documentation. Before your account is moved to a different data center, any IP addresses and URLs that might have been hard-coded in your company's IT infrastructure must be removed. See the help topic [Locate and Remove Any Hard-coded References to NetSuite Sites](#).

## 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 the help topic [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.

## NetSuite Implements a Global Distribution Network to Deliver Content Faster

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 deliver content to our customers faster.

To help you prepare for this change, we are targeting the deployment of CDNs in sandbox environments in the third quarter (Q3) 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 roll-out schedule will be provided to affected customers.

After this change takes effect, one thing you will notice is 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 what IP addresses 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.

## Sandbox Refresh Enhancements

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

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.

## Banking

Version 2016 Release 1 includes the following enhancement to banking features:

### Account Reconciliation Enhancements

Version 2016 Release 1 offers several usability enhancements to the process of manually reconciling your bank and credit card statements.

Now, when you reconcile these account statements you can access the original transaction record and the entity record from the reconciliation page. In addition, the payor name now displays for each transaction record. For more information, see the help topics [Reconciling Bank Statements](#) and [Reconciling Credit Card Statements](#).

Prior to this version you could place a reconciliation on hold to resume or complete at a later time. In this version, the **Hold** button has been renamed **Complete Later** for clearer user understanding. For more information, see the help topic [Completing a Reconciliation at a Later Time](#).

In Version 2016 Release 1, the bank Reconciliation Detail report has been enhanced to provide the entity name and any memo associated with each bank transaction in a statement period. For more information, see the help topic [Reconciliation Detail Report](#).

Now, when using the Auto Match program for online bank statements, NetSuite ignores the leading zeros in the QIF file, which improves the number of automatically matched transactions based on check number. For more information, see the help topic [Using Auto Match for Online Bank Statements](#).

## Customer Relationship Management (CRM)

Version 2016 Release 1 includes the following enhancements to CRM features:

- [More Secure External URLs](#)

- Group Editing Restricted to Group Owner by Default
- NetSuite for Outlook Enhancements
- Last Sales Activity Enhancements
- Duplicate Detection and Merge Enhancements

## More Secure External URLs

Version 2016 Release 1 upgrades the security level of all URLs used to link to pages, forms, and files in NetSuite that can be linked externally. This applies to all accounts and includes URLs for online case forms, support case reply pages, online custom record forms, online customer forms, as well as downloadable items on websites. The URLs for these pages and files are updated in the UI when your account is upgraded to Version 2016 Release 1.

Administrators should copy these URLs from each form's setup page (distinguishable by a much longer h= parameter) and update all links they provide through external locations. For example, if you have set up online customer forms, you must copy the new URL from the External subtab of the online customer form record and update the URL used in links to this form you provide on your website or through email templates.

Existing URLs will continue to work until NetSuite Version 2017 Release 2. After this release, they will no longer work.

**Important:** A refinement to the hash string was added on 11 March 2016. This is applied to all newly-generated URLs. Users of the previously updated URLs, which contained a significantly longer hash in the URL, should update their links again before the release of NetSuite Version 2017 Release 2.

## Group Editing Restricted to Group Owner by Default

After NetSuite Version 2016 Release 1, when creating a new group, the **Restrict Group Editing to Owner** box is checked by default. This option restricts group modification to the owner of a group. Prior to this release, this box was clear by default.

Additionally, existing groups with access to file cabinet folders containing SuiteScripts have been updated to have this box checked. Group owners may change this setting, but it is recommended that you apply appropriate role-based permissions to restrict access to these folders.

## Deprecation of Unused "documentstatus" Field on Opportunity Record

As of NetSuite Version 2016 Release 1, we will be deprecating the field **documentstatus** from the opportunity record. Although this change is unlikely to lead to any user impact, we recommend removing any reference to this field in any scripts you may be running. For further information or assistance, please contact NetSuite Customer Support.

## Duplicate Detection and Merge Enhancements

To prevent the merging of records that are not duplicates, you can no longer merge two records if they do not have the same tax registration number or if both records do not have tax registration numbers entered.

Additionally, if you use NetSuite OneWorld, records with different subsidiaries cannot be merged.

## Employee Management

Version 2016 Release 1 includes the following enhancements to employee management features:

- [Weekly Time Sheet Enhancements](#)
- [Payroll Item Workplace Field for Time Transactions](#)
- [Time Thresholds](#)

### Weekly Time Sheet Enhancements

The weekly time sheet available with the Time Tracking feature has been updated and improved with several new features. The updated weekly time sheet offers employees an easier and more intuitive time tracking form where they can enter time for an entire week.

- [View Submitted Time Entries in Edit Mode](#)
- [Copy Weekly Time Sheets](#)
- [Weekly Time Sheet List and Search](#)
- [Advanced Approvals](#)

### View Submitted Time Entries in Edit Mode

You can now view and edit your weekly time sheet at the same time. Prior to this release, after a weekly time sheet was submitted and time recorded the time was no longer visible on the time sheet. Now, after you save the time sheet, the entries remain visible, enabling you to edit existing entries or create new entries.

**Note:** You can edit only those time entries that are available for editing. Time entries that have been charged, posted, billed, or approved are no longer available for editing.

Time entries will be grouped on the same line when they have the same project, task, details, and availability for editing. After you have submitted or saved a time sheet, approved entries appear with a green background, and unapproved entries appear with a blue background.

## Copy Weekly Time Sheets

There is a new Copy Previous Week button on the weekly time sheet. This button enables employees to copy time entries from a previous week on to the current time sheet. Prior to this release, new entries had to be entered each week.

**Note:** The Weekly Time Sheet is only available for the Time Tracking feature.

Clicking the Copy Previous Week button opens a pop up window where you can select the start date of the time sheet that you would like to copy. Click Copy and all details, except approval status from the time entries within the selected week, are added to the current time sheet. This enhancement is especially useful to employees who track the same time each week.

**Note:** Copying a time sheet does not overwrite the time sheet you are currently editing. The copied entries are added to any existing entries.

## Weekly Time Sheet List and Search

You can now search and view a list of weekly time sheets. Go to Transactions > Employees > Weekly Time Sheet > List to see a list of weekly time sheets. The time sheets that are available in your list depends on the permissions your role is assigned. The weekly time sheet list displays the employee, start date, total hours, and approval status of each time sheet. The list also offers the ability to apply filters and create a custom list view. Click the New Weekly Time Tracking button at the top of the page to go to open a new time sheet.

Go to Transactions > Employees > Weekly Time Sheet > Search to enter criteria for searching your weekly time sheets.

## Advanced Approvals

With Version 2016 Release 1, you can enable advanced approvals for Time Tracking. Advanced approvals offers additional statuses and a color-coded display when viewing time sheets. To enable the preference, go to Setup > Accounting > Accounting Preferences and click Time & Expenses. Under Time Tracking, ensure the **Require Approvals on Time Records** box is checked, and check the **Advanced Approvals on Time Records** box. Click Save.

After you have enabled the preference, the Supervisor Approval field on time entries and the weekly time sheet is replaced by an Approval Status field. This field is editable by supervisors, administrators, and time approvers. With the Advanced Approvals preference enabled, this field enables you to set the status of time entries to Open, Pending Approval, Approved, or Rejected. When viewing the weekly time sheet, approved entries are displayed with a green background, open entries have a white background, rejected entries have a red background, and pending entries have a blue background.

After you have enabled Advanced Approvals on Time Records, you can also use SuiteFlow and Approval Routing to create custom approval workflows for your time entries. Custom approvals are available for only time entry records and do not apply to weekly time sheets. For more information, see the help topics [SuiteFlow Overview](#) and [Approval Routing](#).

## Payroll Item Workplace Field for Time Transactions

You can now select a payroll item workplace on time transactions. A Payroll Item Workplace field has been added for both Time Tracking and Timesheets.

**Important:** The Payroll Item Workplace field requires both the Enhanced Premier Payroll feature and the Multi-State Calculation preference to be enabled. For more information, see the help topic [Enhanced Premier Payroll](#).

This field is used to track the payroll location of your employees when they are completing their work for tax purposes. For more information, see the help topic [Complying with Tax Requirements for Multi-State Employees](#).

## Time Thresholds

With Version 2016 Release 1, you can now set time thresholds for both Time Tracking and Timesheets. Time threshold preferences enables you to specify the minimum and maximum number of hours permitted per day and week. You can set one or all of these preferences to limit the number of hours permitted to be tracked on a weekly basis. You can opt to set the limits manually, or you can have the limits set automatically based on the work calendar. You can also choose to permit time transactions to be submitted outside the limits you set.

To set time thresholds, go to Setup > Accounting > Accounting Preferences and make selections for time thresholds at the bottom of the Time Tracking section.

For more information about time transactions and preferences in NetSuite, see the help topic [Time Tracking or Timesheets](#) and [Time & Expenses Accounting Preferences](#).

## Order Management

Version 2016 Release 1 includes the following enhancements to order management features:

- [Automatic Assignment of Fulfillment Locations to Sales Order Lines](#)
- [Billing Tab and Dashboard](#)
- [Payment Processing Enhancements](#)



- [Ending Support for eBay Integration](#)
- [Australia Post Integration](#)
- [Grid Order Management Enhancements](#)
- [Enhancements to Payment Gateway Plug-in](#)
- [Electronic Invoicing](#)
- [Dunning Enhancements](#)
- [Recurring Billing Enhancements](#)
- [Software Vertical Contract Renewals Enhancements](#)
- [Automatic Chargeback Processing](#)

## **Automatic Assignment of Fulfillment Locations to Sales Order Lines**

With Version 2016 Release 1, the new Automatic Location Assignment feature lets you set up rules to automatically have the ideal fulfillment location set on sales order lines. This feature enables you to fulfill orders by taking into account a customer's shipping address and your fulfillment locations, thereby reducing shipping costs and improving customer satisfaction.

The Automatic Location Assignment feature is part of the new Advanced Order Management module. For more information about this module, contact your account manager.

For more information about Automatic Location Assignment, see the help topic [Automatic Location Assignment](#).

Automatic Location Assignment includes the following changes and enhancements:

- [Location Record Enhancements](#)
- [New Region Record](#)
- [Automatic Location Assignment Rules](#)
- [Automatic Location Assignment Configurations](#)

### **Location Record Enhancements**

The Automatic Location Assignment feature includes the following changes to the location record:

- Time Zone field – New field to specify the location's time zone.
- Location Type field – New field to classify a location as a store or a warehouse.

- Latitude and Longitude fields – New fields to specify a location's geographic coordinates.
- Fulfillment subtab – New subtab to allow or disallow automatic location assignment on a per-location basis. You can limit usage of the location to shipping addresses in specific regions.

This additional information is used to define rules that NetSuite uses to determine which location is automatically assigned to a sales order line.

## Geographic Coordinates

With the Automatic Location Assignment feature, locations now have latitude and longitude coordinates. Geographic coordinates are used when you create a rule to assign fulfillment locations that are closest to the shipping address. You can let NetSuite calculate coordinates automatically (based on the centroid of a location's postal code), or you can manually enter the precise coordinates of a location for highest accuracy.

For more information, see the help topic [Geographic Coordinates](#).

## New Region Record

The region record is new for Version 2016 Release 1. This record enables you to define the geographical areas to which you ship goods.

You can create regions according to a variety of criteria such as country, state, or postal code. For example, you might create one region based on a range of postal codes in a particular state and another region for countries to which shipments are prohibited.

After you define your regions, you select those regions on location records and you then rank your locations in order of priority for each region. You can then create a rule that assigns locations according to the ranking of locations in a region.

For more information, see the help topic [Setting Up Regions for Automatic Location Assignment](#).

## Automatic Location Assignment Rules

Use automatic location assignment rules to determine how NetSuite sets fulfillment locations for lines in a sales order. Rules can be based on any of the following criteria:

- Location type
- Distance between shipping addresses and fulfillment locations
- Locations grouping strategy
- Optimal fulfillment criteria (closest location or location ranking)

You can include any number of rules in a configuration. Depending on the availability of inventory at a fulfillment location, NetSuite evaluates as many rules as required until all lines in a sales order have a location. You can still assign a location manually if a suitable location was not assigned automatically.

For more information, see the help topic [Automatic Location Assignment Rules](#).

## Automatic Location Assignment Configurations

Automatic location assignment configurations contain the rules that NetSuite uses to automatically assign locations. You can add multiple rules to a configuration and set the order in which the rules are evaluated by moving them up or down in the list. You can create multiple configurations, each of which can contain a different set of rules. You must set one configuration as the active configuration. In a OneWorld account, you can set a different active configuration for each subsidiary.

For more information, see the help topic [Automatic Location Assignment Configurations](#)

## Billing Tab and Dashboard

Version 2016 Release 1 introduces the Billing tab and dashboard. Developed for accounts receivables professionals and billing managers, the Billing dashboard provides a centralized location for managing invoices and bill runs. To access the Billing dashboard, click the Billing tab when logged in to NetSuite using the A/R Clerk role.

From the Billing dashboard you can view multiple billing-related portlets from which you can complete billing-related tasks. Examples of portlets include KPI indicators and meters as well as trend graphs and reminders. You can also access multiple billing and transaction-related areas of NetSuite including sales transactions, billing operations, and reports. The portlets, data, and links available are dependent upon your role's permissions.

For more information, see the help topic [Using the Billing Tab and Dashboard](#).

## Payment Processing Enhancements

The following enhancements have been made to payment processing in Version 2016 Release 1.

### CyberSource Transition to Akamai

CyberSource recently announced the implementation of Akamai technology into their network environment for enhanced reliability and protection. You might have received an email notification from CyberSource detailing changes that you must make to accommodate this change.

No action is required by you. In NetSuite Version 2016 Release 1, we have made the required changes for all CyberSource accounts.

### **CC Approved Box not Checked by Default on Cash Sales with Unapproved Payment Status**

Prior to Version 2016 Release 1, when you edited a cash sale that was created from a sales order and had the Unapproved Payment status, the CC Approved box on the Billing subtab was checked by default after saving the cash sale. This occurred even if this box was unchecked before saving the cash sale.

Now the CC Approved box retains its value and is not checked by default after saving the cash sale.

### **P/N Ref Values Retained on Transactions Related to a Sales Order**

Prior to Version 2016 Release 1, there were issues with how the payment reference (P/N Ref.) code was maintained between a sales order and its related transactions. The payment reference code (P/N Ref.) of subsequent transactions would overwrite the reference codes of prior transactions related to the same sales order.

With Version 2016 Release 1, the payment reference code in the P/N Ref. field does not change upon the creation of other transactions. For example, the payment reference code of a cash sale created from a sales order does not overwrite the original reference code of the sales order. Similarly, the reference code of a customer refund created from a cash sale does not overwrite the reference code of the cash sale. Instead, each transaction retains the payment reference code received from the payment gateway.

This change does not apply for transactions processed through the WorldPay payment gateway.

### **Change in Discount Taken Calculation on the Apply Subtab of Customer Payments**

Prior to Version 2016 Release 1, there were issues with how discounts were calculated and displayed on customer payment transactions both for internal users and in the Customer Center. These issues included the Discount Taken field on a customer payment being improperly populated, or the discount not being applied on customers' partial payments.

With Version 2016 Release 1, these issues are resolved and discounts are correctly calculated.

If you have any customizations or SuiteScripts that execute on the Apply subtab of the customer payment transaction, please review your scripts and ensure they accommodate the new discount calculation.

NetSuite recommends testing your SuiteScripts or customizations in your NetSuite Sandbox or beta account before your production account has been upgraded to Version 2016 Release 1.

## No CyberSource Decision Manager Validations on Recurring Payments

With Version 2016 Release 1, recurring payments processed through CyberSource now do not undergo the CyberSource Decision Manager validations. This reduces the number of unnecessary validations the Decision Manager must perform on already trusted credit cards. This also limits the manual checks you might be required to perform.

Sales orders with recurring payments have the Recurring Payment box checked on the Billing subtab. For more information about recurring payments, see the help topic [Maintaining Recurring Credit Card Payments](#).

## Ending Support for eBay Integration

The eBay Integration feature will no longer be supported in NetSuite as of Version 2016 Release 1. The feature was no longer available for purchase as of October 2015. To provide customers with enough time to implement alternate solutions, all eBay integration capabilities will be removed from NetSuite in Version 2016 Release 2.

## Timeline for Changes in NetSuite

Changes will occur in NetSuite leading up to the end of support for eBay Integration. Details are listed below:

### October 2015

- eBay Integration feature is no longer available for purchase.
- Online help topics updated with information about scheduled end of support.

### Version 2016 Release 1

- End of support for eBay Integration.

### Action Required

NetSuite recommends that you disable eBay integration by the time your NetSuite account is upgraded to Version 2016 Release 1. To disable eBay integration, you must deactivate the token ID that links your NetSuite account to eBay.

## Deactivate the Token ID

To deactivate the token ID, log in to NetSuite. Go to Setup > eBay > Set Up eBay, then next to Token Status, click Deactivate.

After you deactivate the token, eBay integration with your NetSuite account will be disabled. NetSuite recommends that you also remove any customizations that may involve eBay

Integration. If you require assistance to locate or remove website or SuiteScript customizations, please contact NetSuite Customer Support.

## Items and Inventory Management

Version 2016 Release 1 includes the following enhancements to items and inventory management features:

- [Balance Location Costing Group Accounts](#)
- [Retail Stock Ledger Report](#)
- [Inventory Costing Improvements](#)
- [Commit Orders Page Enhancements](#)
- [Item Ordering Enhancements](#)
- [Custom Inventory Adjustment Column](#)
- [Line Level Ship-to on Credit Memo](#)
- [Customer Part Number](#)

### Balance Location Costing Group Accounts

If you have enabled the Multi-Location Inventory feature and use Group Average Costing, in Version 2016 Release 1 you can enter costing adjustments to ensure that item costs are consistent within costing groups and that location balance sheets are accurate. The Balance Location Costing Group Accounts (BLCGA) form enables you to periodically adjust location inventory accounts for group average cost items. Doing so ensures that the inventory account balance at each location calculates accurately as (location quantity) x (group average cost).

Group Average Costing enables you to track the average cost for an item across locations using location costing groups. Prior to Version 2016 Release 1, for a transaction entered for one location, NetSuite calculated the average cost across all locations in the location costing group. This average cost is calculated from the total quantity and the total value based on the most recent transaction entered. The calculated average cost is then assigned for that item in all locations within the costing group. After this average cost is assigned, the item quantity multiplied by the new average cost may not match the account balances shown for adjusted locations because an account adjustment did not post to the general ledger.

Now, in Version 2016 Release 1, you can enter a bulk transaction to adjust inventory costs in each location so that the location balance sheets match. To keep location accounts in sync, you can periodically use the new BLCGA form. Using the BLCGA form, NetSuite examines in bulk all the transactions within each location in a costing group. Transactions are examined from the point in time that the most recent previous adjustment was run. Based on these transactions, NetSuite determines the appropriate account variance and posts a cost adjustment to the

general ledger. After all positive and negative adjustments post, location costing group accounts should balance close to zero, depending on rounding.

For details about Group Average Costing, read the help topic [Group Average Costing](#).

For details about the form, read the help topic [Balance Location Costing Group Accounts](#).

## Retail Stock Ledger Report

In NetSuite Version 2016 Release 1, the new Stock Ledger report is available to help you manage inventory by showing activity for items across a period of time.

The Stock Ledger report is a tool to help you understand inventory SKU activity across classes, departments, and subsidiaries for multiple locations such as stockrooms, warehouses, and retail stores. It can help identify inventory items that are slow-moving, fast-moving, or overstocked. It can help identify inventory investment strategies and planning, as well as improve the effectiveness of item promotions.

To use the Stock Ledger report, you must have the Inventory feature enabled in your account.

If the Multi-Location Inventory feature is enabled in your account, the Stock Ledger report supports multiple location reporting using a multi-select filter to choose one or more locations.

To see the Stock Ledger report, go to Reports > Inventory/Items > Stock Ledger (Administrator).

## Inventory Costing Improvements

The following improvements have been made to inventory costing processes in NetSuite for Version 2016 Release 1. They improve system performance and offer tighter control for accounting period data changes.

### Group Average Costing Feature

Now, you can enable the Group Average Costing feature without contacting NetSuite Customer Support.

To enable Group Average Costing, go to Setup > Company > Setup Tasks > Enable Features.. On the Items & Inventory subtab, check the **Group Average Costing** box, then click Save.

For details about the feature, read the help topic [Group Average Costing](#).

### Optimized Costing Calculation for Standard Cost Serial and Lot Numbered Items

In NetSuite, serial and lot numbered items typically use specific costing, and inventory costing is calculated for each serial and lot number of the item. Using specific costing, the cost for an

item is calculated as the sum of the cost for each serial or lot number sold because individual items can have different purchase costs. However, for items that use standard costing, the cost is fixed and the cost for individual serial or lot numbers is not relevant.

To improve performance, NetSuite no longer uses Specific costing for serial and lot numbered items marked as Standard Cost items. This eliminates running unnecessary inventory costing for these items, which helps optimize costing calculations and system performance.

## Use Deferred Costing to Improve Performance

Prior to Version 2016 Release 1, calculations occurred in real time when a transaction or form was submitted that triggered inventory costing. Now, using Version 2016 Release 1, you can choose to use deferred costing.

Using deferred costing, calculations run once per day in the background instead of immediately each time costing is triggered by entering or changing a transaction. This can improve performance in your account by deferring calculations to non-peak times.

At the designated time, costs are calculated for transactions during that day that trigger inventory costing. NetSuite sequences costing events to process inputs prior to outputs.

When costing is deferred, your NetSuite account does not reflect real-time costing.

**Note:** Existing NetSuite accounts will continue to use real-time inventory costing. To change an existing NetSuite account to use deferred costing, contact customer support. New account users that require real-time inventory costing should contact customer support.

## Disallow Costing Changes in Closed Periods

Version 2016 Release 1 gives you better control of inventory costing related to closed accounting periods.

Prior to Version 2016 Release 1, you could enter changes to transactions that posted in closed periods if the change you made did not directly create a general ledger post. However, changes in some fields can trigger inventory costing calculations for an item even without posting to the general ledger which can cause inventory costing errors and failures.

As an example, if you backdate a transaction by two years, this can trigger inventory costing calculations for items on the transaction that take a long time for NetSuite to resolve and can lead to errors. Similarly, if you enter a new inventory transaction that is backdated, this can lead to new inventory costing calculations for those items.

In Version 2016 Release 1, the new **Create and edit inventory transactions dated in closed periods** preference prevents changes to transactions that would result in inventory costing calculations in closed periods.



**Note:** When this preference is enabled in NetSuite OneWorld accounts, this global preference affects all subsidiaries.

An administrator can enable this preference at Setup > Accounting > Accounting Preferences on the General subtab under General Ledger.

**Note:** Even if you enable the preference and allow editing and creation transactions dated in a closed period, you may still see the following error that requires you to enter posting changes to an open period:

"The transaction date is not within an open accounting period. One or more fields on this transaction can trigger inventory costing calculations in a closed period. Click OK, and then do one of the following:

Change the transaction date to a date within an open accounting period if this is a new transaction.

Cancel the edits that affect the GL if you are editing a previously entered transaction."

## Commit Orders Page Enhancements

In NetSuite Version 2016 Release 1, the following enhancements have been made to the Commit Orders page.

### Item List Sorting

Previously, when using the Commit Orders page, the list of items could be sorted only by clicking a column heading. This sorting method limited sorting options to one parameter. Now, column heading sorting has been disabled. Three new fields have been added to enable better sorting functions when sorting the list of items to commit.

In the Processing Options section, make a selection in one or more of these three fields to sort:

- Sort By
- Then By
- Then By

Sorting options for each field include the following:

- Commit
- Customer
- Item

- Location
- Order #
- Order Priority
- Order Qty
- Qty Committed
- Qty Fulfilled
- Transaction Date
- Transaction Type
- Expected Ship Date

**Note:** Using the expected ship date requires that the Demand Planning feature is enabled in your account. The Expected Ship Date field now shows on the Commit Orders page even if the Demand Planning feature is not enabled. If the Demand Planning feature is not enabled, the expected ship date is equal to the transaction date.

Beneath each field you can check the Descending box if you want results to return in descending order instead of ascending order. This box is clear by default. The sorting sequence applies to all orders if the Select All Orders box in the header is checked. NetSuite remembers your sorting choices the next time you open the Commit Orders page.

**Note:** If the Perform Item Commitment After Transaction Entry preference is not enabled, these sorting selections take priority over the preference only if the sorting sequence fields on the Commit Orders page are left blank. Therefore, selections in the sorting sequence fields on the Commit Orders page override the Perform Item Commitment After Transaction Entry preference.

## Customization

The item list on the Commit Orders page now includes a Customize button. Click the Customize button to add columns or filters to the item list. For details about customizing a form, read the help topic [Creating Custom Entry and Transaction Forms](#).

## Item Ordering Enhancements

In NetSuite Version 2016 Release 1, the following enhancements have been made to the Order Items page to increase efficiency of processing orders.

To use these enhancements to the Order Items page, you must have the Purchase Orders feature enabled in your account.

## Contract Column for Line Items

The Contract column on the Order Items page enables you to select a valid contract for planned items. A contract shows in this field by default if you select the contracted vendor as the preferred vendor on the item record.

The preferred vendor contract shows by default, but if multiple contracts exist for an item, you can specify which contract to use by selecting the appropriate vendor and contract.

Only valid contracts are displayed in the Contract field. The contracts available to be selected depend on the vendor selected for the line.

## Multiple Planned Order Lines Consolidated on Orders by Vendor

When the Order Items page is submitted, multiple planned order lines are consolidated on purchase orders by vendor.

The **Maximum Purchase Lines to Consolidate** preference limits the number of lines on each order. Order lines are consolidated regardless of planned order date or line-level expected receipt date.

## Maximum Purchase Lines to Consolidate

Use the **Maximum Purchase Lines to Consolidate** preference to reduce the number of purchase orders generated to process purchases.

Enter a number to define the maximum number of lines to consolidate on purchase orders. This limit applies when you submit multiple orders on the Order Items page and items from one or more planned orders are combined on a single purchase order.

For example, if you set this preference to 25 and the Order Items page has 50 lines for the same vendor, two purchase orders are generated, each with 25 lines.

Note that the setting for this preference affects lines consolidated from both the Order Items page and the Order Requisitions page. For details, read Order Management Accounting Preferences.

## Mark All Lines

Select all rows on the Order Items page with one click by checking the Mark all box at the top of the Select column.

## Custom Inventory Adjustment Column

Now, using NetSuite Version 2016 Release 1, you can add an Inventory Adjustment column on Inventory Adjustment or Inventory Transfer forms using custom transaction column fields. To

do so, go to Customization > Lists, Records & Fields > Transaction Column Fields > New. On the Applies To subtab, check Inventory Adjustment or Inventory Transfer and click Save.

For details about custom columns, read the help topic [Custom Transaction Column Fields](#).

For details about adding the column to a transaction form, read the help topic [Configuring Fields or Screens](#).

## Line Level Ship-to on Credit Memo

In NetSuite Version 2016 Release 1, we extended support for item-line shipping to credit memo transactions. Item-line shipping allows you to specify different shipping addresses and carriers for individual items on invoices and sales orders. As well as providing greater transactional control, tax calculations are now more accurate as each line can specify its own individual tax rate. For stand-alone credit memo records, item-line shipping is enabled from a check box on the Items tab. Credit memos generated from invoices using item-line shipping, have it applied to the credit memo by default. Enabling item-line shipping adds the Ship to, Carrier, and Ship Via fields to the item entry form on the Items tab, and updates the Shipment form on the Shipping tab to reflect the multiple shipping routes selected.

## Mobile

Version 2016 Release 1 includes the following enhancements to NetSuite mobile products:

- [NetSuite for Android 4.0](#)
- [NetSuite for iOS 5.0](#)

### NetSuite for Android 4.0

Available in Spring 2016, NetSuite for Android 4.0 brings together a combination of performance enhancements, elegant interface refinement, and the addition of powerful new logging and scripting abilities, including:

- [Phone Call Logging](#)
- [User Interface Enhancements](#)
- [Grid View on Saved Searches](#)
- [Calendar Date Format Aligned with Server Preferences](#)

### Phone Call Logging

NetSuite for Android 4.0 introduces call logging. You can track both inbound and outbound calls and log them to NetSuite without initiating calls from within the app.

You can enable Call Logging from the app settings menu. After enabling call logging, you are prompted with a Save to NetSuite popup after each call. If you accept, depending on the amount of information available about the caller, the call duration and entity called is recorded and appended to the appropriate customer record in NetSuite.

## **User Interface Enhancements**

The login screen has been redesigned to provide an attractive, uncluttered entry point. The dashboard, menus, and icons have also been refreshed to provide a strong, unified design familiar to Android users.

## **Grid View on Saved Searches**

NetSuite for Android 4.0 now supports using grid view for displaying user favorites and the records list. These updates make your most frequently used records easier to access.

## **Calendar Date Format Aligned with Server Preferences**

The date format used in the app's calendar heading now matches the one set in your NetSuite desktop account. Previous versions used the format set on the device.

## **NetSuite for iOS 5.0**

NetSuite for iOS 5.0 introduces new features that keep you up to date from anywhere your business takes you. Integrating with Apple's notification center, you can be notified of any changes to key business information whether you are logged in to the NetSuite app or not. Features include:

- [Push Notifications](#)
- [Actionable Items from the Notification Center](#)
- [Support for Time Tracking](#)
- [Enhanced View Options](#)

## **Push Notifications**

NetSuite for iOS 5.0 brings the convenience of push notifications to your NetSuite mobile experience. You can set notifications for event invitations and reminders, approval routing requests, and updated or new records matching criteria you define. No additional permissions are required to receive push notifications, and all roles are supported. Push notifications are also supported by Apple Watch.

## **Actionable Items from the Notification Center**

Closely linked to the push notification feature, users are now able to accept or decline events directly from the iOS notification center.

## Support for Time Tracking

You can now record time using NetSuite's Time Tracking feature. To access Time Tracking features in the app, click My Time in the Navigation Tap Bar. Depending on your role and permissions, you can add new time entries, view existing time entries, and edit unapproved time entries. For more information on time tracking see the help topics [Time Tracking](#) and [Managing Your Time Using the My Time Feature](#).

## Enhanced View Options

NetSuite for iOS 5.0 now supports landscape mode across the entire app. Simply rotate the device to access landscape mode and see your data from a broader perspective.

# Projects

Version 2016 Release 1 includes the following enhancements to Projects features:

- [Recurring Resource Allocations](#)
- [Inline Editing for Resource Allocations](#)
- [Custom Interval Billing Rates](#)
- [Asynchronous Project Plan Recalculation](#)

## Recurring Resource Allocations

With Version 2016 Release 1, you can create recurring resource allocations. For ongoing projects, you can create a single resource allocation that is set to recur on a daily, weekly, monthly, or yearly basis. You have the option to choose how the resource allocation recurs and set start and end dates.

When you create a recurring resource allocation, one record is created. It is not possible to edit a single instance for a recurring allocation. You must edit the entire allocation. Recurring resource allocations honor the working calendar when scheduling future allocations. If a future allocation does not include any working days, NetSuite distributes the allocation evenly among all included non-working days. For more information, see the help topic [Resource Allocations](#).

## Inline Editing for Resource Allocations

You can now use inline editing when viewing the resource allocations list.

To use inline editing, click the Edit switch at the top of the list to set it to the on (green) position. You can now edit the following fields directly in your resource allocations list: Start Date, End Date, Notes, Number of Hours, Percentage of Time, Allocate By, Allocation Type, Next Approver, and Approval Status.

**Note:** When updating the **Allocate By** field, any necessary recalculations to the Number of Hours and Percentage of Time fields occur after the page is refreshed.

If you make changes to both the Number of Hours and Percentage of Time fields, NetSuite will first look at the **Allocate By** field to determine which change to honor. For example, if the **Allocate By** field is set to Hours, then NetSuite will recalculate based on the change made to the Number of Hours field and ignore any updates made to the Percentage of Time field.

Some custom fields are also available for inline editing depending on how they are set up. You can use inline editing to delete resource allocation records directly from the resource allocations list. In the New column, hover over the arrow to display additional options, and click Delete Record. For more information, see the help topic [Resource Allocations](#).

## Custom Interval Billing Rates

With Charge-Based Billing, you can now create custom interval billing rates to use with time-based charge rules on projects. Custom interval billing rates are created by selecting a units type and sale units on service items, billing classes, or time-based charge rules. You define the units and rate by creating a new unit of measurement at Lists > Accounting > Units of Measure > New.

**Note:** The Multiple Units of Measure feature is required to use custom billing rates. For more information, see the help topic [Multiple Units of Measure](#). To use custom billing rates with billing classes, you must also enable Per-Employee Billing Rates. For more information, see the help topic [Using Billing Classes](#).

After you have set up your custom interval billing rates and created a time-based charge rule for that rate, when time is entered on your charge-based project, charges are generated using the custom interval billing rate. For more information, see the help topic [Understanding Charge Rules](#).

## Asynchronous Project Plan Recalculation

With Version 2016 Release 1, you can enable a new preference that recalculates your project plans in the background when time is tracked against that project. This is especially useful for very large projects with many tasks, charge rules, or assignees. When project plans recalculate asynchronously, you maintain access to NetSuite and your project plans during recalculation. Previously, when time was tracked against a large project, recalculation occurred in real time, causing a delay in saving the time transaction.

**Note:** Because recalculations are asynchronous, project plan data may be out of date when accessed before the recalculations are complete.

When the recalculation is complete, the updated project plan is displayed the next time it is opened. If the recalculation fails for any reason, a warning appears at the top of the project the next time it is opened.

To enable the preference, go to Setup > Company > General Preferences. Check the Asynchronous Project Plan Recalculation box, and click Save.

## Vendors, Purchasing, and Receiving

Version 2016 Release 1 includes the following enhancements to vendors, purchasing, and receiving features:

- [Global Vendor Credit Limit](#)
- [Shared Vendors Merge](#)
- [Estimated Landed Cost](#)

### Global Vendor Credit Limit

Version 2016 Release 1 enables you to set a global credit limit for each vendor and any assigned subsidiary. The credit limit sets a maximum currency amount that should be spent using credit without making a payment. NetSuite validates the transaction amounts on purchase orders and vendor bills against the specified global credit limit and displays those values on the vendor's record. For more information, see the help topics [Adding a Vendor Record](#) and go to the [Financial](#) subtab.

You can customize your purchase orders and vendor bills to display the available credit for vendors. To display this value you must first enable accounts payable preferences. You must then customize the purchase order and vendor bill by adding the Available Vendor Credit screen field. This field displays the remaining credit for a vendor before a payment is received. It is converted from vendor's primary currency into the transaction currency. If the transaction exceeds the vendor's credit limit, a warning message appears indicating the exceeded credit amount. The message does not prevent you from saving the transaction. For more information, see the help topics [Entering a Purchase Order](#) and [Vendor Bills](#).

CSV imports do not display an error for vendors or subsidiaries exceeding their credit limits.

### Shared Vendors Merge

In Version 2015 Release 1, NetSuite provided the ability to share a single vendor record with multiple subsidiaries. Prior to Version 2016 Release 1 you could merge vendor records as long as both vendors shared the same primary subsidiary. This restriction prevented clean-up of redundant vendor records assigned to one or more subsidiaries. Now, in Version 2016 Release 1 NetSuite enables you to merge vendor records that have different and multiple subsidiaries.

The tax IDs and tax registration numbers must be the same to merge vendor records. The primary currencies must also be the same to merge vendor records, or the multiple currency vendor feature must be enabled. You cannot merge tax agency vendors.



After the merge, the target vendor contains all of the subsidiaries from the source and target vendors. The target vendor also contains all enabled currencies from both vendors as well as open and closed transactions. Any attribute conflicts, credit limits, and tax codes are those associated with the target vendor.

For more information, see the help topic [Merging Vendor Records](#).

## Taxation

Version 2016 Release 1 includes the following enhancements to taxation features:

- [Czech Republic VAT Control Statement](#)
- [Slovak Republic VAT Ledger Statement](#)

## User Interface

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

- [Advance Notice – End of Support for Internet Explorer 10](#)
- [Advance Notice – End of Support for Google Chrome on Windows Vista and Mac OS X Versions 10.6, 10.7, and 10.8](#)
- [Advance Notice – End of Support for Safari 6](#)
- [SuiteSocial Enhancements](#)

### Advance Notice – End of Support for Internet Explorer 10

As of January 2016, Microsoft is no longer supporting Internet Explorer 10 and older versions of the Internet Explorer web browser. As of January 12, 2016, Microsoft no longer provides 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 Version 2016 Release 2, NetSuite will no longer test or address any issues related to Internet Explorer 10.

If you continue to use Internet Explorer 10 until then, please note that NetSuite will stop supporting the TLS 1.0 and TLS 1.1 encryption protocols used by that browser as of June 2016. For details, see [Advance Notice — Deprecation of TLS versions 1.0 and 1.1](#).

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.

## **Advance Notice – End of Support for Google Chrome on Windows Vista and Mac OS X Versions 10.6, 10.7, and 10.8**

Google announced that in April 2016 it will end support for the Google Chrome web 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 will no longer provide 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 Version 2016 Release 2, NetSuite will no longer test or address any issues related to Google Chrome used 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 OS X versions 10.9 and newer.

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

## **Advance Notice – End of Support for Safari 6**

As of Version 2016 Release 2, NetSuite will no longer support the use of Safari 6. Any issues related to the use of Safari 6 will no longer be addressed as of Version 2016 Release 2.

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.

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

## **SuiteCommerce Advanced**

The latest version of SuiteCommerce Advanced, **Mont Blanc**, includes the following enhancements:

- SCIS Integration
- Quotes

- Google Tag Management
- Real User Monitoring (RUM) Integration
- Alternative Payment Methods to External Gateways
- Site Access Restriction

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

**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](#).

## Site Management Tools

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

### Preview on Different Screen Sizes

Version 2016 Release 1 includes the preview on different screen sizes feature. This lets you quickly simulate different screen sizes and review how your site is displayed at various dimensions and on different device types such as desktop, tablet, and phone. Standard screen size preview dimensions are available for each device type, and you can create custom preview sizes by adding the dimensions to the SMT adapter file. For more information, see the help topic [Preview Different Screen Sizes](#).

## Commerce Platform

Commerce Platform includes platform capabilities that you can use to build and deploy a more interactive and engaging shopping experience for customers. Version 2016 Release 1 includes the following enhancements:

- [Change to Record Type Returned for Leads Created in the Web Store](#)
- [Change in Global Subscription Behavior in OneWorld and Multi-Site Web Stores](#)

### Change to Record Type Returned for Leads Created in the Web Store

Prior to Version 2016 Release 1, user events did not trigger on leads created during web store registration. When a lead was created in the web store, the customer record type was returned.

This behavior was inconsistent with behavior outside of the web store context. SuiteScript and WorkFlow logic expecting the lead record type failed in the web store context because the customer record type was returned instead.

As of Version 2016 Release 1, when a lead is created in the web store, the lead record type is returned. User events on leads in the web store will now behave the same as user events in other contexts.

**Important:** This change may affect web store customizations that expect the customer record type to be returned from leads created in the web store. NetSuite recommends that you review any customizations that involve web store registration. Also, review your own SuiteScript and WorkFlow logic around leads or customers created in the web store. You may need to update customizations, scripts, or workflows to expect the new lead record type.

## Change in Global Subscription Behavior in OneWorld and Multi-Site Web Stores

With Version 2016 Release 1, the behavior of email subscription settings for marketing content in accounts with shared email has changed. Previously, on OneWorld accounts or accounts with multi-site configurations, when an existing customer checked out as a guest using a new password and then unsubscribed to marketing email messages, all customers with that same email were unsubscribed.

Now, each customer has unique subscription settings. If a customer has multiple email/password combinations, each combination is treated as a unique entity and changes to the subscription settings for one entity do not affect settings for all other entities. For example, if an existing customer checks out as guest using a registered email but with a different password, changes to subscription settings are reflected for the guest only. Note that it is still possible to unsubscribe all entities with the same email address through the NetSuite UI.

**Note:** This change impacts customers using multiple websites with the Marketing Automation feature enabled.

## SuiteCommerce InStore

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

- [Support for Quotes in SuiteCommerce InStore](#)
- [Saved Searches in SCIS User Menu](#)
- [Support for Localization in SuiteCommerce InStore](#)

- [SCIS Support for Advanced HTML/PDF Templates](#)
- [SuiteCommerce InStore Efix Releases](#)

**Important:** If you installed SuiteCommerce InStore prior to the SCIS 2016.1.0 release, then 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:** If you installed SuiteCommerce InStore prior to the SCIS 2016.1.0 release, then you must also update the CustomConfiguration.js file to support currency rounding capabilities introduced in this release. Search for the payment item record installed by the SuiteApp update by typing **ns\_pos\_rounditem** in the search box in NetSuite. Remember the ID for this item record. Modify CustomConfiguration.js by adding roundItemId: 0 under the voidItem definition. (Replace 0 with the ID for ns\_pos\_rounditem in your account.)

## Support for Quotes in SuiteCommerce InStore

Starting in SCIS 2016.1.0, sales associates can create estimates or quotes, which is useful for customers building a large order or purchasing big-ticket items that include discounts. The fields displayed on the entry form in SCIS are defined by the NetSuite Administrator.

The screenshot displays the SuiteCommerce InStore interface for 'STORE 152'. The top navigation bar includes the 'OUT' logo, a search bar, and user information '2 SAVED ELISABETH'. The main cart area lists three items:

	Qty	Price	Total
Burton AK 3L Hover Gore-tex Jacket - Mens ITEM #747436 MEDIUM, GOLDENROD	1	\$599.95	\$599.95
Arc'teryx Ether Crew - Long Sleeve - Men's ITEM #607689 MEDIUM, PERSIMMON	2	\$68.95	\$137.90
Burton Mid-Weight Pant- Mens ITEM #608686 MEDIUM, RAINBOW	1	\$44.95	\$44.95

At the bottom of the cart items, a red box highlights the 'QUOTE' button, along with 'NOTE', 'DELETE', and a menu icon. The right sidebar shows a summary for 'LAUREN HEIDEGG...':

SUBTOTAL	\$722.80
SALES TAX	\$79.50
TOTAL	\$802.30
AMOUNT DUE	\$802.30

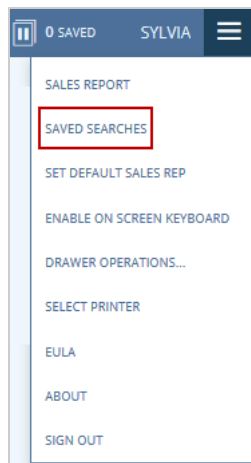
Payment options include 'CREDIT', 'CASH', and 'OTHER PAYMENT'. The order number 'ORDER #44295-325' and user 'ELISABETH' are displayed at the bottom.

The sales associate can build a transaction in SCIS, and then save it as a quote. The sales associate clicks a new menu option for quotes, and then adds information in required fields as defined by the administrator. The quote can be printed, or sent to the customer in an email message.

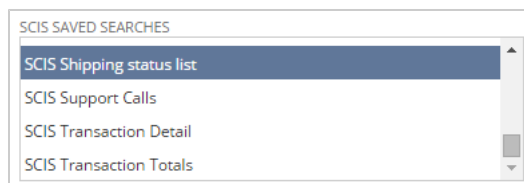
When the customer is ready to complete the purchase, the quote can be converted to an order. Any sales associate can find a quote created in SCIS. Quotes are displayed in search results in SCIS by scanning the transaction number on a receipt, or by typing the transaction number, or the customer's name. For more information, see the help topic [Setting Up Quotes in SCIS](#). See also, [Entering Quotes in SCIS](#).

## Saved Searches in SCIS User Menu

SCIS 2016.1.0 includes a new link called Saved Searches that shows in the User Menu. Sales associates can click the link in the User Menu in SCIS to see the results for searches defined in NetSuite. Administrators can create saved searches to share with sales associates.



Administrators can determine which sales associates can view a saved search based on new options provided on the SCIS Location Settings record. Administrators or managers who have the proper permissions, can create saved searches in NetSuite, and then select them in the SCIS Saved Searches field. For example, a useful saved search might show a list of customers who were in the store this week, inventory that is out of stock, or product shipping information.



The SCIS Location Settings record also defines the audience of Sales Associates who can access the saved search. To display a saved search in the User Menu list, you must set the Public check box on the saved search record. Use the filters on the SCIS Location Settings record to show a saved search to a certain location, website, or subsidiary. For more information about setup, see the help topic [Publishing Saved Searches to SCIS Users](#). See also, [Viewing a Saved Search in the User Menu](#).

## Support for Localization in SuiteCommerce InStore

SCIS 2016.1.0 includes some localization support for Canada, Australia, New Zealand, and the UK. The following capabilities are supported in SuiteCommerce InStore:

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

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.

**Warning:** During the managed SuiteApp update, the SCIS Quick Cash Denomination list may be duplicated. You must remove one of the lists to avoid duplicate cash denominations in SCIS.

As of SCIS 2016.1.0 several SCIS custom records support filters for subsidiary, site, and location. For more information, see the help topic [Localizing SCIS](#).

## SCIS Support for Advanced HTML/PDF Templates

Some locales have specific requirements for the information displayed on receipts. Now you can use templates installed by the SuiteCommerce InStore SuiteApp to comply with local regulations. In SCIS 2016.1.0, the SuiteCommerce InStore SuiteApp update includes support for Advanced HTML/PDF templates.

The screenshot shows the 'SCIS Receipt Template' configuration page in the SuiteCommerce InStore application. The page has a top navigation bar with tabs: Activities, Transactions, Lists, Reports, Documents, Setup, and Customization. The 'Customization' tab is active. Below the navigation bar, the page title is 'SCIS Receipt Template'. There are three buttons: 'Save', 'Cancel', and 'Reset', followed by an 'Actions' dropdown. The main form area has a 'CUSTOM FORM' dropdown set to 'Standard SCIS Receipt Template Form' and an 'INACTIVE' checkbox. Below this is a 'NAME' field containing 'SCIS\_Receipt'. A tabbed interface at the bottom has three tabs: 'Workflow', 'Filters', and 'Template settings'. The 'Template settings' tab is active, showing a 'USE AS DEFAULT' checkbox (checked), a 'TEMPLATE' dropdown set to 'SCIS Receipt Template', and a 'TYPE' dropdown with options: '- New -', 'Email', and 'Print'.

The update includes a custom receipt template you can use for email and print. Administrators or store managers with appropriate permissions can modify the templates. Create a new SCIS Receipt Template custom record for each HTML/PDF template you want to use. For more information, [Creating Receipt Templates for SCIS](#).

## SuiteCommerce InStore Efix Releases

The **SCIS 2016.1.2** release includes the following important fixes:

- On orders that include a discounted item, SCIS now sets the tax based on the item associated with the discount.
- The error that occurred when adding a line-item discount is resolved.
- SCIS now supports creating the customer record at the same time as a sales transaction. The session time-out that occurred on credit card swipe using this workflow is resolved.
- The SCIS login screen now displays correctly with the latest version of the SCIS POS application. The issue of a white screen initially being displayed is resolved.

The **SCIS 2016.1.3** release includes the following important fixes:

- An error that occurred when adding more than 30 items to a transaction is resolved.
- An error that resulted in several items being duplicated, when an item was scanned more than one time consecutively, is resolved.

The **SCIS 2016.1.4** release includes the following important fixes:

- Issues around charging credit cards have been resolved. Fixes to the following issues are included:
  - When Avalara refresh is enabled, the option to charge the credit card was disabled on orders.



- Credit card was not charged on split tender payments with a gift certificate and a credit card.
- Credit card was not charged when resuming a transaction, and then paying with a credit card.
- An issue has been resolved where quotes and invoices were saved incorrectly when using item-specific standard promotions.

## SuiteBundler

Version 2016 Release 1 includes the following enhancements to SuiteBundler features:

- [Bundle Support During Release Phasing](#)
- [Support for Bundling Custom Segments](#)

### Bundle Support During Release Phasing

Bundle support during phasing of Version 2016 Release 1 is consistent with the support provided during previous releases. During phasing of Version 2016 Release 1, some accounts continue to use Version 2015 Release 2 during the time that other accounts are upgraded to Version 2016 Release 1. 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 Version 2015 Release 2 can be installed into accounts that are already using Version 2016 Release 1.
- Bundles developed with Version 2016 Release 1 can be installed into accounts that are still using Version 2015 Release 2, but note the following limitations:
  - When a user in a Version 2015 Release 2 account installs a bundle from a Version 2016 Release 1 account, any object types in the bundle that are not supported in Version 2015 Release 2 are not installed. This may result in a potentially serious impact to bundle function.
  - A bundle with a SuiteScript that uses a new API available only in Version 2016 Release 1 can be installed into a Version 2015 Release 2 account, but the script may not correctly function because Version 2015 Release 2 does not support the API. In addition to this general limitation, additional limitations apply to bundles containing scripts developed with SuiteScript 2.0. See [Cross-Version Limitations for Bundles Containing SuiteScript 2.0 Scripts](#).

**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 the 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.

## Cross-Version Limitations for Bundles Containing SuiteScript 2.0 Scripts

The significant changes between SuiteScript 2.0 (Beta) in Version 2015 Release 2 and its generally available (GA) version in Version 2016 Release 1 have resulted in the following limitations on cross-version bundling:

- A bundle containing a script developed with the GA version of SuiteScript 2.0 in Version 2016 Release 1 cannot be installed into a Version 2015 Release 2 account running SuiteScript 2.0 (Beta).
- A bundle containing a script developed with SuiteScript 2.0 (Beta) in Version 2015 Release 2 cannot be installed into a Version 2016 Release 1 account running the GA version of SuiteScript 2.0 because NetSuite is unable to generate metadata on the script file. You can open and save the script record in Version 2016 Release 1 to generate the required metadata. See the help topics [SuiteScript 2.0 JSDoc Validation](#) and [SuiteScript 2.0 Entry Point Script Validation](#) for additional information.

For details about the changes to SuiteScript 2.0 in Version 2016 Release 1, see [Enhancements to SuiteScript 2.0](#).

For details about another limitation for bundles that include SuiteScript 2.0 scripts, see [SuiteScript 2.0 Script Files Can Only Be Attached to One Bundle](#).

## Support for Bundling Custom Segments

As of Version 2016 Release 1, you can use the Bundle Builder to create customization bundles that include custom segments.

On the Select Objects page of the Bundle Builder, custom segments are listed under Custom Lists/Records.

For information about custom segments, see the help topic [Custom Segments](#). For details about current limitations on bundling custom segments, see the help topic [Adding a Custom Segment to a Bundle](#).

## SuiteBuilder - Customization

Version 2016 Release 1 includes the following enhancements to SuiteBuilder features:

- Enhancements to Custom Segments
- Enhancements to Advanced Printing
- Memo on Journal Style Custom Transaction Types
- Revenue Arrangement Custom Field Option for Transaction Body and Column Fields

### Enhancements to Custom Segments

Version 2016 Release 1 includes the following enhancements to custom segments:

- Custom Segments General Availability
- Setting Display Order of Custom Segments
- Prevention of Custom Segment Edits in Closed Periods
- Inactivating Custom Segments
- Configuration to Allow Custom Segment Deletion
- Segment Values Available for Generated COGS and Revenue Lines
- Custom Segment Support for Additional Transaction Types
- Filtering Across Body and Line Segments
- Custom Segments Supported on Custom GL Lines
- SuiteScript Support for Custom Segment Values
- Web Services Support for Custom Segment Values
- Bundling of Custom Segments
- Allocation Schedule Record Supported for Custom Segments

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

### Custom Segments General Availability

As of Version 2016 Release 1, the Custom Segments feature is generally available.

### Setting Display Order of Custom Segments

Administrators and users with the Manage Segment permission can now specify the display order of custom segments on transaction body and lines, and on other records. If the custom

segment has GL impact, the display order also applies to the GL Impact page. By specifying the display order, you can reflect the priority and dependencies of custom segments.

Each custom segment's definition page now includes a Display Order subtab that lists all active custom segments in display order.

Values	Application & Sourcing	Validation & Defaulting	Permissions	Dependent Segments	Display Order
<div> <div>Move To Top</div> <div>Move To Bottom</div> </div>					
LABEL					
Sales Region					
Geographic Region					

By default, the current segment is selected in the list. When you create a new custom segment, the name is listed as - **Segment currently being created** - until you enter a name in the **Label** field. To change the display order of custom segments, drag and drop the list items, or click the **Move To Top** and **Move To Bottom** buttons.

On the Custom Segments list page, numbers in the new **Display Order** column show the segment display order.

Custom Segments					List	Search
VIEW Custom Segment					Customize View	New Custom Segment
FILTERS						
SHOW INACTIVES					TOTAL: 2	
EDIT   VIEW	DISPLAY ORDER ▲	LABEL	ID	GL IMPACT		
Edit   View	1	Sales Region	cseg_sales_region	Yes		
Edit   View	2	Geographic Region	cseg_geo_region	Yes		

The default display order is based on the order in which segments were created. As new segments are entered, they are added to the end of the display order unless you change it. If you check **Show Inactives**, inactive custom segments appear at the bottom of the list because they have no display order.

## Prevention of Custom Segment Edits in Closed Periods

As of this release, GL impacting custom segment values cannot be edited on transactions in closed periods. This enhancement provides security for GL data in closed periods, similar to the security provided for class, department, and location classifications.

A period is closed when the status of the accounting period is closed, in the primary accounting book or in any of the secondary accounting books in the standard fiscal calendar. If a period is

closed, you cannot change custom segment values that impact GL on any transactions in the period.

GL impacting segments on a record have the same behavior in a closed period as other fields that impact GL, such as classes, departments, and locations. Non-GL impacting segments that do not impact GL have the same behavior in a closed period as other fields that do not impact GL.

Custom segment definitions can be updated at any time, even if the segment is used in a transaction that is in a closed period. If a period is closed, custom segment definitions can be deleted if the [Configuration to Allow Custom Segment Deletion](#) option in accounting preferences is enabled.

**Note:** The GL Impact setting for a custom segment cannot be changed after the segment is created.

## Inactivating Custom Segments

You can now inactivate a custom segment by checking the new **Inactive** box on the custom segment definition page. When a custom segment is made inactive, it no longer appears on any forms, reports, searches, or GL impact pages, and is not available for SuiteBundler, SuiteFlow, SuiteTalk, SuiteAnalytics Connect, Mass Update, or Custom GL Lines plug-ins. However, an inactive segment is not permanently removed, and can be used again when needed.

You cannot inactivate a custom segment that is used as a search filter or in a workflow. If a custom segment has such dependencies, when you try to inactivate it, you receive a message indicating why the custom segment cannot be inactivated.

Inactive segments and their values are not visible on historical transactions and are not available when new transactions are entered.

To view inactive segments, check **Show Inactives** on the Custom Segments list page. Inactive segments appear at the bottom of the list.

For more information about inactivating custom segments, see the help topic [Inactivating a Custom Segment](#).

## Configuration to Allow Custom Segment Deletion

Administrators and users with the Set Up Accounting permission can now specify whether custom segment definitions can be deleted. The new **Allow GL Custom Segment Deletion** option has been added to accounting preferences, at Setup > Accounting > Accounting Preferences > General.

If you check the box, custom segments can be deleted.

When the box is clear, custom segments cannot be deleted but they can be inactivated. The box is clear by default.

## **Segment Values Available for Generated COGS and Revenue Lines**

When a sale or sale item custom segment has GL impact, the appropriate GL segment value is now assigned to the generated COGs and revenue GL lines to ensure appropriate financial reporting. With this change, the autogenerated COGS and revenue lines get the segment value from the item line or transaction body, where applicable, even if these lines belong to different business transactions.

### **Examples**

- You enter a standard invoice or cash sale and set or source a GL segment value on the body, line, or both. The autogenerated COGS and revenue lines on the transaction have the same segment value.
- You enter a sales order with the GL segment value on the item, and then you fulfill the item. The COGS line on the GL impact page gets the segment value from the item line. When you invoice the sales order later, the revenue line on the GL Impact page gets the same segment value. Both COGS and revenue lines source the GL segment value from the sales order item line, unless the user manually overwrites the values.

## **Custom Segment Support for Additional Transaction Types**

Additional transaction types that support custom fields now support custom segments.

The following transaction types now support custom segments:

- Assembly Build
- Bin Putaway Worksheet
- Bin Transfer
- Commission
- Deposit Allocation
- Inventory Distribution
- Partner Commission
- Paycheck
- Payroll Adjustment
- Payroll Liability Check
- Sales Tax Payment

- Statement Charge
- Tax Liability Check
- Transfer
- Work Order

Custom segments are now supported on the following types of transaction lines:

- Apply to Kit/Assembly Components
- Store with Item Groups
- Assembly/Bill of Materials

To allow application of custom segments to additional transaction types, a new **Other** option has been added to the Application & Sourcing > Transactions subtab on the custom segment definition page.

The screenshot shows the 'Application & Sourcing' subtab of the custom segment definition page. It features a 'Sourcing' section with a 'SOURCE LIST' dropdown menu. Below this is an 'Application' section with four checkboxes: 'PURCHASE TRANSACTIONS', 'SALES TRANSACTIONS', 'WEB STORE TRANSACTIONS', and 'OTHER'. The 'OTHER' checkbox is highlighted with a red rectangle.

Check **Other** to specify that this custom segment should be available in the other transaction types that support custom fields.

## Allocation Schedule Record Supported for Custom Segments

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

Two new record types, Allocation Schedule Source Line and Allocation Schedule Destination Line, have been added to the record type list on the custom segment definition page, on the Application & Sourcing > Transaction Columns subtab. Check **Allocation Schedule Source Line** to apply the custom segment to the source lines on an allocation schedule. Check **Allocation Schedule Destination Line** to apply the custom segment to the destination lines on an allocation schedule.

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](#).

## Filtering Across Body and Line Segments

Segment values on transaction lines can now be filtered by the segment value set in the body of a transaction. When you select a value for a parent segment in the body of a transaction, only child segments of that parent are available for selection on the transaction lines.

For example, you have a custom segment called Business Area that is available on purchases at the body level and includes a list of different areas of the business, such as grocery, bakery, and coffee shop. The child custom segment, Product Line, is filtered by Business Area and is available on purchase transaction lines. Items include hot beverages, baked goods, and frozen desserts.

On a purchase order, selecting a business unit at the body level filters the items available in the Product Line list at the line level, making order entry less cumbersome.

## Bundling of Custom Segments

Administrators and users with the SuiteBundler permission can now use SuiteBundler to create and install bundles that include custom segments.

There are some limitations when including custom segments in the SuiteBundler. For details, see the help topic [Adding a Custom Segment to a Bundle](#).

## Enhancements to Advanced Printing

Version 2016 Release 1 includes the following enhancements to advanced printing:

- [Custom Data Sources Supported for Advanced Printing](#)
- [Advanced Template Reference by Script ID](#)
- [Advanced Template List Available for Custom Printing Solutions](#)

## Custom Data Sources Supported for Advanced Printing

You can now combine custom data stored outside of NetSuite with data stored in NetSuite to be displayed together in printed forms for NetSuite transactions. Prior to this release, only



NetSuite data fields could be displayed on printed forms. This new capability is supported by the SuiteScript 2.0 N/render module, which now includes a method to support XML and JSON data sources in advanced PDF/HTML templates. For more information about the added method, see [New Methods Added for Advanced Printing](#).

To include a custom data source, you must customize a standard template in the source code view of the Template Editor, to add new fields to be sourced from a custom data source. You must know what information is included in the external data source and use syntax like the following:

```
<pdf>
...
<body>
  ${XML.book.title}<br />
  ${XML.book.chaper[1].title}<br />
  ${JSON.book.title}<br />
  ${JSON.book.chaper[1].title}<br />
  ${JSON_STR.book.title}<br />
  ${XML_STR.book.title}<br />
</body>
</pdf>
```

Next, you must create a SuiteScript 2.0 file that uses the `addCustomDataSource` method in the `render` module. Use code like the following:

```
renderer.addCustomDataSource({format : render.DataSource.XML_DOC, alias: "XML", data: xmlObj});
renderer.addCustomDataSource({format : render.DataSource.XML_STRING, alias: "XML_STR", data: xmlString});
renderer.addCustomDataSource({format : render.DataSource.OBJECT, alias: "JSON", data: jsonObj});
;
renderer.addCustomDataSource({format : render.DataSource.JSON, alias: "JSON_STR", data: jsonString});
```

The form is processed as follows:

1. The customized template is loaded into the renderer.
2. Data from the NetSuite record is loaded.
3. Data from the custom data source is added (XML, JSON, XML\_STR, and JSON\_STR in the previous example)
4. The form is printed using the renderer.

For example, you want to print gift certificates for employees that combine name and address information stored in NetSuite with data from an external survey. You customize an advanced template in the source code view of the Template Editor, adding fields from the XML file that contains exported results from the survey. Then, you create a SuiteScript file that uses the `render` module to do the following: load the customized template, add data from the NetSuite

records, add custom data from the XML file, and print the gift certificate forms. Data from the two sources are combined to print personalized certificates for employees.

**Note:** SuiteScript 1.0 does not support the use of data from sources other than NetSuite records.

This capability is available only if you have enabled the Advanced PDF/HTML Templates feature at Setup > Company > Enable Features, on the SuiteCloud subtab.

## Advanced Template Reference by Script ID

Prior to this release, to reference an advanced PDF/HTML template in SuiteScript, the entire template content had to be passed to the SuiteScript API. This limitation made it cumbersome to use SuiteScript to render printed forms with formatting based on advanced PDF/HTML templates.

Now, in SuiteScript 2.0, it is possible to reference a template by ID. This capability is supported by the SuiteScript 2.0 N/render module, which includes a method that supports referencing a template by its script ID, `TemplateRenderer.setTemplateByScriptId`. Each template's script ID can be set and reviewed in the Template Setup popup of the Template Editor.

### New Script ID Field

A new **Script ID** field is available in the Template Setup popup window, which can be accessed from the Template Editor for advanced PDF/HTML templates. You can enter or change the script ID for an advanced template by updating this field's value. When you create a new advanced template, if you leave this field blank, the template gets a system-generated script ID.

Scripts that reference a template by its script ID need to be updated if the script ID changes.

### Referencing a Template by Internal ID

In addition to the method for referencing templates by script ID, another method has been added, that is intended for specific custom printing solution use cases. The `TemplateRenderer.setTemplateById` method supports referencing a template by its system-generated internal ID. This method was developed for use with the Advanced Template List because values for that list have internal IDs, not script IDs. For more information, see [Advanced Template List Available for Custom Printing Solutions](#).

### Example Template References

The following sample code illustrates how to reference a template by script ID or internal ID:

```
var renderer = render.create();
renderer.setTemplateByScriptId("STDTMPLPRICELIST");
renderer.setTemplateById(3);
var xml = renderer.renderAsString();
```

## Notes about Template References

- SuiteScript 1.0 does not support template reference by script ID or internal ID. For backward compatibility, the template text is still accepted as a reference to the template in both SuiteScript 1.0 and 2.0.
- The methods to reference templates by ID are available only if you have enabled the Advanced PDF/HTML Templates feature at Setup > Company > Enable Features, on the SuiteCloud subtab.
- For more information about the added methods, see [New Methods Added for Advanced Printing](#).

## Advanced Template List Available for Custom Printing Solutions

When you create a custom field of type List/Record, Advanced PDF/HTML Templates is now available as an option in the List/Records dropdown list on the custom field setup page, at Customization > Lists, Records & Fields > [Custom Field]. This option provides users with a list of all available advanced templates, for use in a case where you create a script that allows users to specify a form to be used for printing, as part of a custom printing solution.

For example, to provide a custom printing solution for your users, you could create a purchase order form and add a custom field of type List/Record with Advanced PDF/HTML Templates specified. Then, you could use the SuiteScript 2.0 `N/render` module method to refer to each user's selected advanced template by NetSuite internal ID. A Suitelet could then be used to take the user's selection and pass in the internal ID of the template to print the purchase order.

## Notes about Advanced Template List

- This option should be used only with a scripted custom printing solution.
- The list of available templates is not filtered. All advanced PDF/HTML templates are available, including those that are not for the correct transaction type.
- This field alone does not allow users to specify the template to be used for printing a form. By default, printing preferences for advanced forms are specified by [Setting Custom Forms to Use Advanced Templates](#).

This capability is available only if you have enabled the Advanced PDF/HTML Templates feature at Setup > Company > Enable Features, on the SuiteCloud subtab.

## Memo on Journal Style Custom Transaction Types

A new Memo body field is now available by default on forms for journal style custom transactions. As needed, you can customize a form to specify that the Memo field be hidden or mandatory.

When users are editing or creating a new custom transaction, they can enter a body level description of their entries in the Memo field. This description can provide meaningful explanations for accounting entries, that are not available for journal entries, as journal entry forms do not have a memo field.

The information entered in the Memo field for a custom transaction is put in the Memo (Main) field on transaction lines and is propagated to the GL Impact page.

## Revenue Arrangement Custom Field Option for Transaction Body and Column Fields

When Advanced Revenue Management is enabled in your account, you can now apply custom transaction body and column fields directly to revenue arrangements. A box for Revenue Arrangement now appears on the Applies To subtab for custom transaction body and column fields. Check this box to add the custom field to revenue arrangement transactions. Previously, the Sale and Sale Item boxes were used. The Applies To subtab for custom transaction body fields is shown.

Applies To	Display	Validation & Defaulting	Sourcing & Filtering	Access	Translation
<input type="checkbox"/> PURCHASE		<input type="checkbox"/> TRANSFER ORDER			<input type="checkbox"/> DEPOSIT
<input type="checkbox"/> SALE		<input type="checkbox"/> ITEM RECEIPT <input type="checkbox"/> VIEW FROM ORDER ONLY			<input type="checkbox"/> PRINT ON STANDARD FORMS
<input type="checkbox"/> OPPORTUNITY		<input type="checkbox"/> ITEM FULFILLMENT <input type="checkbox"/> VIEW FROM ORDER ONLY			<input type="checkbox"/> PRINT ON PICKING TICKET
<input type="checkbox"/> REVENUE ARRANGEMENT		<input type="checkbox"/> INVENTORY ADJUSTMENT			<input type="checkbox"/> PRINT ON PACKING SLIP
<input type="checkbox"/> JOURNAL		<input type="checkbox"/> TEGATA			<input type="checkbox"/> PRINT ON STATEMENT
<input type="checkbox"/> EXPENSE REPORT		<input type="checkbox"/> CUSTOMER PAYMENT			<input type="checkbox"/> OTHER
<input type="checkbox"/> WEB STORE		<input type="checkbox"/> VENDOR PAYMENT			

If Advanced Revenue Management was enabled previously enabled on your account, custom transaction fields that apply to Sale or Sale Item now also apply to Revenue Arrangement by default.

## SuiteAnalytics (Dashboards, Reporting, and Search)

Version 2016 Release 1 includes the following enhancements in the SuiteAnalytics area:

- Encrypted Fields Support for Searches
- Changes to the Criteria and Results Filters when Looking for Saved Searches
- Audit Trail for Reports with Financial Layout
- SuiteAnalytics Connect Drivers Update
- Advance Notice – End of Support for Windows Server 2003 for SuiteAnalytics Connect Drivers

- Advance Notice – End of Support for Java and .NET Versions That Do Not Support TLS 1.2
- Project Budget Fields Exposed for Saved Search
- Period-Specific Consolidation Rates for KPI Scorecards
- Enhanced Customization for Reports That Use Data from the Locations Feature
- 2016.1 SuiteAnalytics Connect Browser
- Changes to Shipping Fields Used in Transaction Searches

## Encrypted Fields Support for Searches

Now you can include fields that are encrypted in searches and saved searches.

Before this release, you could only view the values of encrypted fields on the records containing these fields. Now the values of these fields can be returned in search results. In addition, encrypted fields can be used as search criteria filters with a limited set of operators (**is**, **is not**, **is empty**, **is not empty**).

You must have permission to view an encrypted field to be able to use it in searches.

**Note:** This change applies only to searches and saved searches. Encrypted fields still cannot be used in global search, reports, or SuiteAnalytics Connect queries. Also, encrypted fields cannot be included in search formulas, summary fields, or available filters.

To learn more about using encrypted fields in searches, see the help topic [Using Encrypted Fields in Searches](#).

## Changes to the Criteria and Results Filters when Looking for Saved Searches

As of Version 2016 Release 1, some search filters are no longer available on the Results tab of the search definition page when you define an advanced search or saved search for Saved Search records.

- The **Criteria Field** field has been removed from the Results tab of the search definition page and is no longer available.
- The **Recipient** field on the Results tab has been converted into two fields: **Notification: Recipient** in the **Notification Fields...** and **SearchSchedule: Recipient** in the **SearchSchedule Fields...**

Existing saved searches that use these fields as criteria or results will continue to run. However, the **Criteria Field** field will no longer be displayed in the search results.

In addition, the following new filters are now available on the Criteria and Results tabs of the search definition page:

Criteria tab	Results tab
Access Level	Available as Dashboard View
Available As	Available as List View
Created By	Available as Product Feed
Date Created	Available as Sublist View
Date Modified	Available for Reminders
From Bundle	Created By
ID	Date Created
Inactive	Date Modified
Last Run By	Export Results
Last Run On	From Bundle
Modified By	ID
Output Type	Last Run By
Package	Last Run On
Run Unrestricted	Modified By
Show Totals	Persist Results
Sort Field	Public
Sort Field Direction	Return Field
Sort Field Order	Return Field Custom Label
Title (Text)	Return Field Summary Label
Notification: Recipient	Run Unrestricted
SearchSchedule: Recipient	Scheduled
	Show in Menu
	Show Totals
	Sort Field
	Sort Field Direction
	Sort Field Order
	Type
	Notification: Recipient

Criteria tab	Results tab
	SearchSchedule: Recipient

## Audit Trail for Reports with Financial Layout

Version 2016 Release 1 extends the Analytics Audit Trail search to include financial report layouts. This enhancement supports tracking of changes made to financial layouts.

Whenever a report with a financial layout is edited, the details about the layout changes are logged in the audit trail. You can use the Analytics Audit Trail search to review these changes.

To review the changes made to financial report layouts, go to Reports > New Search, choose Analytics Audit Trail, set the Record Type to Financial Layout, and click Submit. If you are looking for changes made to a specific financial report layout, you can specify its name in the **Record** field. To see specific changes made to the financial report layout, use the **Record Action** field.

You can save an audit trail search to monitor the changes made to financial layouts. To learn more about creating an audit trail saved search, see the help topic [Audit Trail Search](#).

## SuiteAnalytics Connect Drivers Update

As of January 7, 2016, a new version of the SuiteAnalytics Connect drivers is available. This version ensures better connection security through support of the TLS 1.2 encryption protocol.

NetSuite strongly recommends that all SuiteAnalytics Connect users upgrade their Connect drivers to this new version. The older versions of the drivers will no longer work as of January 7, 2017.

To download the latest driver version, 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. Then, extract the new driver's files to the folder where the older driver version was previously installed.

In addition, the SuiteAnalytics Connect download page has been redesigned to include downloadable server-side certificates and a downloadable version of the SuiteAnalytics Connect Browser. The Connect Browser is a new tool that enables you to browse the tables and columns in the SuiteAnalytics Connect Schema and explore the relationships between them. The browser is also available [online](#) as a part of an integrated browser interface that

includes the SuiteScript Records Browser, the SuiteTalk Schema Browser, and the SuiteAnalytics Connect Browser.

## **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 integrations continue to work with SuiteAnalytics Connect beyond that date, please 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](#).

## **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](#).

## **Project Budget Fields Exposed for Saved Search**

You can now create a saved search that includes project budget fields from project records. You can choose to include Amount, Budget Type, Cost Category, Currency, Month, and Project fields.

## **Period-Specific Consolidation Rates for KPI Scorecards**

Version 2016 Release 1 introduces a new user preference for KPI scorecards. This preference lets you select the accounting period that provides the consolidation rates you would like to use for KPI Scorecards.



To enable the preference, go to Home > Set Preferences > Analytics, and check the KPI Scorecard with Period Specific Consolidation Rates box.

For more information about this user preference, see the help topic [Setting Analytics Preferences](#), the KPI and Snapshot section.

## Enhanced Customization for Reports That Use Data from the Locations Feature

Any report that references data associated with the Locations feature can now be customized to include the following additional fields, even if the feature is not enabled:

- Inactive
- Address Line 1
- Address Line 2
- Address Line 3
- City
- Country
- Full Name
- Name
- Name (Grouped)
- State
- ZIP

Previously, if the Locations feature was enabled, reports could be customized to include the Name field.

## 2016.1 SuiteAnalytics Connect Browser

The 2016.1 version of the [SuiteAnalytics Connect Browser](#) is now available. You can find links to the Connect Browser in several places, including the following:

- The help topic titled [Working with the SuiteAnalytics Connect Browser](#).
- The help topic titled [Connect Schema](#) that lists the tables available in the SuiteAnalytics Connect schema.

## Changes to Shipping Fields Used in Transaction Searches

In NetSuite Version 2016 Release 1, we will deprecate the Shipping Label and Shipping Name filters. This may require you to update your scripts or saved searches. These are currently used

to search for items in the Label column or Attention columns on the address subrecord of transaction records using shipping addresses. To preserve the intended results of your scripts or searches, please do the following:

**Saved Search users should amend their search criteria and results selection.**

Saved Search Contains	After 16.1 becomes	Amend search criteria to
Shipping Label (field id SHIPLABEL)	Shipping Label (Deprecated)	Shipping Label (field id SHIPNAME)
Shipping Name (field id SHIPATTENTION)	Shipping Name (Deprecated)	Shipping Attention (field id SHIPPINGATTENTION)

**SuiteScript users should be aware of the changes to field labels and update references to the appropriate field IDs.**

Transaction Search Field Mapping Changes in 16.1						
Current Search Label	16.1 Search Label	Current Field ID	16.1 Field ID	UI Label	Impact	Action Req.
Shipping Attention	Shipping Attention	SHIPPINGATTENTION	SHIPPINGATTENTION	Attention	No change	None
Shipping Name	Shipping Label	SHIPNAME	SHIPNAME	Label	Search label name change	Amend search criteria/ results to Shipping Label (SHIPNAME)
Shipping Label	Shipping Label (Deprecated)	SHIPLABEL	SHIPLABEL		Search field no longer functions	Amend search criteria/ results to Shipping Label (SHIPNAME)
Hidden Field "Shipping Name"	Shipping Name (Deprecated)	SHIPATTENTION	SHIPATTENTION		Search field no longer functions	Amend search criteria/ results to Shipping Attention (SHIPPINGATTENTION)

We apologize for any inconvenience that these changes may cause. If you require assistance or more information, please contact NetSuite Customer Support.

## CSV Import

Version 2016 Release 1 includes the following enhancements to CSV Import.

- [CSV Support for Fair Value Price Lists](#)
- [CSV Support for Accounting Book Details](#)
- [Change to CSV Import Country Name for United Kingdom](#)

### CSV Support for Fair Value Price Lists

Version 2016 Release 1 supports the import of fair value price CSV data.

Before you can create fair value price lists, you must enable the Advanced Revenue Management feature. For information about this feature, see [Advanced Revenue Management](#).

Then, you must add a formula for calculating a fair value price. To create a formula, go to Setup > Accounting > Fair Value Formulas > New, enter the formula name and formula expression, and click Save.

After you have enabled the feature and added a fair value formula, you can import fair value price CSV data. To import the data, in the Import Assistant, set the Import Type to Accounting and the Record Type to Fair Value Price.

## CSV Support for Accounting Book Details

If the Multi-Book Accounting feature is enabled, Accounting Book Detail sublist data can now be imported for the following transactions:

- Custom transaction
- Customer payment
- Expense report
- Intercompany journal entry
- Inventory cost revaluation
- Invoice
- Journal entry
- Sales order
- Vendor bill
- Vendor credit
- Vendor payment
- Vendor return authorization

## Change to CSV Import Country Name for United Kingdom

As of Version 2016 Release 1, the country name used in CSV imports for the country with an internal ID of GB is United Kingdom. Before this release, it was United Kingdom (GB). You should change any references to this country in saved CSV imports.

For more details about country references in CSV imports, see the help topic [Country Names for CSV Import](#).

## SuiteFlow (Workflow Manager)

Version 2016 Release 1 includes the following enhancements to SuiteFlow features:

- Updated SuiteFlow Field Labels
- Improved Workflow Definition Page History Subtab
- Lead Nurturing Workflow Template

### Updated SuiteFlow Field Labels

Some SuiteFlow field labels have been updated to more accurately describe their purpose. The updated labels do not change the way these fields work. The fields function the same as they did prior to the label updates.

The updated fields are listed in the following table, grouped by SuiteFlow UI pages.

**Note:** As part of this enhancement, many field labels were changed from sentence case to all upper case. These labels are not listed in the table.

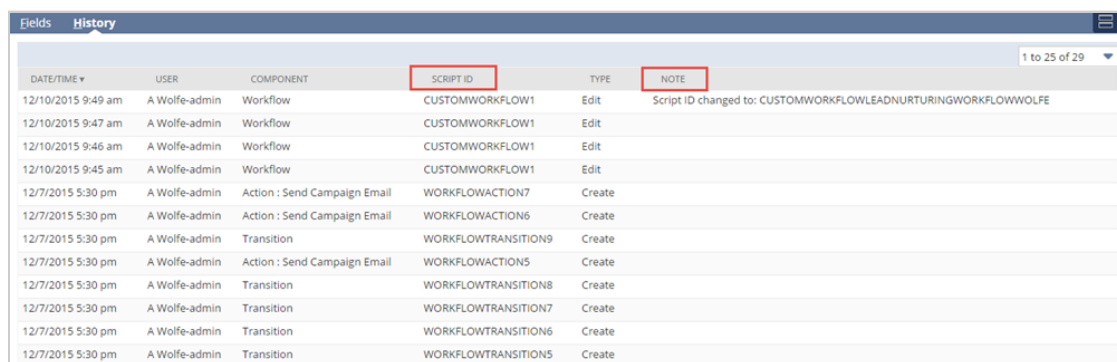
SuiteFlow Page	Previous Label	New Label
Workflow Definition Page	Saved Search	SAVED SEARCH CONDITION
		SAVED SEARCH FILTER
Workflow Transition	Button	EXECUTE ON BUTTON
	Workflow	WAIT FOR WORKFLOW
	State	WAIT FOR WORKFLOW STATE
Workflow Action — These fields are common to all SuiteFlow actions.	Client Fields	TRIGGERING CLIENT FIELDS
	Saved Search	SAVED SEARCH CONDITION
Go To Page Action	Page	TARGET PAGE
Go To Record Action	Record ID Join Field	RECORD (JOIN FIELD)
	Record ID Field	RECORD ID: FIELD
	In Edit Mode	OPEN IN EDIT MODE
Send Campaign Email Action	Join	RECORD (JOIN FIELD)
Send Email Action — Sender	Join	RECORD (JOIN FIELD)
Send Email Action — Recipient	Email Address	FREE FORM ADDRESS: EMAIL
	Field	FROM FIELD: FIELD
	Join	FROM FIELD: RECORD (JOIN FIELD)

Send Email Action — Attachment	Field	FROM FIELD: RECORD (JOIN FIELD)
Set Field Value Action	Value Join	FROM FIELD: RECORD (JOIN FIELD)

## Improved Workflow Definition Page History Subtab

The Workflow Definition page's History subtab has been improved to include more comprehensive information about changes made to workflow definitions. Two new columns have been added:

- **Script ID:** Identifies the script id of the workflow element that has been changed.
- **Note:** Includes information about the following changes:
  - Indicates whether a workflow has changed to Active or Inactive on the Workflows list page.
  - Indicates when a workflow's release status is changed on the Change Status page for locked workflows, for example, changed from Testing to Released.
  - Indicates whether a workflow has been copied.
  - Indicates workflow script id changes.



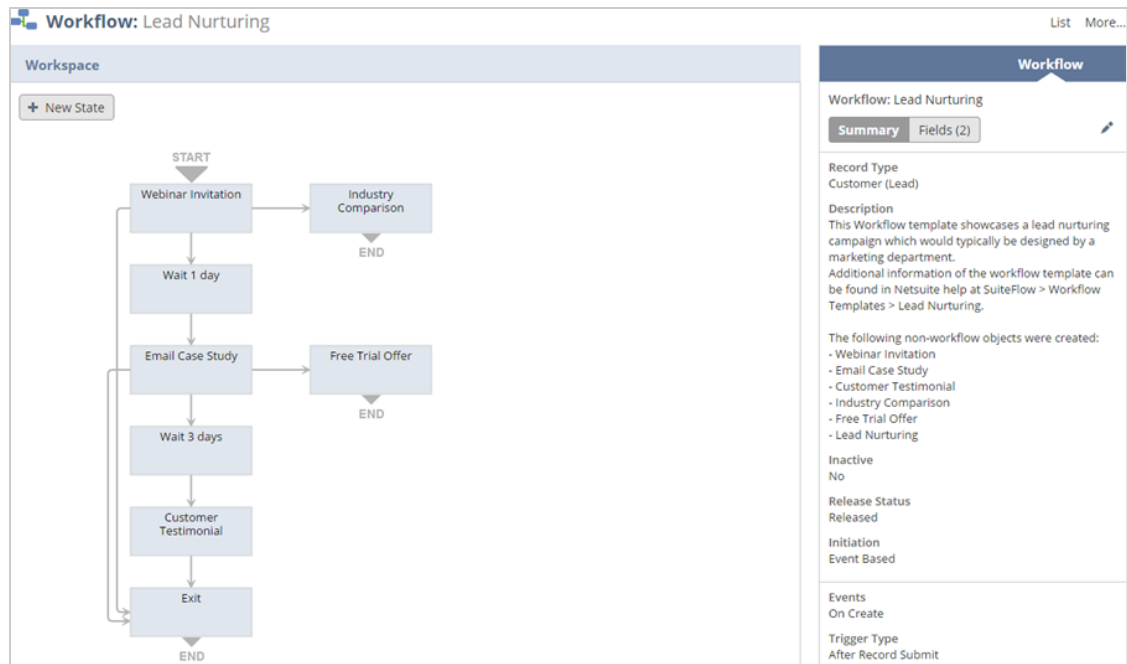
DATE/TIME	USER	COMPONENT	SCRIPT ID	TYPE	NOTE
12/10/2015 9:49 am	A Wolfe-admin	Workflow	CUSTOMWORKFLOW1	Edit	Script ID changed to: CUSTOMWORKFLOWLEADNURTURINGWORKFLOWWOLFE
12/10/2015 9:47 am	A Wolfe-admin	Workflow	CUSTOMWORKFLOW1	Edit	
12/10/2015 9:46 am	A Wolfe-admin	Workflow	CUSTOMWORKFLOW1	Edit	
12/10/2015 9:45 am	A Wolfe-admin	Workflow	CUSTOMWORKFLOW1	Edit	
12/7/2015 5:30 pm	A Wolfe-admin	Action : Send Campaign Email	WORKFLOWACTION7	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Action : Send Campaign Email	WORKFLOWACTION6	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Transition	WORKFLOWTRANSITION9	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Action : Send Campaign Email	WORKFLOWACTION5	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Transition	WORKFLOWTRANSITION8	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Transition	WORKFLOWTRANSITION7	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Transition	WORKFLOWTRANSITION6	Create	
12/7/2015 5:30 pm	A Wolfe-admin	Transition	WORKFLOWTRANSITION5	Create	

For more information about the History subtab, see the help topic [Workflow Definition Page History Subtab](#).

## Lead Nurturing Workflow Template

A new workflow template has been added for lead nurturing. This template moves through a typical lead nurturing scenario. It uses campaign email messages to send information and to offer a free trial to business leads.

You can access this template and other workflow templates at Customization > Scripting > Workflows > New > From Template.



For more detailed information about the template and its components, see the help topic [Lead Nurturing Template](#).

## SuiteScript

Refer to the following sections for details on all SuiteScript updates for Version 2016 Release 1:

- [RESTlet Concurrency Governance Change](#)
- [Hostname Verification for HTTPS URL Requests – SuiteScript 1.0 and SuiteScript 2.0 Impact](#)
- [Governance Change for SuiteScript 1.0 and SuiteScript 2.0 HTTPS APIs](#)
- [Country Field Value Change – United Kingdom \(GB\)](#)
- [Triggering of User Event when Custom Record is Attached to or Detached from Parent](#)
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- [SuiteScript Support for Advanced Revenue Management](#)
- [Change to Required Permission for Attaching Scripts to Custom Forms](#)
- [Changes to the REST Roles Service](#)

- [Enhancements to SuiteScript 1.0](#)
- [Enhancements to SuiteScript 2.0](#)
- [SuiteScript Record Exposures](#)
- [2016.1 SuiteScript Records Browser](#)

## RESTlet Concurrency Governance Change

**Important:** This feature is now retargeted for later release and will not be released in late July. NetSuite will announce the new release date with sufficient notice to accommodate user preparation.

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

After this change, we recommend a maximum of 25 concurrent threads per account. 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 must ensure 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 result in both of the following:

- An HTTP status code 400 Bad Request
- A 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.

## Hostname Verification for HTTPS URL Requests – SuiteScript 1.0 and SuiteScript 2.0 Impact

As of Version 2016 Release 1, NetSuite is enforcing increased standards for hostname verification on all HTTPS requests. Hostname verification now ensures that a host's SSL certificate precisely matches the hostname. With Version 2016 Release 1, all scripts that attempt to make an HTTPS connection to an invalid host throw an exception and log the following error.

SSS\_INVALID\_HOST\_CERT - "An untrusted, unsupported, or invalid certificate was found for this host."

In your Release Preview account, audit your SuiteScript 1.0 scripts for calls to `nlapiRequestURL(url, postdata, headers, callback, httpMethod)` that request an HTTPS connection. Then audit your SuiteScript 2.0 scripts for calls to `N/https Module` APIs that request an HTTPS connection. Ensure that none of your scripts attempt to make an HTTPS connection to an invalid host.

**Note:** If you can navigate to the URL with a browser, you can view the details of the certificate. Otherwise, you can use OpenSSL. For additional information, see the help for your specific browser or the OpenSSL documentation at <https://www.openssl.org/>.

## Governance Change for SuiteScript 1.0 and SuiteScript 2.0 HTTPS APIs

NetSuite is changing the governance for several SuiteScript 1.0 and SuiteScript 2.0 HTTPS APIs. Prior to this release, these APIs had no governance. NetSuite is making this change to align the governance for these APIs with the governance for `nlapiRequestURL(url, postdata, headers, callback, httpMethod)`.

The following SuiteScript 1.0 API now charges 10 usage units for each call:

- `nlapiRequestURLWithCredentials(credentials, url, postdata, headers, httpsMethod)`

The following SuiteScript 2.0 `N/https Module` APIs now charge 10 usage units for each call:

- `https.get`
- `https.post`
- `https.put`
- `https.delete`
- `https.request`

In your Release Preview account, audit your scripts for the APIs listed above. Determine if any of your scripts take advantage of the previous lack of governance for these APIs. Test all applicable scripts to verify they work as expected with the new governance.

## Country Field Value Change – United Kingdom (GB)

In this release, the country select field value United Kingdom (GB) is updated to United Kingdom. You are not required to edit your existing scripts for this change. SuiteScript 1.0 and SuiteScript 2.0 accept either value.



## Triggering of User Event when Custom Record is Attached to or Detached from Parent

User events are now triggered when a custom child record is attached to or detached from its parent record. This change supports scripting and workflows based on attachment and removal of custom child records.

The event is audited on the custom child record as an edit execution event type, and is supported in both SuiteScript 1.0 and 2.0.

A beforeLoad, beforeSubmit, or afterSubmit event would occur if a record is attached or removed.

**Note:** The child record must be a custom record.

## Enhancements to the Integration Record

This release includes the following enhancements to the integration record type:

- Each integration record now includes a RESTlets Execution Log subtab. On any integration record, this subtab lists those calls that referenced the consumer key associated with that integration record. Calls that use the NLAAuth method of authentication are not logged.
- Changes made to integration records are now tracked by system notes.

For additional details on these enhancements, see [Integration Record Enhancements](#).

## SuiteScript Support for Custom Segment Values

Version 2016 Release 1 includes SuiteScript support for the Custom Segments feature.

The Custom Segments feature is part of the SuiteGL feature set. Custom segments are custom classification fields similar to class, department, and location. When this feature is enabled, an administrator working in the UI can create custom segments, define possible values for each segment, and apply the segments to specific record types. A custom segment appears as a field on instances of record types where the segment was applied. Users can then classify records by selecting the appropriate value for each segment.

This release includes the following SuiteScript support:

- On record types that are exposed to SuiteScript, you can use SuiteScript to set values for custom segments that exist as fields.
- You can use SuiteScript to create values for existing custom segments.

For general details about the Custom Segments feature, see the help topic [Custom Segments](#).

## SuiteScript Support for Advanced Revenue Management

The following table lists the SuiteScript supported records related to the Advanced Revenue Management feature as of Version 2016 Release 1. For information about this feature, see [Advanced Revenue Management](#).

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
Fair Value Price	fairvaluepricelist	List	Create, delete, and search are allowed.  Copy is not allowed.		X
Item	item	Items	Full		X
Journal Entry	journalentry	Transaction	Full  Transform is not supported.	X	X
Project (Job)	job	Entity	Full	X	X
Revenue Arrangement	revenuearrangement	Transaction	Full		X
Revenue Recognition Plan	revrecplan	List	Copy, create, and delete are not allowed.		X  User Event Scripts Not Supported

## Change to Required Permission for Attaching Scripts to Custom Forms

As of March 24, 2016, Version 2016 Release 1 users who have the Custom Address Form, Custom Entry Forms, or Custom Transaction Forms permission, but who do not have the SuiteScript permission, can no longer access the Custom Code tab of custom forms. Prior to

this date, these users could edit the Custom Code tab of a form record to attach a script to the form.

Going forward, users must have at least the Edit level of the SuiteScript permission to attach a script to a custom form by editing the Custom Code tab of the form record. For users with the Edit or Full level of the SuiteScript permission, the Custom Code tab is displayed and is fully editable. Users with the View or Create level of the SuiteScript permission can see the Custom Code tab, but cannot edit it. For users who do not have SuiteScript permission, the Custom Code tab is not visible.

**To ensure that users are able to attach scripts to custom forms:**

1. Review assigned roles and permissions for users in your account who need the ability to attach scripts to custom forms.
2. Determine whether any of these users have the Custom Address Form, Custom Entry Forms, or Custom Transaction Forms permission, but do not have the SuiteScript permission.
3. Assign users the Edit level of the SuiteScript permission as needed, either by adding the permission to their roles, or by assigning it to them as a global permission.
4. If you would prefer not to assign the SuiteScript permission to any of these users, reassign their script related tasks to other users who have the SuiteScript permission.

## Changes to the REST Roles Service

As of July 2016, changes have been made to the REST roles service. These changes affect only requests sent to the following URLs:

- <https://rest.beta.netsuite.com/rest/roles> — the release preview version of the service
- <https://rest.sandbox.netsuite.com/rest/roles> — the legacy sandbox version of the service

The changes relate to the authorization header, and the way service responds if the NetSuite account ID is omitted from the header. Previously, these types of calls returned **all** roles associated with the user. 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, including Customer Center roles, you must provide a NetSuite account ID in the authorization header. This approach limits the response to the roles available for that one account, but all valid roles for the user are returned, including Customer Center roles. This change affects both 2016.1 and 2016.2 accounts.

An identical update is planned for <https://rest.netsuite.com/rest/roles>, which is the version of service for production and Sandbox 2.0 environments. Changes to this version of the service are targeted for Sept. 23, 2016.

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

## Enhancements to SuiteScript 1.0

Version 2016 Release 1 includes the following enhancement to SuiteScript 1.0:

### New `nlobjContext.getBundleId()` Method

This release adds official SuiteScript 1.0 support for `nlobjContext.getBundleId()`. The `getBundleId` method returns the bundle ID of the current script.

## Enhancements to SuiteScript 2.0

- [New for Version 2016 Release 1](#)
- [SuiteScript 2.0 – The Basics](#)

### New for Version 2016 Release 1

- [General Availability](#)
- [JSDoc Tag and Script Validation Changes](#)
- [N/ui Module Refactor](#)
- [SuiteScript 2.0 Script Files Can Only Be Attached to One Bundle](#)
- [Scheduled Script Status Page – New Navigation Path](#)
- [Additional Supported Script Types](#)
- [Form Level Client Script Support](#)
- [Search Pagination API](#)
- [Map/Reduce Script Status UI](#)
- [Map/Reduce Script Support for Multiple Iterations](#)
- [Multi-script Support for Credential Fields and Secret Key Fields](#)
- [DateTime and DateTime Timezone Formatting and Parsing Support](#)
- [Custom Plug-in Support](#)
- [New Type Enums for Search and Transaction Modules](#)
- [New Methods Added for Advanced Printing](#)

## General Availability

With Version 2016 Release 1, SuiteScript 2.0 is now generally available.

## SuiteScript Versioning (Beta) Setting Removed

Users are no longer required to enable the **SuiteScript Versioning (Beta)** setting to use SuiteScript 2.0. It is now automatically enabled for all accounts that use SuiteScript.

## SuiteScript Versioning

With the transition to general availability, this release and all future releases of SuiteScript will maintain the following versioning system.

Version Type	Numbering Pattern	Description
Major	Version 2.0, 3.0, 4.0	Major versions of SuiteScript include significant functionality changes and improvements.  Major versions are not backward compatible with previously released versions.
Minor	Version 3.1, 3.2, 3.3	Minor versions of SuiteScript include enhancements to existing features.  Minor versions are backward compatible with all versions released since the last major version. For example, SuiteScript Version 3.2 is backward compatible with Versions 3.0 and 3.1. It is not backward compatible with Versions 1.0 or 2.0.
Patch	Does not apply	Patch versions of SuiteScript are included with regular NetSuite bug fix releases.  Patch versions are backward compatible with all versions released since the last major version.

## JSDoc Tag and Script Validation Changes

For this release, NetSuite is making several changes to SuiteScript 2.0 JSDoc tags and script record validation. These changes may impact existing SuiteScript 2.0 scripts.

## New @NScriptType JSDoc Tag

SuiteScript 2.0 entry point scripts now use a new required JSDoc tag, `@NScriptType`. This new JSDoc tag must have one of the following possible values.

- ClientScript
- UserEventScript
- Suitelet
- Restlet
- ScheduledScript

- MapReduceScript
- Portlet
- WorkflowActionScript
- MassUpdateScript
- BundleInstallationScript

**Note:** JSDoc tag values are not case sensitive. However, NetSuite encourages you to use PascalCase for readability. With PascalCase, the first letter of each word is capitalized, including the first word.

NetSuite no longer determines your SuiteScript 2.0 script type based on your script's entry points. The `@NScriptType` JSDoc tag now defines your script type for script record creation. Note that this JSDoc tag is mandatory for only entry point scripts.

In your Release Preview account, add the `@NScriptType` JSDoc tag to all SuiteScript 2.0 entry point scripts. In Version 2016 Release 1, existing scripts without this JSDoc tag do not execute. For new scripts, you cannot create a script record if your script file does not include this JSDoc tag.

For additional information, see the help topics [SuiteScript 2.0 JSDoc Validation](#) and [SuiteScript 2.0 Entry Point Script Deployment](#).

### **@NScriptId and @NScriptName JSDoc Tags No Longer Supported**

The `@NScriptId` and `@NScriptName` JSDoc tags are no longer supported. NetSuite no longer auto-populates the script record with your script name and custom script ID. You must enter this information on the script record.

You are not required to remove these JSDoc tags from your existing SuiteScript 2.0 scripts. After your account is updated to Version 2016 Release 1, NetSuite will ignore these tags.

**Note:** If you do not enter a script ID on the script record, NetSuite still auto-populates this field with a system-generated script ID.

For additional information, see the help topic [SuiteScript 2.0 Entry Point Script Deployment](#).

### **@NModuleScope JSDoc Tag Changes**

The `@NModuleScope` JSDoc tag now has the following possible values:

- SameAccount: Access to the module is limited to other modules from the same bundle, and modules native to the same source account or sandbox environment.
- TargetAccount: Access to the module is limited to other modules from the same bundle, and modules native to the same source account, target account, or sandbox environment.

- **Public:** Any script in the account can load and use the module.

**Note:** In Version 2016 Release 1, SuiteApp is no longer a valid value for @NModuleScope.

The @NModuleScope JSDoc tag is used to control access to SuiteScript 2.0 scripts and custom modules. Review the SuiteScript 2.0 help for @NModuleScope. Then update all bundled SuiteScript 2.0 scripts with one of the new @NModuleScope values.

**Note:** If you use the new NetSuite development account, the Public module scope enables you to successfully import a SuiteScript 2.0 script created in a development account into another environment (such as your NetSuite production or sandbox account).

For additional information, see the help topic [SuiteScript 2.0 JSDoc Validation](#)

For additional information about development accounts, see [New Development Environment for NetSuite Customizations](#) and [NetSuite Development Accounts and Module Scope](#).

## N/ui Module Refactor

For this release, the N/ui module is refactored into three new child modules:

- **N/ui/serverWidget Module:** This module contains all server-side APIs that were previously contained in the N/ui module. For additional information on new N/ui/serverWidget members, see *N/ui/serverWidget Enhancements*.
- **N/ui/message module:** This module contains new client-side APIs used to customize banner messages in the NetSuite UI.
- **N/ui/dialog Module:** This module contains new client-side APIs used to customize dialogs in the NetSuite UI.

If your existing SuiteScript 2.0 scripts use the N/ui module, review the help for the new N/ui/serverWidget module. Refactor all SuiteScript 2.0 scripts that use N/ui module APIs so that they now use the appropriate N/ui/serverWidget APIs.

## SuiteScript 2.0 Script Files Can Only Be Attached to One Bundle

For Version 2016 Release 1, you cannot attach a SuiteScript 2.0 script file to more than one bundle. If you create multiple bundles and the bundles include the same SuiteScript 2.0 script file, your script may throw a `Module does not exist` exception.

NetSuite is instituting this restriction to avoid the following scenario: You have the same script file bundled in both SuiteApp A and SuiteApp B. If SuiteApp B is upgraded, then the script file moves to SuiteApp B. The old location (module path) to SuiteApp A no longer works, which triggers an exception when the script in SuiteApp A attempts to execute.

### Scheduled Script Status Page – New Navigation Path

The navigation path for the Scheduled Script Status Page is changed for this release. This page can now be viewed by going to Customization > Scripting > Scheduled Script Status. In previous releases, this page was accessed by going to Customization > Scripting > Script Deployments > Status.

### Additional Supported Script Types

With Version 2016 Release 1, SuiteScript 2.0 adds support for the following script types.

- Portlet Script
- Workflow Action Script
- Bundle Installation Script
- Mass Update Script
- Custom Plug-ins

### Form Level Client Script Support

SuiteScript 2.0 now supports form level client scripts. As in SuiteScript 1.0, these client scripts are deployed on the form through the **Custom Code** subtab.

The screenshot displays the 'Custom Entry Form' configuration window. At the top, there are buttons for 'Save', 'Cancel', 'Reset', and 'Save & Move Elements'. Below these, the 'NAME' field is set to 'Custom Case Form'. The 'TYPE' is 'CRM' and the 'SUBTYPE' is 'Case'. There is an 'INACTIVE' checkbox which is currently unchecked. A horizontal tab bar contains 'Subtabs', 'Field Groups', 'Fields', 'Actions', 'Lists', 'QuickView', 'Custom Code' (which is selected and highlighted), and 'Roles'. Under the 'Custom Code' tab, the 'SCRIPT FILE' dropdown is set to 'UIObjectRegress.js'. The 'API VERSION' is '2.0'. There are two checkboxes: 'PIFUNCTION' (checked) and 'SRFUNCTION' (unchecked). At the bottom, there are buttons for 'Save', 'Cancel', 'Reset', and 'Save & Move Elements'.

### Search Pagination API

Version 2016 Release 1 introduces a new set of search result pagination APIs for the [N/search Module](#). These APIs enable you to page through search results.



```

/**
 * @ApiVersion 2.x
 */
require(['N/search'],
function(search)
{
    function loadAndRunSearch()
    {
        var mySearch = search.load({
            id: 'customsearch_my_so_search'
        });

        var myPagedData = mySearch.runPaged();

        myPagedData.pageRanges.forEach(function(pageRange){
            var myPage = myPagedData.fetch(pageRange);

            myPage.data.forEach(function(result){
                var entity = result.getValue('entity');
                var subsidiary = result.getValue('subsidiary');
            });
        });

        loadAndRunSearch();
    });
});

```

This enhancement increases script performance and gives you an intuitive means to efficiently traverse search result data.

## Map/Reduce Script Status UI

You can now monitor map/reduce script execution with the new Map/Reduce Script Status page. This page displays whether a map/reduce script deployment is pending, complete, or has failed. To view this page, go to Customization > Scripting > Map/Reduce Script Status.

Map/Reduce Script Status									
Refresh									
FILTERS									
<input type="checkbox"/> SHOW INACTIVES									
SCRIPT	DEPLOYMENT ID	DATE CREATED	START DATE	END DATE	STATUS	STAGE	QUEUES	DETAILS	CANCEL
map_reduce_sample	customdeploy1	11/19/2015 10:33:41 am	10:42 am		Failed		1	<a href="#">Details</a>	
map_reduce_sample	customdeploy1	11/19/2015 10:47:58 am	10:47 am	10:52 am	Complete		2	<a href="#">Details</a>	

For additional information, see the help topic [Map/Reduce Script Type](#).

## Map/Reduce Script Support for Multiple Iterations

Version 2016 Release 1 introduces a change to the map/reduce script type API. You can now invoke [mapReduce.Iterator](#) to perform multiple iterations on the [mapReduce.Summary](#) object.

**Important:** The method `Iterator.each(iteratorFunction)` is no longer supported. You must use `Iterator.iterator().each(iteratorFunction)` instead. In the example below, `summary.output.iterator().each(...)` replaces `summary.output.each(...)`.

```
summary.output.iterator().each(function(key, value){
    contents += (key + ' ' + value + '\n')
    return true;
});
```

### Multi-script Support for Credential Fields and Secret Key Fields

With this release, you can use the globally unique identifier (GUID) generated by credential fields and secret key fields in multiple SuiteScript 2.0 scripts.

For this enhancement, the [N/ui/serverWidget Module](#) includes changes to the `form.addSecretKeyField` and `form.addCredentialField` methods. These APIs now take in an array of script IDs for scripts that can use this GUID. Prior to this release, these methods only accepted one script ID.

```
/**
 * @NApiVersion 2.x
 */
require(['N/search'],
function(search)
{
    var form = serverWidget.createForm({
        title: 'Allow credentials in multiple scripts'
    });

    form.addCredentialField({
        id: 'username',
        label: 'Username',
        restrictToScriptIds: ['cust_script1', 'cust_script2'],
        restrictToCurrentUser: false,
        restrictToDomains: 'devbox3.corp.netsuite.com'
    });

    form.addSubmitButton();
});
```

For additional information, see the [N/ui/serverWidget Module](#).

### Date/Time and Date/Time Timezone Formatting and Parsing Support

This release adds the ability to parse Date/Time and Date/Time Timezone formatted strings into Date objects. It also adds the ability to format Date objects as Date/Time and Date/Time Timezone strings. These conversions are performed with the `format.format(options)` and `format.parse(options)` APIs.

```
/**
```

```

* @NApiVersion 2.x
*/
require(['N/format'],
  function(formatModule)
  {
    var date = new Date(); //INPUT: [Tue Dec 15 2015 17:43:45 GMT-0800 (PST)]

    var TOKYO = formatModule.format({
      value: date,
      type: formatModule.Type.DATETIME,
      timezone: formatModule.Timezone.ASIA_TOKYO
    });

    //TOKYO contains the string "12/16/2015 10:43:45 am"

    //-----

    var dateStr = '03/17/2015 09:00:00 pm'; //INPUT

    var PARSE__TOKYO = formatModule.parse({
      value: dateStr,
      type: formatModule.Type.DATETIME,
      timezone: formatModule.Timezone.ASIA_TOKYO
    });

    //PARSE_TOKYO contains the Date Object [Tue Mar 17 2015 05:00:00 GMT-0700 (PDT)]
  });

```

For additional information, see the help topic [N/format Module](#).

### Custom Plug-in Support

SuiteScript 2.0 now supports custom plug-ins. Note that new SuiteScript 2.0 plug-in implementations must include the `@NScriptType` JSDoc tag with a value of `PluginTypeImpl`.

**Note:** SuiteScript 2.0 custom plug-in implementations are server-side only.

This release also introduces a new SuiteScript 2.0 module to support custom plug-in types. The `N/plugin` module is used to list and load implementations of custom plug-in types. It consists of the following APIs:

- `plugin.findimplementations`: This method returns the implementations of a passed in custom plug-in type.
- `plugin.loadimplementations`: This method instantiates an implementation of a passed in custom plug-in type. It then returns an object that encapsulates the custom plug-in type.

```

/**
 * @NApiVersion 2.x
 */
require(['N/plugin'],
  function(plugin)
  {

```

```

var impls = plugin.findImplementations({
    type: 'customscript_magic_plugin'
});

for (i = 0; i < impls.length; i++){
    var pl = plugin.loadImplementation({
        type: 'customscript_magic_plugin',
        implementation: impls[i]
    });

    var output = {};
    pl.doTheMagic({
        operand1: 10,
        operand2: 20
    }, output);

    log.debug('impl ' + impls[i] + ' result = '
        + output.result);
}

var pl = plugin.loadImplementation({
    type: 'customscript_magic_plugin'
});

var output = {};

pl.doTheMagic({
    operand1: 10,
    operand2: 20
}, output);

log.debug('default impl result = ' +
    output.result);
});

```

## New Type Enums for Search and Transaction Modules

For this release, SuiteScript 2.0 adds two new enums to the search and transaction modules. These enums, [search.Type](#) and [transaction.Type](#), are modeled from the [record.Type](#) enum.

- The [search.Type](#) enum encapsulates the records supported in [search.create\(options\)](#).
- The [transaction.Type](#) enum encapsulates the transaction records supported in [transaction.void\(options\)](#).

```

/**
 * @NApiVersion 2.x
 * @NScriptType ClientScript
 */
define(['N/record', 'N/search', 'N/transaction'],
    function(record, search, transaction)
    {
        return {
            pageInit: function()
            {
                console.log('changed');
                var accountType = record.Type.ACCOUNT;
            }
        };
    }
);

```

```

        var vendorType = search.Type.VENDOR;
        var invoiceType = transaction.Type.INVOICE;
    }
});

```

## New Methods Added for Advanced Printing

Version 2016 Release 1 adds three new methods to the SuiteScript 2.0 N/render module: `TemplateRenderer.addCustomDataSource`, `TemplateRenderer.setTemplateByScriptId`, and `TemplateRenderer.setTemplateById`.

- You can use the `TemplateRenderer.addCustomDataSource(options)` method to include values from XML or JSON data sources in advanced templates for NetSuite transactions. This method takes the data, data source, and data format as arguments and is available to server-side scripts only.
- You can use the `TemplateRenderer.setTemplateByScriptId(options)` method to set the template by script ID. This method takes the advanced template's script ID as an argument.

You can use the `TemplateRenderer.setTemplateById(options)` method to set the template by internal ID. This method takes the advanced template's internal ID as an argument.

The following sample illustrates the `TemplateRenderer.addCustomDataSource(options)` method, showing a template that uses both XML and JSON data sources.

```

/**
 * @NApiVersion 2.x
 */
require(['N/render'],
function(render)
{
    var renderer = render.create();

    var xmlObj = xml.Parser.fromString(xmlString);
    var jsonObj = JSON.parse(jsonString);

    renderer.templateContent = "${XML.book.title}<br />${XML.book.chapter[1].title}<br />${
JSON.book.title}<br />
    ${JSON.book.chapter[1].title}<br />${JSON_STR.book.title}<br />${XML_STR.book.title
}";

    renderer.addCustomDataSource({
        format: render.DataSource.XML_DOC,
        alias: "XML",
        data: xmlObj
    });

    renderer.addCustomDataSource({
        format: render.DataSource.XML_STRING,
        alias: "XML_STR",
        data: xmlString
    });
}
);

```

```
});  
  
renderer.addCustomDataSource({  
    format: render.DataSource.OBJECT,  
    alias: "JSON",  
    data: jsonObj  
});  
  
renderer.addCustomDataSource({  
    format: render.DataSource.JSON,  
    alias: "JSON_STR",  
    data: jsonString  
});  
  
var xml = renderer.renderAsString();  
});
```

For additional information on these APIs, see the help topic [render.TemplateRenderer](#). For additional information regarding the new SuiteBuilder features related to these APIs, see [Custom Data Sources Supported for Advanced Printing and New Script ID Field](#).

## SuiteScript 2.0 – The Basics

- [Advantages to SuiteScript 2.0](#)
- [Version Cohabitation Rules](#)
- [Script Creation Process](#)
- [JSDoc and Script Validation](#)
- [Script Upload and Deployment](#)
- [Script Types](#)
- [Script Entry Points](#)
- [Global Objects](#)
- [SuiteScript 2.0 Modules](#)
- [Custom Modules](#)
- [NetSuite Debugger Support](#)
- [Features Not Currently Supported In SuiteScript 2.0](#)

### Advantages to SuiteScript 2.0

- [Modular Architecture](#)
- [Modern JavaScript Syntax and Behavior](#)
- [Asynchronous Client Side Processing – Promises](#)

- [Map/Reduce Script Type](#)

## Modular Architecture

SuiteScript 2.0 is designed to be modular. SuiteScript 2.0 implements the Asynchronous Module Definition (AMD) specification. AMD is used to define and load JavaScript modules and their dependencies. For additional information regarding AMD, see <http://requirejs.org/docs/whyamd.html>.

All SuiteScript 2.0 APIs are organized into modules. Each SuiteScript 2.0 module encapsulates a specific set of functionality. For example, you load the file module when you need to work with files in NetSuite. For additional information on SuiteScript 2.0 modules, see the help topic [SuiteScript 2.0 Modules](#).

For additional information on SuiteScript 2.0 Architecture, see the help topic [SuiteScript 2.0 – Script Architecture](#).

## Dependency Management and Improved Performance

SuiteScript 2.0 gives you built-in dependency management. It also gives you improved performance. With SuiteScript 2.0, you define the dependencies that must load prior to module execution. The module loader loads only the modules that you specify. Because you are not loading all available dependencies at one time (as you do in SuiteScript 1.0), your script loads faster. In addition, required dependencies are loaded asynchronously in client-side scripts.

## Complexity Management and Intuitive Code Organization

Modern SuiteApps require complex SuiteScripts that typically consist of many lines of code. SuiteScript 2.0 gives users built-in complexity management. Modularity adds encapsulation, provides intuitive code organization, and ensures there are no global variable or method naming conflicts. In addition, dependency management enables you to concentrate on logic instead of dependencies and load order.

## Modern JavaScript Syntax and Behavior

The underlying design principle of SuiteScript 2.0 is that **SuiteScript 2.0 === JavaScript**. The syntax is straightforward and the behavior is intuitive. SuiteScript 2.0 is designed to encourage the best practices required to scale to large, complex SuiteApps.

The following is a basic example of a SuiteScript 2.0 script.

```
/**
 * @NApiVersion 2.x
 * @NScriptType UserEventScript
 */
define(['N/file'],
    function(file)
    {
        function doSomething() {
            var fileObj = file.create({
```

```
        name: 'test.text',
        fileType: file.Type.PLAINTEXT,
        contents: 'Hello World\nHello World'
    });

    fileObj.folder = 30;
    var fileId = fileObj.save();
};

return {
    afterSubmit: doSomething
};
};
```

### Consistent Behavior

Consistency is an important aspect of SuiteScript 2.0. The following are several prominent examples.

- All SuiteScript 2.0 methods take a plain JavaScript object as an input. In the example below, the method `record.load` takes in a JavaScript object that consists of two key/value pairs: `type: record.Type.SALES_ORDER` and `id: 6`.

```
var recObj = record.load({
    type: record.Type.SALES_ORDER,
    id: 6
});
```

Within the SuiteScript 2.0 API, all method inputs are named options. For example, the `record.load` signature is listed as `record.load(options)`.

**Note:** JavaScript objects can contain a mixture of value types. See the applicable SuiteScript 2.0 API help topic for supported value types.

- All SuiteScript 2.0 booleans take a value of `true` or `false`. All other boolean values (for example: `T` or `F`) throw an error.
- Parameter types in SuiteScript 2.0 are strictly adhered to. You must pass in valid parameter types, as listed in the SuiteScript 2.0 help. SuiteScript 2.0 does not convert invalid parameter values to valid values.

### nlapi/nlobj Prefix Retirement

SuiteScript 2.0 is modeled to look and behave like modern JavaScript. To meet that objective, SuiteScript 2.0 methods and objects are not prefixed with `nlapi` and `nlobj`.

This change also reflects the modular organization of SuiteScript 2.0. SuiteScript 1.0 methods and objects respectively belong to the `nlapi` and `nlobj` namespaces. SuiteScript 2.0 methods and objects are encapsulated within various modules.

### Properties and Enumerations



SuiteScript 2.0 adopts the usage of properties and enumerations. Most SuiteScript 1.0 getter and setter methods are replaced with properties. Enumerations encapsulate common constants (for example, standard record types).

**Note:** JavaScript does not include an enumeration type. The SuiteScript 2.0 documentation uses the term enumeration (or enum) to describe the following: a plain JavaScript object with a flat, map-like structure. Within this object, each key points to a read-only string value.

### Updated Sublist and Column Indexing

The standard practice in the development world is to start indexing at 0. This behavior is observed in the majority of programming languages. SuiteScript 1.0 starts sublist and column indexing at 1. To bring SuiteScript into alignment with modern JavaScript, sublist and column indexing within SuiteScript 2.0 begins at 0.

### Asynchronous Client Side Processing – Promises

Promises are JavaScript objects that represent the eventual result of an asynchronous process. After these objects are created, they serve as placeholders for the future success or failure of an operation. During the period of time that a promise object is waiting in the background, the remaining segments of the script can execute.

In SuiteScript 2.0, all client scripts support the use of promises. With promises, developers can write asynchronous code that is intuitive and efficient. SuiteScript 2.0 provides promise APIs for selected modules (see the following for additional information: [N/email Module](#), [N/http Module](#), [N/https Module](#), [N/record Module](#), [N/search Module](#), and [N/transaction Module](#)). In addition, you can create custom promises in all client scripts. For additional information regarding promises, see the help topic [Promise object](#).

### Map/Reduce Script Type

SuiteScript 2.0 introduces a new server-side script type based on the map/reduce model. Map/reduce scripts provide a structured framework for server-side scripts that process a large number of records. In addition, SuiteCloud Plus users can also use map/reduce scripts to process records in parallel across multiple work queues. Users manually select the number of work queues to utilize from the script deployment record.

For additional information on the map/reduce script type, see the help topic [Map/Reduce Script Type](#).

### Version Cohabitation Rules

Your script (entry point script and supporting library scripts) must use either SuiteScript 1.0 or SuiteScript 2.0. You cannot use APIs from both versions in one script.

You can, however, have multiple scripts that use different SuiteScript versions. These can be deployed in the same account, in the same SuiteApp, and on the same record.

## Script Creation Process

The following is a very basic process flow for SuiteScript 2.0 script creation.

**Note:** Your specific process may vary, depending on the content of your script.

Stage	Description	Additional Information
1	Use the <code>define()</code> function to load SuiteScript 2.0 modules in your entry point script. Your entry point script is the script you attach to the script record.	SuiteScript 2.0 – Script Architecture SuiteScript 2.0 Global Objects and Methods
2	Add required JSDoc tags to your entry point script.	SuiteScript 2.0 JSDoc Validation
3	Add at least one entry point function to your entry point script. An entry point function is a named function that is executed when an entry point is triggered.  <b>Important:</b> Your entry point script can implement only one script type. For example, your entry point script cannot return both a <code>beforeLoad</code> entry point and an <code>onRequest</code> entry point.	SuiteScript 2.0 Script Types and Entry Points
4	Organize your supporting code into custom modules (as a replacement for SuiteScript 1.0 libraries). Create these modules with the <code>define()</code> function and then load them in your entry point script.	SuiteScript 2.0 Global Objects and Methods
5	Upload and deploy your script to NetSuite.	SuiteScript 2.0 Entry Point Script Deployment

## JSDoc and Script Validation

SuiteScript 2.0 uses JSDoc during the script validation process. When a SuiteScript 2.0 script record is requested, NetSuite uses JSDoc to evaluate the entry point script and parse the code for the required JSDoc tags. These tags are used to validate the SuiteScript version and the SuiteScript 2.0 script type.

For additional information on required JSDoc tags and script validation, see the help topics [SuiteScript 2.0 JSDoc Validation](#) and [SuiteScript 2.0 Entry Point Script Validation](#).

## Script Upload and Deployment

For additional information on script upload and script record creation, see the help topic [Script Record Creation](#). For additional information on script deployment, see the help topic [Script Deployment](#).

## Script Types

The following script types are supported in SuiteScript 2.0.

- [Client Script Type](#)

- User Event Script Type
- Suitelet Script Type
- RESTlet Script Type
- Scheduled Script Type
- Map/Reduce Script Type
- Portlet Script Type
- Bundle Installation Script Type
- Mass Update Script Type
- Workflow Action Script Type

### Script Entry Points

In SuiteScript 2.0, script entry points (an example client script entry point is `pageInit`) are included in the code. Each entry point script (the script attached to the script record) must include at least one entry point and corresponding entry point function. An entry point function is a public function that is executed when a script entry point is triggered. The primary logic within an entry point script is contained within its entry point functions.

Note that your entry point script can implement only one script type. For example, your entry point script cannot return both a `beforeLoad` entry point and an `onRequest` entry point. If your script does not conform to this rule, script validation fails when you attempt to create a script record.

**Important:** Place all logic in at least one named function. In an entry point script, SuiteScript API calls can only be executed as a result of the system calling one or more of your entry point functions (after the `define` callback's return statement has executed).

```
/**
 * @NApiVersion 2.x
 * @NScriptType ClientScript
 */
define(['N/record'],
function(record)
{
    function alertPageLoaded(context)
    {
        alert('Page is loaded');
    };

    function fieldChanged(context)
    {
        var currentRecord = context.currentRecord;
        auditRecordChanges(currentRecord.type, currentRecord.id);
    }
}
```

```

        updateMemoFieldWhenItemFieldIsChanged(context);
    }

    function auditRecordChanges(type, id)
    {
        var logRecord = record.create({
            type: 'customrecord_log',
            isDynamic: true
        });

        logRecord.setValue('custrecord_recordType', type);
        logRecord.setValue('custrecord_recordId', id);
        logRecord.setValue('custrecord_changedDate', new Date());
        logRecord.save();
    }
    function updateMemoFieldWhenItemFieldIsChanged(context)
    {
        if(context.fieldId === 'item') {
            context.currentRecord.setValue('memo', 'item field is changed');
        }
    }
    return({
        pageInit: alertPageLoaded,
        fieldChanged: fieldChanged
    });
});

```

For additional information on script entry points, see the help topic [SuiteScript 2.0 Script Types and Entry Points](#). For additional information on entry point scripts, see the help topic [SuiteScript 2.0 Entry Point Script Validation](#).

## Global Objects

The following are global objects within SuiteScript 2.0. You are not required to load these to use them.

- [define Function](#)
- [JSON object](#)
- [log Object](#)
- [Promise object](#)
- [require Function](#)
- [util Object](#)

For additional information on global objects, see the help topic [SuiteScript 2.0 Global Objects and Methods](#).

## SuiteScript 2.0 Modules

SuiteScript 2.0 includes a complete set of APIs that are organized into various modules, based on behavior. These modules are described below.

**Note:** SuiteScript 2.0 gives you the ability to load all SuiteScript 2.0 modules at one time. This is done by passing the modules' parent directory to the `define()` statement and its callback function: `define(['N'], function(N) {...});`. This is a convenient way to load all modules, but does minimize the performance advantage of only loading modules that are needed. NetSuite provides this feature so that you can test and familiarize yourself with SuiteScript 2.0. It is not recommended that you load all modules at once in a production environment.

Module	Description
N/auth Module	Load the N/auth module when you want to change your NetSuite login credentials.
N/config Module	Load the N/config module when you want to access NetSuite configuration settings. See the help topic <a href="#">config.Type</a> for a list of supported configuration pages.
N/crypto Module	Load the N/crypto module to work with hashing, hash-based message authentication (hmac), and symmetrical encryption. You can access a set of wrappers for OpenSSL's hash, hmac, cipher, and decipher methods.
N/currency Module	Load the N/currency module to work with exchange rates within your NetSuite account. You can use the N/currency module to find the exchange rate between two currencies based on a certain date.
N/email Module	Load the N/email module when you want to send email messages from within NetSuite. You can use the N/email module to send regular, bulk, and campaign email.
N/encode Module	Load the N/encode module when you want to convert a string to another type of encoding. See the help topic <a href="#">encode.Encoding</a> for a list of supported character set encoding.
N/error Module	Load the N/error module when you want to create your own custom SuiteScript errors. Use these custom errors in try-catch statements to abort script execution.
N/file Module	Load the N/file module to work with files in NetSuite.
N/format Module	Load the N/format module to convert strings into a specified format and to parse formatted data into strings.
N/http Module	Load the N/http module to make HTTP calls. All HTTP content types are supported.
N/https Module	Load the N/https module to make HTTPS calls. You can also use this module to encode binary content or securely access a handle to the value in a NetSuite credential field.
N/portlet Module	Load the N/portlet module when you want to resize or refresh a form portlet.
N/record Module	Load the N/record module when you want to work with NetSuite records.
N/redirect Module	Load the N/redirect module when you want to redirect users to one of the following: <ul style="list-style-type: none"> <li>• URL</li> <li>• Suitelet</li> <li>• Record</li> <li>• Task link</li> <li>• Saved search</li> <li>• Unsaved search</li> <li>• Search result set</li> </ul>

Module	Description
N/render Module	Load the N/render module to create forms or email from templates and to print to PDF or HTML.
N/runtime Module	Load the N/runtime module when you want to access the runtime settings for company, script, session, system, user, or version.
N/search Module	Load the N/search module to create and run ad-hoc or saved searches and analyze and iterate through the search results. You can search for a single record by keywords, create saved searches, search for duplicate records, or return a set of records that match filters you define.
N/sso Module	Load the N/sso module when you want to generate outbound single sign-on (SuiteSignOn) tokens
N/task Module	Load the N/task module to create tasks and place them in the internal NetSuite scheduling or task queue. Use the N/task module to schedule scripts, run Map/Reduce scripts, import CSV files, merge duplicate records, and execute asynchronous workflows.
N/transaction Module	Load the N/transaction module to void transactions.
N/ui/dialog Module	Load the N/dialog module to customize dialogs in the NetSuite UI.  <b>Note:</b> This module is a child of the N/ui module. If you pass N/ui to the define() function in a server-side script, the N/ui/serverWidget module is loaded. If you pass N/ui to the define() function in a client-side script, the N/ui/dialog and N/ui/message modules are loaded.
N/ui/message module	Load the N/message module to customize banner messages in the NetSuite UI.  <b>Note:</b> This module is a child of the N/ui module. If you pass N/ui to the define() function in a server-side script, the N/ui/serverWidget module is loaded. If you pass N/ui to the define() function in a client-side script, the N/ui/dialog and N/ui/message modules are loaded.
N/ui/serverWidget Module	Load the N/ui/serverWidget module when you want to work with the user interface within NetSuite. You can use server-side scripts such as Suitelets and user event scripts to build custom pages and wizards that have a NetSuite look and feel. You can also create various components of the NetSuite UI (for example, forms, fields, sublists, tabs).  <b>Note:</b> This module is a child of the N/ui module. If you pass N/ui to the define() function in a server-side script, the N/ui/serverWidget module is loaded. If you pass N/ui to the define() function in a client-side script, the N/ui/dialog and N/ui/message modules are loaded.
N/url Module	Load the N/url module when you want to determine URL navigation paths within NetSuite or format URL strings.
N/workflow Module	Load the N/workflow module to initiate new workflow instances or trigger existing workflow instances.
N/xml Module	Load the N/xml module to validate, parse, read, and modify XML documents.

## Custom Modules

SuiteScript 2.0 enables you to create your own custom modules. You can use these custom modules to organize your code (as a replacement for SuiteScript 1.0 libraries). Additionally, you

can add custom modules to SuiteApps and expose those modules to third parties. Create these modules with the `define()` function and then load them in your entry point script.

For additional information on custom modules, see the help topics [SuiteScript 2.0 Global Objects and Methods](#) and [Controlling Access to Scripts and Custom Modules](#).

### NetSuite Debugger Support

SuiteScript 2.0 includes full NetSuite Debugger support. Note that in ad hoc debug mode, you must use the `require()` function to step through SuiteScript 2.0 code. The ad hoc debugger does not step through the `define()` function.

### Features Not Currently Supported In SuiteScript 2.0

The following features are not currently supported in SuiteScript 2.0.

- Core Plug-ins
- SSP scripts
- SuiteCommerce Advanced
- Client-side Scriptable Cart and Checkout

## SuiteScript Record Exposures

Record Type	Newly Exposed/Update	Notes
Accounting Period	Newly Exposed	Available when the Accounting Periods features is enabled.  Only search and read functions are supported.
Currency	Update	The <code>currencyprecision</code> field has been exposed as of Version 2016 Release 1.
Custom Segments	Newly Exposed	Scripting is supported for custom segment values and for custom segments as fields. Scripting is not supported for custom segment definitions.  For more information, see <a href="#">SuiteScript Support for Custom Segment Values</a> .
Fair Value Price	Newly Exposed	Available when the Advanced Revenue Management feature is enabled. For information about this feature, see <a href="#">Advanced Revenue Management</a> .  For more details about these record exposures, see <a href="#">SuiteScript Support for Advanced Revenue Management</a> .
Item	Update	
Journal Entry	Update	
Project (Job)	Update	
Revenue Arrangement	Newly Exposed	

Record Type	Newly Exposed/Update	Notes
Revenue Recognition Plan	Newly Exposed	

## 2016.1 SuiteScript Records Browser

The 2016.1 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.

## SuiteTalk (Web Services) Integration

Refer to the following sections for details on all SuiteTalk (Web Services) updates for Version 2016 Release 1:

- [Integration Record Enhancements](#)
- [Web Services Support for Custom Segment Values](#)
- [Web Services Support for the Fair Value Price Record](#)
- [Deprecated and Changed Enumeration Values](#)
- [2016.1 WSDL Now Generally Available](#)
- [Araxis Merge Diff File for the 2016.1 Endpoint](#)
- [2016.1 SuiteTalk Schema Browser](#)

### Integration Record Enhancements

In Version 2016 Release 1, the integration record includes the following enhancements:

- [System Notes](#)
- [Execution Log Changes](#)

### System Notes

As of Version 2016 Release 1, system notes track changes made to each integration record. System notes are used to track events such as the creation of the record, the initial values of its fields, and subsequent updates. For example, if a user changed the **State** field from **Blocked** to



**Enabled**, a system note would provide a record of that change. For each event, the system logs details such as the ID of the user who made the change and the timestamp of the change. If a user changes the value of the field, the system note also shows the former value of the field.

You can search for system notes by using the System Note search type, at Reports > New Search. Additionally, you can display a list of the logged changes by clicking on the System Notes subtab of any integration record.

Authentication

Web Services Execution Log

RESTlets Execution Log

System Notes

FIELD

- All -

VIEW

Default

Customize View

DATE ▾	SET BY	CONTEXT	TYPE	FIELD	OLD VALUE	NEW VALUE
12/28/2015 1:48 pm	Kate Johnson	UI	Change	State	Enabled	Blocked
12/28/2015 1:48 pm	Kate Johnson	UI	Change	Last State Change By	Jack Smith	Kate Johnson
12/28/2015 12:38 pm	Susan Jones	UI	Set	Note	See Susan for issues related to this integration.	
12/28/2015 12:38 pm	Susan Jones	UI	Set	Description	This integration is used to manage sales orders and customers.	
12/28/2015 12:33 pm	Jack Smith	UI	Set	Token-Based Authentication	F	

For additional details, see the help topic [Tracking Changes to Integration Records](#).

## Execution Log Changes

In this release, the integration record's Execution Log subtab has been renamed to Web Services Execution Log. A new subtab also has been added to this record: the RESTlets Execution Log. The RESTlets Execution Log tracks calls made to RESTlets that use token-based authentication (TBA).

On any integration record, the RESTlets Execution Log subtab lists those calls that referenced the consumer key associated with that integration record. Calls that use the NLAAuth method of authentication are not logged.

By contrast, the Web Services Execution Log subtab lists all requests that referenced either the consumer key or the application ID associated with the record. These requests can include those that authenticated through TBA, user credentials, or inbound single sign-on.

On both subtabs, the log shows the time that each call was made, duration of the call, actions taken, and other data.

For additional details, see the help topic [Using the Web Services Execution Log](#).

## Web Services Support for Custom Segment Values

Version 2016 Release 1 includes web services support for the Custom Segments feature.

The Custom Segments feature is part of the SuiteGL feature set. Custom segments are custom classification fields similar to class, department, and location. When this feature is enabled, an

administrator working in the UI can create custom segments, define possible values for each segment, and apply the segments to specific record types. A custom segment appears as a field on instances of record types where the segment was applied. Users can then classify records by selecting the appropriate value for each segment.

This release includes the following web services support:

- In many cases, you can use web services to set values for custom segments that exist as fields. You can set values on instances of record types that are exposed to web services and have a CustomFieldList defined as part of the exposure. For details, see the help topic [Using CustomFieldList to Set Custom Segment Values](#).
- You can use web services to create values for existing custom segments. For details, see the help topic [Working With Custom Segment Values](#).

For general details about the Custom Segments feature, see the help topic [Custom Segments](#).

## Web Services Support for the Fair Value Price Record

The 2016.1 WSDL includes support for the fair value price record, which is part of the Advanced Revenue Management feature. The FairValuePrice complex type is defined in the [Accounting XSD](#).

The Advanced Revenue Management feature is new in this release. It replaces several legacy revenue management features, including Revenue Recognition and Revenue Commitments. For details, see [Advanced Revenue Management](#).

Before you can use web services to create fair value price records, you must have enabled the Advanced Revenue Management feature. You must also have added a formula for calculating a fair value price.

Configuration of advanced revenue management is complex. NetSuite strongly recommends that you engage NetSuite Professional Services or a NetSuite partner to assist with your implementation.

## Deprecated and Changed Enumeration Values

In the 2016.1 WSDL, some enumerations have changed. Values in some enumerations have been renamed. Values in other enumerations have been deprecated. Before upgrading to the 2016.1 endpoint, you should review the changes and update your integrations as needed.

The renamed and deprecated values are described in the following table.

Enumeration	XSD	Deprecated or Replaced Value	New Value
Country	commonTypes	_unitedKingdomGB	_unitedKingdom

Enumeration	XSD	Deprecated or Replaced Value	New Value
CurrencyCurrencyPrecision	accountingTypes	_one	
PermissionCode	commonTypes	_employeeRecognitions	_kudos
PermissionCode	commonTypes	_governmentIssuedIds	_advancedGovernmentIssuedIds
StatusDetailCodeType	faultTypes	_COMPANY_DISABLED	

The 2016.1 WSDL also adds values to the PermissionCode and StatusDetailCodeType enumerations. The TransactionLinkType enumeration, which is defined in the [saleTypes](#) XSD, also includes new values. For details on these added values, refer to the [Araxis Merge Diff file](#).

## 2016.1 WSDL Now Generally Available

The 2016.1 WSDL is now generally available and can be viewed at the following URL:

[https://webservices.netsuite.com/wsd/v2016\\_1\\_0/netsuite.wsdl](https://webservices.netsuite.com/wsd/v2016_1_0/netsuite.wsdl).

## Araxis Merge Diff File for the 2016.1 Endpoint

The [Araxis Merge Diff file](#) highlights 2015.2 - 2016.1 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).

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

When you click any of these links, the 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="_adjustInventoryUnbilled"/>	513	<enumeration value="_accountsReceivableRegister"/>
514	<enumeration value="_adjustInventoryWorksheet"/>	514	<enumeration value="_adjustInventoryUnbilled"/>
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="_allocationSchedules"/>
		522	<enumeration value="_allowNonGLChanges"/>
		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="voiceDelivered" type="xsd:boolean" minOccurs="0"/>	1055	<element name="voiceDelivered" type="xsd:boolean" minOccurs="0"/>
1055	<element name="chargeType" type="platformCommonType:ChargeRuleType" minOccurs="0"/>	1056	<element name="chargeType" type="platformCore:RecordRef" minOccurs="0"/>
1056	<element name="chargesList" type="platformCore:RecordRefList" minOccurs="0"/>	1057	<element name="chargesList" type="platformCore:RecordRefList" minOccurs="0"/>
1057	<element name="customFieldList" type="platformCore:CustomFieldList" minOccurs="0"/>	1058	<element name="customFieldList" type="platformCore:CustomFieldList" minOccurs="0"/>

## 2016.1 SuiteTalk Schema Browser

The 2016.1 version of the [SuiteTalk Schema Browser](#) is now available. You can find links to the Schema Browser in several places, including the following:

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

## SuiteCloud IDE

SuiteCloud IDE is an Eclipse-based integrated development environment (IDE) that is packaged for NetSuite platform development.

SuiteCloud IDE now supports SuiteScript 2.0.

### Support for SuiteScript 2.0

SuiteCloud IDE support for SuiteScript 2.0 includes the following features:

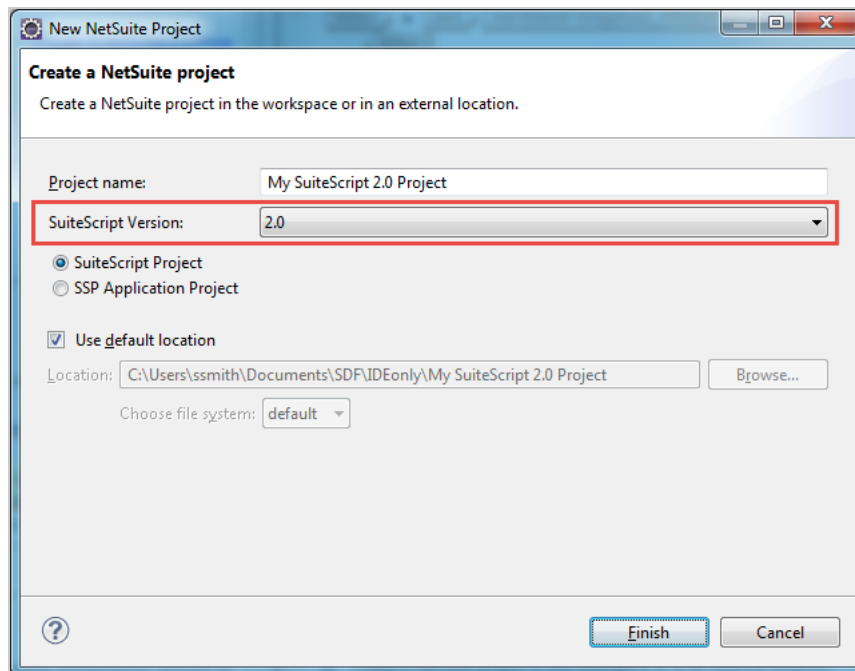
- [Create SuiteScript 2.0 Project](#)
- [Create SuiteScript 2.0 Files](#)
- [Switch SuiteScript Version in Projects](#)

You can also use the debugger, available through SuiteCloud IDE, to debug server-side SuiteScript 2.0 scripts.

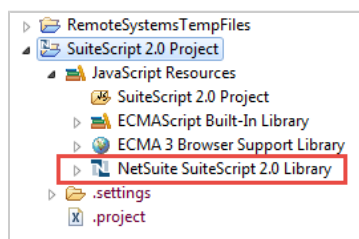
### Create SuiteScript 2.0 Project

Go to File > New > NetSuite Project in SuiteCloud IDE to open the New NetSuite Project window and select **2.0** for the **SuiteScript Version** property.

The following screenshot shows the **SuiteScript Version** property in the New NetSuite Project window:



When you create a SuiteScript 2.0 project, the project includes the SuiteScript 2.0 Library:

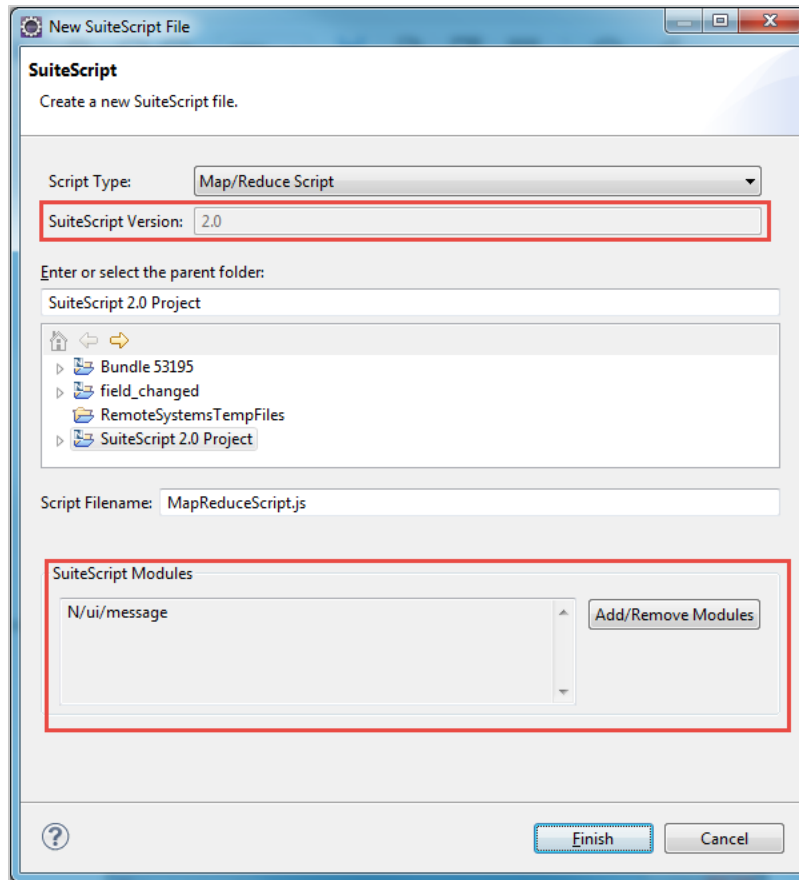


**Note:** After you create the project, you can use the Change Project Settings window to change the project version after you create the project. See [Switch SuiteScript Version in Projects](#).

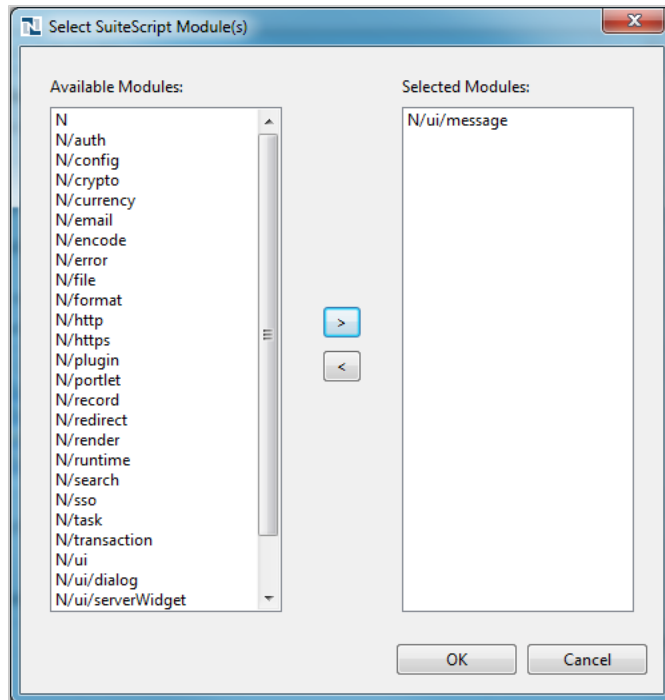
## Create SuiteScript 2.0 Files

Go to File > New > SuiteScript File to create script files for all supported SuiteScript 2.0 script types. SuiteCloud IDE includes SuiteScript 2.0 templates for supported script types. In addition, you can select the modules to include in the `define` statement in the script file.

The following screenshot shows the New SuiteScript File window for a client script that includes the message module:



Click **Add/Remove Modules** in the New SuiteScript File window to select modules:



## Switch SuiteScript Version in Projects

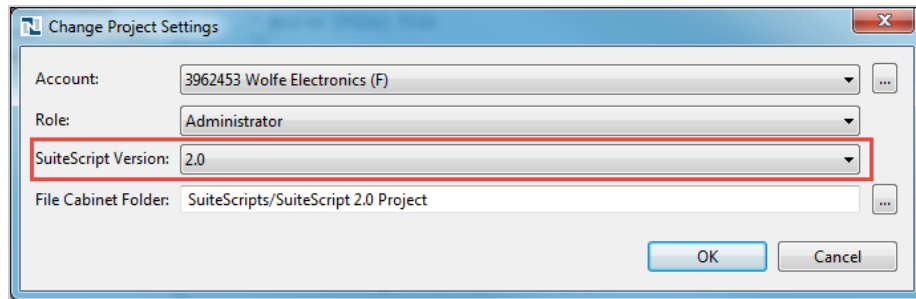
You can switch project settings between SuiteScript version 1.0 and SuiteScript version 2.0 in SuiteCloud IDE. Switching the SuiteScript version changes the library used by the project. SuiteCloud IDE uses the associated library to perform code completion and validation.

The following table lists the library versions and SuiteCloud IDE behavior for each SuiteScript version in 2016.1:

SuiteScript Version	SuiteScript Library	SuiteCloud IDE Behavior
1.0	NetSuite SuiteScript 1.0 Library	<ul style="list-style-type: none"><li>Provides code completion for the SuiteScript API functions, objects, and internal IDs</li><li>Validates SuiteScript 1.0 code</li></ul>
2.0	NetSuite SuiteScript 2.0 Library	<ul style="list-style-type: none"><li>Provides code completion for SuiteScript 2.0 module objects, methods, and enums</li><li>Does <b>not</b> provide validation of SuiteScript 2.0 code</li></ul>

Go to NetSuite > Change Project Settings to change the SuiteScript version and other project settings. The following screenshot shows the **SuiteScript Version** dropdown list in the Change Project Settings window:





## SuiteApps (Bundles) Released by NetSuite

Version 2016 Release 1 includes the following enhancements to SuiteApps released by NetSuite:

- Australia Post Integration
- Customer Part Number
- Estimated Landed Cost
- Dun & Bradstreet for NetSuite Integration
- Enhancements to Payment Gateway Plug-in
- Grid Order Management Enhancements
- Recurring Billing Enhancements
- Software Vertical Contract Renewals Enhancements
- Electronic Invoicing
- Dunning Enhancements
- Czech Republic VAT Control Statement
- Slovak Republic VAT Ledger Statement
- Fixed Asset Management Enhancements
- NetSuite for Outlook Enhancements
- Last Sales Activity Enhancements
- Import Withholding Tax Transactions Using Web Services
- Intrastat Report for Austria
- SuiteSocial Enhancements
- Automatic Chargeback Processing

## Australia Post Integration

The Australia Post SuiteApp lets you integrate your Australia Post account with NetSuite. With an integrated account, you can do the following:

- Process Australia Post shipping services
- Calculate shipping rates
- Display the tracking number on your transaction forms
- Lodge items with Australia Post
- Print the shipping manifest and labels

If you have a web store, you can offer Australia Post shipping services to your customers. You can also integrate the Collections Widget on your checkout page. Your customers can use this tool to search for and send their orders to a parcel locker or post office.

**Note:** The Australia Post SuiteApp is suitable for the NetSuite Australia edition and NetSuite OneWorld with Australian subsidiary.

The Australia Post Integration also requires the Shipping Partners feature enabled in your account. For more information about requirements and features, see the help topic [Shipping Integration with Australia Post](#).

## Customer Part Number

Enhancements to the Supply Chain Management SuiteApp will enable you to set up customer part numbers for existing and new items. On item records, you will be able to associate customers with their own customer part numbers. You will be able to set up customer part numbers one at a time or import using a CSV file, through web service, or scheduled scripts.

On a transaction, you will be able to add items using the customer part number. This will replace the use of item numbers when you create sales orders and invoices.

For more information, see the help topic [Customer Part Number](#).

## Estimated Landed Cost

Estimated Landed Cost will extend the Landed Cost feature with the use of templates where you can set up multiple cost categories. Use the templates to automatically calculate landed cost estimates for the following transactions: purchase order, item receipt, and standalone vendor bill. This automatic calculation of estimates will eliminate the need to manually enter landed

cost estimates, especially when receiving large orders. Landed cost templates can be assigned to inventory and assembly items where you track landed cost.

Estimated Landed Cost will be available in the Supply Chain Management SuiteApp.

For more information, see the help topic [Estimated Landed Cost](#).

## Dun & Bradstreet for NetSuite Integration

The Dun & Bradstreet for NetSuite Integration SuiteApp enables subscribers of D&B Data Management for NetSuite to do the following:

- Add the DUNS number and other D&B commercial data to NetSuite entity records
- Run batch matching of NetSuite entity with D&B records
- Create entity records with D&B data
- View D&B data for a customer, lead, prospect, or vendor

For subscribers of DNBi Risk Management for NetSuite, you will be able to:

- Apply for credit with matching
- Submit credit requests on sales orders
- View credit decisions
- Request for more credit

For more information, see the help topic [Dun & Bradstreet for NetSuite Integration](#).

## Enhancements to Payment Gateway Plug-in

Enhancements to the Payment Gateway SuiteApp will provide support for the following payment services from PayU (Latin America) and AsiaPay:

### PayU Latam External Checkout Integration

- Available for Latin American countries: Argentina, Brazil, Chile, Colombia, Mexico, Panama, and Peru
- Enables you to accept credit card, cash, bank transfer, and bank payments

### AsiaPay External Checkout Integration

- Will let you use AsiaPay's payment platforms in Asia: PayDollar, PesoPay, and SiamPay

- Will enable you to accept customer payments made through AsiaPay's service partners: AliPay, ChinaPay, PayPal, and TenPay

With the integration, web store customers will be redirected to the external checkout pages of PayU or AsiaPay to complete their payment.

For more information about the Payment Gateway SuiteApp, see the help topic [Payment Gateway](#).

## Grid Order Management Enhancements

The latest enhancement to Grid Order Management enables you to enter grid orders for the following transactions:

- Transfer orders
- Inventory adjustment

Create grid templates that you can use when transferring inventory items between locations and when adjusting inventory count.

Aside from supporting more transactions, the following enhancements improve grid template creation and order entry:

- Quick processing of grid orders using large templates
- Creation of grid matrix templates in bulk
- Increase in the number of grid templates that can be supported

For grid printing, you can now use grid print templates to print matrix items in grid format. This is available in the following transactions and forms: estimate, cash sale, invoice, picking ticket, and packing list.

For more information about grid orders, see the help topic [Grid Order Management](#).

## Recurring Billing Enhancements

Recurring Billing version 16.1 includes the Subscription Billing Dashboard, a collection of portlets that displays Recurring Billing batch process data.

The Subscription Billing Dashboard provides an instant visual overview of the status of Recurring Billing batch process runs. The following portlets are available on the Subscription Billing Dashboard:

- Batch Process Manager - This portlet lets you update Batch Process Type records. You can update the batch size, set the scheduler queue, and set process script queues for the selected batch process.

- Batch Process Run Charts - This portlet lets you monitor the status of process queue batch run.
- Update Deployments - This portlet lets you update multiple deployment records for the selected process type.
- Script Runner - This portlet lets you run script deployments of Recurring Billing batch processes without going to the script deployment record.

Recurring Billing version 16.1 is available in accounts running NetSuite Version 2016 Release 1.

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

## Software Vertical Contract Renewals Enhancements

Software Vertical Contract Renewals version 16.1 includes the following features:

- [Contract Level Days Before Renewal](#)
- [Renew Now](#)
- [Contract Level Uplift](#)
- [Actual Item Price](#)

### Contract Level Days Before Renewal

This feature enables you to override the Days Before Renewal preference for specific contracts by setting a contract level days before renewal.

In the **Contract Days Before Renewal** field on contract records, you can specify the number of days before the contract's end date when a renewal transaction will be generated. The value in this field applies only to the contract where it is specified. If you enter a value, it overrides the Days Before Renewal global preference that sets the target renewal date for existing contracts.

For more information, see the help topic [Editing a Contract](#).

### Renew Now

This feature enables you to renew contracts on demand, without any dependency on the days before renewal setting.

In Contract Renewals version 16.1, you can generate a renewal transaction for a contract by clicking the **Renew Now** button on the contract record.

You can also renew contracts by bulk. On the Renew Now Batch Process page, you must specify a contract saved search that defines the list of contracts to be processed for bulk renewal.

For more information, see the help topic [Renewing a Contract](#).

## Contract Level Uplift

This feature enables you to override the percentage uplift specified on the customer record for specific contracts by specifying a contract level uplift.

In the **Contract Uplift** field on contract records, you can specify a percentage uplift that applies only to the specific contract.

For more information, see the help topic [Editing a Contract](#).

## Actual Item Price

Contract Renewals Version 16.1 includes a new option for the **Term/Contract Pricing Type** field on item records. Select **Actual Item Price** in the **Term/Contract Pricing Type** field to set the item price entered on the **Pricing** subtab as the actual rate for the item. If you select this option, the term will not be considered in the rate calculation for the item.

The value in the **Term/Contract Pricing Type** field determines how the rate will be calculated for an item. In previous versions, only the following contract pricing types are available: **Monthly**, **Annually**, and **Not Applicable**.

For more information, see the help topic [Setting Up Items for Contract Renewals](#).

## Electronic Invoicing

The Electronic Invoicing SuiteApp enables you to create electronic documents (e-documents) to help you comply with legal requirements in your country or to automate your order to cash process.

E-documents are generated from NetSuite sales transaction records using custom e-document templates that you create. A sample e-document template included in the SuiteApp.

The Electronic Invoicing SuiteApp enables you to generate and send e-documents to your customers individually or in batches. Email, web services, or other custom sending methods can be used for sending e-documents.

Before users can generate and send e-documents, an administrator must first create e-document standards and assign them to customer records. The administrator must also create e-document templates and sending methods and specify the transaction types supported. E-document templates and sending methods must then be assigned to e-document standards so that users can select them on transaction records.

The Electronic Invoicing SuiteApp enables you to track generated and sent e-documents through an audit trail on the **E-Document** subtab of a transaction record.

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

## Dunning Enhancements

The following enhancements are included in the latest version of the Dunning Letters SuiteApp:

- New Setup Preference that Enables the System to Exclude the Customer's Main Email Address When Sending Dunning Letters
- Ability to Disable the Minimum Dunning Interval
- Ability to Bulk Update Dunning Fields on Customer Records
- Support for Custom Roles for Dunning
- Changes to the Sample Dunning Letter Templates Included in the SuiteApp
  - Changes to the Overdue Balance Field
  - Two New Columns in the Transaction List
  - Changes to the Amount Remaining Column
- Phasing Out of XML-Based Templates for Dunning Email

### New Setup Preference that Enables the System to Exclude the Customer's Main Email Address When Sending Dunning Letters

Previously, dunning letters were also sent to the customer email address by default, even if dunning recipients were defined on the customer records. Now, if you do not want dunning letters to be sent to the customer email address, you can check the **Do Not Send Letters to Customer Email** box. However, if this box is checked, you must add contacts to the **Dunning Recipient** subtab. This new preference has been added to the **Setup** subtab under the **Dunning** subtab on the customer record.

If the **Do Not Send Letters to Customer Email** box is checked:

- Dunning letters will not be sent to the customer's main email address during automatic sending. Letters will be sent only to contacts specified on the **Dunning Recipient** subtab.
- The customer's main email address will not be included in the Dunning Email Sending Queue.

See the help topic [Defining Dunning Letter Recipients](#).

### Ability to Disable the Minimum Dunning Interval

You can check the **Disable Minimum Dunning Interval** box to disregard the value in the **Minimum Dunning Interval** field of a dunning procedure. If this box is checked, the system can send multiple dunning letters in a day to a single customer, if there is a change in the dunning level of a customer or invoice during dunning evaluation.

See the help topic [Creating Dunning Procedures](#).

### Ability to Bulk Update Dunning Fields on Customer Records

A Bulk Update Customer Records page is now available to enable you to change the values in the dunning fields on multiple customer records for a specified subsidiary. The bulk update feature applies the changes only to the records belonging to the selected subsidiary if the records are associated with dunning procedures. The following fields can be updated:

- Allow Letters to be Emailed
- Allow Letters to be Printed
- Do Not Send Letters to Customer Email

See the help topic [Bulk Updating Customer Records for Dunning](#).

### Support for Custom Roles for Dunning

Custom roles can now be given access to the dunning pages and records. If you add dunning permissions to a custom role, you must also select either Dunning Director or Dunning Manager in the **Dunning Role** field of the Role page.

See the help topic [Customizing Roles to Use the Dunning Features](#).

### Changes to the Sample Dunning Letter Templates Included in the SuiteApp

Following are the changes to the sample dunning letter template files that are included in the SuiteApp:

#### Changes to the Overdue Balance Field

Previously, the overdue balance was calculated by getting the total of the values in the **Amount Remaining** column, and was shown in the parent company's currency. In the latest version of the Dunning Letters SuiteApp, the overdue balance is sourced from the **Overdue Balance** field on the customer record, and is shown using the customer's primary currency.

See the help topic [Understanding Dunning Letter Templates](#).

#### Two New Columns in the Transaction List

- Invoice Currency
- Amount (Invoice Currency)

See the help topic [Understanding Dunning Letter Templates](#).



## Changes to the Amount Remaining Column

The **Amount Remaining** column is no longer included in the sample templates. However, you can still use it for your custom dunning letter templates. If this field is included in your custom templates, note that the value will now be shown in the subsidiary's currency. Previously, the **Amount Remaining** column was shown in the parent company's currency.

See the help topic [Understanding Dunning Letter Templates](#).

## Phasing Out of XML-Based Templates for Dunning Email

The use of XML-based dunning email templates is being phased out. Previously, only XML-based templates could be used for both PDF and email. Now, you will be able to use NetSuite email templates for creating dunning email templates. For PDF dunning letters, XML templates will still be used.

Existing XML-based templates in the file cabinet will not be deleted, and they can still be modified. Dunning template records that have existing template files on the **Dunning XML Email Template** subtab can still be used. However, adding new XML-based email templates on the dunning template record will no longer be permitted, and you cannot manually edit or remove the existing lines on the **Dunning XML Email Template** subtab. If you add NetSuite email templates to the **Dunning Email Template** subtab, saving the record automatically deletes all lines on the **Dunning XML Email Template** subtab.

**Note:** Before you edit your dunning template records, NetSuite recommends that you first create new dunning template records for testing your NetSuite email templates. After you have finished creating and testing your NetSuite email templates, you can edit your existing dunning template records.

In the latest version of the Dunning Letters SuiteApp, it is mandatory for dunning template records to have at least one template file each for the dunning PDF and the dunning email. When the SuiteApp was updated in your account, the system ran a script that ensured both subtabs have at least one template file. If a dunning template record did not have a PDF template file, the script copied the XML template on the **Email** subtab, and added it to the **PDF** subtab. If a dunning template record did not have an email template file, the system copied the XML template on the **PDF** subtab, and added it to the **Email** subtab.

You can still use your existing XML-based email templates. However, if you want to add new templates, you must create NetSuite email templates. To help you get you started with this transition, the latest version of the Dunning Letters SuiteApp includes consolidated files of the three sample dunning XML templates in the file cabinet. To access them, go to Documents > Files > File Cabinet > SuiteBundles > Bundle 62340 > Templates > Consolidated. You can copy the content from the sample files to create your email templates.

For more information, see the help topics [Creating Dunning Template Records](#) and [Creating Dunning Letter Email Templates](#).

## Czech Republic VAT Control Statement

The International Tax Reports SuiteApp introduces the Czech Republic VAT Control Statement, which enables you to generate a report that shows taxable transactions within a specific period. You can generate the VAT Control Statement as an XML file, which you can manually upload to the tax agency portal for online filing.

This feature introduces two tax reporting fields, **Code of Supply** and **Regime Code of Supply**. The **Code of Supply** field appears on an item record when you select a Czech Republic customer. The **Regime Code of Supply** field must be manually added during tax setup to appear on a customized transaction form.

To use this feature, you must first have the International Tax Reports SuiteApp installed in your NetSuite account.

For more information, see the help topic [Czech Republic VAT Control Statement](#).

## Slovak Republic VAT Ledger Statement

This feature enables you to generate the Slovak Republic VAT Ledger Statement, which is a report containing a detailed list of transactions that require the user to pay tax and input VAT deduction.

This report will provide details on:

- transactions carried out between customers and vendors, if considered as domestic supplies
- invoices issued
- VAT to be paid
- VAT to be entitled for deduction

This report must be submitted electronically every month as required by the government. You can generate the VAT Ledger Statement as an XML file, which can be manually uploaded to the tax agency portal for online filing.

To use this feature, you must first have the International Tax Reports SuiteApp installed in your NetSuite account.

## Fixed Asset Management Enhancements

Version 2016 Release 1 includes the following enhancements to the Fixed Assets Management SuiteApp:

- [Support for Compound Assets](#)

- [Bulk Disposal of Assets](#)
- [Bulk Disposal of Assets through CSV Import](#)
- [Additional Language Support](#)

## Support for Compound Assets

This feature lets you create a compound asset by attaching multiple components (child assets) to a parent asset. You can choose components that have the same asset type, accounting method, or subsidiary as the parent asset. The following FAM transactions are available for compound assets:

- **Compound Asset Depreciation** - Compound assets are depreciated together with its components. A depreciation history record will be generated for each component.
- **Compound Asset Revaluation** - You can specify how you want to apportion the value of each component asset for revaluation.
- **Compound Asset Disposal** - You can dispose compound assets in one of two ways. You can dispose the parent asset or only the component of the compound asset. Disposing the parent asset will also dispose all components attached to it.
- **Compound Asset Transfer** - You can transfer individual components only to another class, department, or location. Transfer to another subsidiary, accounting method, or asset type can be done when you transfer the compound asset. Transferring the compound asset will also transfer its components.
- **Compound Asset in FAM Reports** - You can choose to display the compound asset or the component asset in the asset register and depreciation schedule report.

For more information, see the help topic [Managing Assets](#).

## Bulk Disposal of Assets

The Asset Sale/Disposal page has been updated to let you process multiple assets for sale or write-off in one transaction. A sublist is added to the page where you can specify the assets that you want to dispose. The **Consolidate Line Items on Invoice** preference is also added to the page. This preference enables the system to consolidate or itemize the line items on the generated invoice.

For more information, see the help topic [Asset Disposal by Sale or Write-Off](#).

## 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

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

## NetSuite for Outlook Enhancements

The latest release of NetSuite for Outlook includes the following enhancements:

- **Support for Microsoft Outlook 2016 and Windows 10** – NetSuite for Outlook is now compatible with both the 32-bit and 64-bit versions of Microsoft Outlook 2016, and Windows 10.
- **Disable automatic update notifications** – You can now choose to disable automatic update notifications. Checking for updates is also available when you click the NetSuite

for Outlook button in Outlook, or by right-clicking the NetSuite for Outlook icon in the system tray.

- **Pause synchronization of records** – You can now pause synchronization and resume it at a later time. This option can be found by right-clicking the NetSuite for Outlook icon in the system tray.
- **Send email with zip file attachments to Support** – Users with an NSCORP role can now send an email with zip file attachments to Support.

## Last Sales Activity Enhancements

The latest release of the Last Sales Activity SuiteApp includes the following enhancements:

- **Activity Duration Filter** – The Activity Duration Filter (Days) is added to the Set Preferences menu for Last Sales Activity. This filter lets you specify the number of days to filter the activities processed when updating Last Sales Activity. For example, if you want to process only the entities with activities created or modified within the past week, you can set the field to 7. To process activities within the past month, you can set the field to 30. This field is set to 7 (days) by default. If you want to process all activities, you can leave the field blank.
- **Manually Update LSA Value on Records** – The **Update LSA** button is added on record pages to enable you to manually update the Last Sales Activity value on the record. The **Enable LSA Manual Update** setting is also added to the Set Preferences menu. This enables you to show or hide the **Update LSA** button on record pages.

## 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 10<sup>th</sup> 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](#).

## 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 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 will be 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.

## Automatic Chargeback 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.

The NetSuite Chargeback Workflow SuiteApp will be available as a managed bundle from the end of June 2016.

For more information, see the help topic [Chargeback Workflow](#).