

Version 2011 Release 1 Release Notes for SuiteTalk (Web Services)

Revision Date: November 14, 2011

This document summarizes the changes to SuiteTalk (Web Services) between Version 2011 Release 1 and the previous release.

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

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SuiteTalk (Web Services) Integration	upsert and upsertList Operations added, SuiteCloud Plus Support for Ten Concurrent Sessions, New Date/Time Custom Field Type Supported in Web Services, Enhancements to Web Services Support for Currency Fields, Employee Payroll Sublists Supported in Web Services, Fields Exposed to Support Demand Planning, Pricing Group Record Supported in Web Services, Vendor Fields Exposed for Assembly/BOM Items, Translation Fields Exposed for Site Categories, Line Element Added to Transaction Sublists, Enhancement to Require Password Change Field, Updates to Country Enumerations, Third Address Field Exposed for Transactions, PHP Toolkit No Longer in Beta, 2011.1 WSDL Now Generally Available, Araxis Merge Diff File for the 2011.1 Endpoint, 2011.1 Schema Browser

SuiteTalk (Web Services) Integration

Refer to the following sections for details on all SuiteTalk Web services updates for Version 2011 Release 1:

- [upsert and upsertList Operations added](#)
- [SuiteCloud Plus Support for Ten Concurrent Sessions](#)
- [New Date/Time Custom Field Type Supported in Web Services](#)
- [Enhancements to Web Services Support for Currency Fields](#)
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- Line Element Added to Transaction Sublists
- Enhancement to Require Password Change Field
- Updates to Country Enumerations
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- PHP Toolkit No Longer in Beta
- 2011.1 WSDL Now Generally Available
- Araxis Merge Diff File for the 2011.1 Endpoint
- 2011.1 Schema Browser

upsert and upsertList Operations added

In the 2011.1 endpoint, the new upsert and upsertList operations add or update records in NetSuite without needing to determine first whether records already exist in NetSuite. These operations identify records by external ID and record type. If a record of the specified type with a matching external ID exists in NetSuite, it is updated. If it does not exist, a new record is created.

These operations make it unnecessary for clients to look up whether records exist in NetSuite before calling either add or update. The use of upsert and upsertList can make Web services data imports into NetSuite more efficient, lessening the burden on integrated applications and on NetSuite servers.

External ID is mandatory for upsert and upsertList. These operations are supported only for records that support the external ID field. Also, upsert and upsertList prohibit the passing of internal ID values.

SuiteCloud Plus Support for Ten Concurrent Sessions

Previously, the SuiteCloud Plus license allowed one designated user to create up to five concurrent Web services sessions. As of Version 2011 Release 1, this limit has been increased to ten sessions. This change is independent of WSDL version and applies to all endpoints.

New Date/Time Custom Field Type Supported in Web Services

The 2011.1 endpoint supports the creation and customization of the new Date/Time custom field type, and the getting and setting of values for fields of this type. Fields of this type are represented in SuiteTalk by [DateCustomFieldRef](#). Field values use the xsd:datetime schema type. SuiteTalk reads entered values to the second.

For general information on this field type, see [New Date/Time Field Type](#) in SuiteBuilder portion of the Release Notes.

Enhancements to Web Services Support for Currency Fields

Web services currency amount fields now support values with up to 15 digits, including 2 decimal places. Also, currency exchange rate field values are now tracked to a precision of up to 15 decimal places.

Employee Payroll Sublists Supported in Web Services

The 2011.1 endpoint supports the following Employee record sublists. These sublists are applicable when the Payroll feature is enabled.

Sublist	Sublist Key	Related Subtab on Employee Page
accruedTimeList	payrollitem	Payroll - Accrued Time
companyContributionList	payrollitem	Payroll - Company Contributions
deductionList	payrollitem	Payroll - Deductions
directDepositList	internalid	ACH/Direct Deposit (when Direct Deposit feature enabled)
earningList	payrollitem	Payroll - Earnings

Fields Exposed to Support Demand Planning

The 2011.1 endpoint exposes the following new fields to support the [Demand Planning](#) feature:

Record(s)	Newly Exposed Field(s)
Assembly Items	Purchase Units, Sale Units, Stock Units, Units Type
Estimates, Opportunities, Sales Orders	Expected Ship Date on line items
Purchase Orders	Expected Receipt Date on line items
Transfer Orders	Expected Ship Date, Expected Receipt Date on line items

Pricing Group Record Supported in Web Services

The 2011.1 endpoint supports the Pricing Group record.

Vendor Fields Exposed for Assembly/BOM Items

The 2011.1 endpoint supports the vendorName and purchaseDescription fields for AssemblyItem, SerializedAssemblyItem, and LotNumberedAssemblyItem.

These additions support the use of vendor data for assembly/BOM items when the Allow Purchase of Assembly Items preference is enabled at Setup > Accounting > Accounting Lists, on the Items/Transactions subtab.

Translation Fields Exposed for Site Categories

The 2011.1 endpoint supports the translationsList for SiteCategory. This list includes the fields on the Translation subtab of the Presentation Tab page, Lists > Web Site > Categories in the UI.

Line Element Added to Transaction Sublists

The 2011.1 endpoint adds the **line** element to the following transaction record sublists:

- CashSaleTime
- CustomerDepositApply
- CustomerPaymentApply, CustomerPaymentCredit, CustomerPaymentDeposit
- CustomerRefundApply, CustomerRefundDeposit
- DepositApplicationApply
- InvoiceTime
- VendorPaymentApply, VendorPaymentCredit

The line element prevents problems with record creation due to duplicate keys. You can use the line element to uniquely identify a sublist entry when the **doc** element is not sufficient. For example, you can use {doc, line} on the VendorPaymentApply sublist to identify the vendor bill line to which a payment should be applied. Use the initialize operation to obtain the doc and line values from the vendor bill.

Warning: In the 2011.1 endpoint, if you do not provide a value for the line element for an entry to one of the above sublists, you may receive the error: "Ambiguous sublist reference; multiple matches exist for key value <doc>". Earlier endpoints do not return this error.

Enhancement to Require Password Change Field

In the 2011.1 endpoint, the requirepwdchange field on Employee, Partner, and Vendor records applies to existing users as well as new users. The functionality of this field has changed so that it requires a password change on the user's next login to NetSuite after the field value has been set to true, instead of on the user's first login only. Once the user has changed the password, the field value is reset to false, and can be subsequently reset to true to require another password change.

For more details, see [Support for Requiring Password Changes for Existing Users](#) in the Release Notes.

Updates to Country Enumerations

The 2011.1 endpoint adds the following Web services country enumerations:

Country	Web Services Enumeration	Country Code
Aland Islands	_alandIslands	AX
Canary Islands	_canaryIslands	IC
Ceuta and Melilla	_ceutaAndMelilla	EA
Saint Barthelemy	_saintBarthelemy	BL
Saint Martin	_saintMartin	MF

The 2011.1 endpoint removes the following enumeration:

Country	Web Services Enumeration	Country Code
Yugoslavia	_yugoslavia	YU

The 2011.1 endpoint changes the following enumerations:

Country	Old WS Enumeration	New WS Enumeration	Country Code
Cape Verde	_capVerde	_capeVerde	CV
Falkland Islands (Malvina)	_falklandIslandsMalvina	_falklandIslands	FK
Saint Helena	_stHelena	_saintHelena	SH
Samoa (formerly Western Samo)	_westernSamoa	_samoa	WS

Third Address Field Exposed for Transactions

The 2011.1 endpoint exposes a third address field for the shipAddress and billAddress objects on transactions, shipAddr3 and billAddr3.

PHP Toolkit No Longer in Beta

The PHP Toolkit for Web services is no longer considered to be a beta version.

2011.1 WSDL Now Generally Available

A new version of SuiteTalk is available with Version 2011 Release 1. Click [here](#) to view the v2011.1 WSDL. The 2011.1 WSDL is now generally available (GA).

Araxis Merge Diff File for the 2011.1 Endpoint

The [Araxis Merge 2011.1 Diff file](#) highlights all 2010.2 - 2011.1 schema changes.

Depending on the scope of the release, these changes may include:

- New record types
- Elements (fields) that have been added, removed or changed since 2010.2
- 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 schema changes related to any specific endpoint.

The SuiteTalk diff file is generated using Araxis Merge. The following figure shows an Araxis Merge Comparison Report, which is a summary page that highlights all schemas that have been modified for a release. Diff files that are attached to NetSuite Release Notes will always open to the summary page.

Schemas that are highlighted in blue have been modified. Click individual schema links or a Report link to see all changes to a particular schema.

This column represents the previous endpoint.

This column represents the newest endpoint.

Click the Report links to see the differences.

This column represents the previous endpoint.	This column represents the newest endpoint.	Click the Report links to see the differences.
activities.scheduling.xsd	5 activities.scheduling.xsd	Report 1
activities.schedulingTypes.xsd	0 activities.schedulingTypes.xsd	
documents.fileCabinet.xsd	4 documents.fileCabinet.xsd	Report 2
documents.fileCabinetTypes.xsd	0 documents.fileCabinetTypes.xsd	
general.communication.xsd	2 general.communication.xsd	Report 3
general.communicationTypes.xsd	0 general.communicationTypes.xsd	
lists.accounting.xsd	118 lists.accounting.xsd	Report 4
lists.accountingTypes.xsd	1 lists.accountingTypes.xsd	Report 5
lists.employees.xsd	5 lists.employees.xsd	Report 6
lists.employeeTypes.xsd	0 lists.employeeTypes.xsd	

The following figure shows a snapshot of **documents.fileCabinet.xsd**. The elements highlighted in green are the changed elements. This figure shows:

- The **mediaFile** element has been added to the new endpoint.
- The **isFeatured** element that existed in the previous endpoint been deprecated in the new endpoint.

This column represents the previous endpoint.

This column represents the newest endpoint.

<element name="url" type="xsd:string" minOccurs="0"/>	18	<element name="url" type="xsd:string" minOccurs="0"/>	
<element name="description" type="xsd:string" minOccurs="0"/>	19	<element name="mediaFile" type="platformCore:RecordRef" minOccurs="0"/>	
<element name="encoding" type="docFileCabTyp:FileEncoding" minOccurs="0"/>	20	<element name="description" type="xsd:string" minOccurs="0"/>	
<element name="altTagCaption" type="xsd:string" minOccurs="0"/>	21	<element name="encoding" type="docFileCabTyp:FileEncoding" minOccurs="0"/>	
<element name="isOnline" type="xsd:boolean" minOccurs="0"/>	22	<element name="altTagCaption" type="xsd:string" minOccurs="0"/>	
<element name="isInactive" type="xsd:boolean" minOccurs="0"/>	23	<element name="isOnline" type="xsd:boolean" minOccurs="0"/>	
<element name="class" type="xsd:string" minOccurs="0"/>	24	<element name="isInactive" type="xsd:boolean" minOccurs="0"/>	
<element name="department" type="xsd:string" minOccurs="0"/>	25	<element name="class" type="xsd:string" minOccurs="0"/>	
<element name="hideInBundle" type="xsd:boolean" minOccurs="0"/>	26	<element name="department" type="xsd:string" minOccurs="0"/>	
<element name="isPrivate" type="xsd:boolean" minOccurs="0"/>	27	<element name="hideInBundle" type="xsd:boolean" minOccurs="0"/>	
<element name="owner" type="platformCore:RecordRef" minOccurs="0"/>	28	<element name="isPrivate" type="xsd:boolean" minOccurs="0"/>	
<element name="caption" type="xsd:string" minOccurs="0"/>	29	<element name="owner" type="platformCore:RecordRef" minOccurs="0"/>	
<element name="storeDisplayThumbnail" type="platformCore:RecordRef" minOccurs="0"/>	30	<element name="caption" type="xsd:string" minOccurs="0"/>	
<element name="siteDescription" type="xsd:string" minOccurs="0"/>	31	<element name="storeDisplayThumbnail" type="platformCore:RecordRef" minOccurs="0"/>	
<element name="isFeatured" type="xsd:boolean" minOccurs="0"/>	32	<element name="siteDescription" type="xsd:string" minOccurs="0"/>	
<element name="featuredDescription" type="xsd:string" minOccurs="0"/>	33	<element name="featuredDescription" type="xsd:string" minOccurs="0"/>	
<element name="lastModifiedDate" type="xsd:dateTime" minOccurs="0"/>	34	<element name="lastModifiedDate" type="xsd:dateTime" minOccurs="0"/>	

The Araxis Merge 2010.2 Diff file also includes data type changes. The following is a snapshot of **activities.scheduling.xsd**. This figure shows:

- The data types for the **estimatedTime**, **estimatedTimeOverride**, **actualTime**, and **timeRemaining** elements have changed from **dateTime** to **Duration**.

2011.1 Schema Browser

The 2011.1 version of the SuiteTalk Schema Browser has been generated and is available [here](#). You can also access the 2011.1 Schema Browser by:

- Clicking links to the Schema Browser that are provided with each record in the *SuiteTalk (Web Services) Records Guide*
- Opening the Help Center and navigating to SuiteFlex (Customization, Scripting, and WebServices) > SuiteTalk (Web Services) > SuiteTalk Schema Browser Version 2011.1. The link to the Schema Browser appears in the main Help window.