Four51 Admin Web Services Implementation Guide

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Abstract

This implementation guide details the Four51 functionality for SOAP-based web service requests to be sent to Four51, allowing for the updating/creation of data for entities such as products, users, addresses, and more.

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Introduction

For getting data back in to Four51 and automating common seller/administrator tasks, Four51 has created a suite of SOAP-based web services that can be used. The most commonly used is the Product UpdateInventory method, which allows inventory values from your back-office system (acting as the master record) to be pushed out to Four51. There are however roughly two dozen other methods that can also be used if they add value to your integration.

Overview

The following methods all have a WSDL (Web Service Definition Language) that explain the format/syntax of the SOAP requests that need to be made. Nearly all of these methods require Interop IDs to be set on the target objects on Four51. Interop IDs are not enforced to be unique on Four51, however they should represent unique identifying information for the same objects on your back-office system.

Detailed Specifications

Address

WSDL URL: http://www.four51.com/services/Address.asmx
Methods:

- **Delete** - Allows the ability to delete an address based on the address interop id. (multiple per call)
- **Save** - Allows the ability to create and update an address based on the address interop id. If the interop id exists, then the address will be updated. (multiple per call)

Category

WSDL URL: http://www.four51.com/services/Category.asmx
Methods:

- **Delete** – Allows the ability to delete a category. (multiple per call)
- **GenerateMissingCategoryInteropIDs** – Allows the ability to have Four51 generate the interop id for categories that do not have an interop is on a per buyer company basis.
- **ListCategoryByCompany** – Allows the ability to retrieve category property data on a per buyer company basis.
- **Save** – Allows the ability to save and update categories based on the category interop id. If a category exists with that interop id across the seller, then the category will be updated. NOTE: Category interop ids must be unique across the whole seller account, not just unique in the buyer company.

Cost Center

WSDL URL: http://www.four51.com/services/CostCenter.asmx
Methods:

- **Delete** - Allows the ability to delete a cost center based on the cost center interop id. (multiple per call)

- **Save** - Allows the ability to create and update a cost center based on the cost center interop id. If the interop id exists, then the cost center will be updated. (multiple per call)

Custom Order Field

WSDL URL: http://www.four51.com/services/OrderField.asmx
Methods:

- **Delete** - Allows a custom order field to be deleted based on the order field name. (multiple per call)
- **DeleteOptions** - Allows the ability to delete options of a custom order field based on the custom order field and the interop id of the option. (multiple per call)
- **Save** - Allows the ability to create and update a custom order field based on the order field name. Supports the creation of options of an order field as well. (multiple per call)
- **SaveOptions** - Allows the ability to create and update an option of a custom order field based on the order field name and the option interop id. If the interop id exists, the option will be updated. (multiple per call)

Group

WSDL URL: http://www.four51.com/services/Group.asmx
Methods:

- **AssignAddress** - Allows the ability to assign an address to a group as shipping and/or a billing address.
- **Delete** – Deletes a group (and all associations the group had). This can fail if the group is assigned to a spending account or is the basis for an approval rule that has pending approvals.
- **Save** – Creates or updates a group. IsReportingGroup defaults to 'True' which means that the group is excluded from order reporting. Description is an optional field, however if the group already exists and has a description, and this field is left blank, the original description will be overwritten.

Order

WSDL URL: http://www.four51.com/services/Order.asmx
Methods:

- **CancelOrder** – Allows the ability to mark an order as canceled based on the order payload id that is present in the cXML Order Request.
- **ForwardLineItems** – Allows the ability to create a Purchase Order to a supplier and add line items from incoming orders from buyers.

Party

WSDL URL: http://www.four51.com/services/Party.asmx
Methods:

- **AssignPartyToCategory** - Allows the ability to assign a category to a company/group/user. (multiple per call)

Product

WSDL URL: http://www.four51.com/services/Product.asmx
Methods:

- **DeletePriceSchedule** - Allows the ability to delete a price schedule based on the price schedule name and product interop id. (multiple per call)
- **DeleteProduct** - Allows the ability to delete a product based on the product interop id. (multiple per call)
- **DeleteVariants** - Allows the ability delete variants of a product by sending the product interop id and the variant interop id. (multiple per call)
- **SavePriceScheduleAssignments** - Allows the ability to save a price schedule of a product to a party (company, group, or user). An assignment can be made to a product or variant and supports all order types for price schedules. (multiple per call)
- **SavePriceSchedules** - Allows the ability to save price schedules and the price break(s) for that price schedule based on the product interop id and price schedule name. If the price schedule name already exists, then the price schedule will be updated. This method would be used to update pricing. (multiple per call)
- **SaveProducts** - Allows the ability to create and update products based on the product interop id. This only includes the product properties. (multiple per call)
- **SaveVariants** - Allows the ability to create and update variants of a product based on the product interop id and variant interop id. This only includes the variant properties. (multiple per call)
- **UpdateProductInventory** - Allows the ability to update the available inventory value for a product that already has inventory enabled and configured. Supports for product and variant level inventory. (multiple per call)
- **DeleteCategoryAssignments** – Allows the ability to delete product to category assignments. (multiple per call)
- **GenerateMissingInteropIDs** – Allows the ability to have Four51 generate the interop id for products that do not have an interop id set. This is at a seller level, so it would look at all products under a seller account.
- **GenerateMissingVariantInteropIDs** - Allows the ability to have Four51 generate the interop id for variants that do not have an interop id set on a per product basis. (multiple products per call)
- **SaveCategoryAssignments** – Allows the ability to assign a product to a category. (multiple per call)
- **SearchVariantsByProduct** – Allows the ability to retrieve variant property data on a per product basis. (multiple products per call)
- **ListProducts –** WARNING: This method is not available for use.

Project File

WSDL URL: N/A

Provides the ability to create and update files within an existing project.

Spending Accounts

WSDL URL: http://www.four51.com/services/SpendingAccount.asmx
Methods:

- **AddToBalance** - Allows the ability to add a provided value to an existing Spending Account. (one per call)
- **Delete** – Deletes a Spending Account (and all associations the Spending Account had).
- **Save** – Creates or updates a Spending Account. Name, Label, SpendingAccountTypeName, Balance, and one of the following: CompanyInteropID, UserInteropID, or GroupInteropID are all required fields.

User

WSDL URL: http://www.four51.com/services/User.asmx
Methods:

- **AssignAddress** - Allows the ability to assign a user to an address based on the user interop id and address interop id. An address can be assigned to a user as a shipping and/or billing address. (one per call)
- **AssignCostCenter** - Allows the ability to assign a user to a cost center based on the user interop id and cost center interop id. (one per call)

- **AssignToGroup** - Allows the ability to assign a user to a group based on the user interop id and group interop id (one per call). This does not take Buyer interop ID as a parameter, so all User and Group interop IDs need to be unique throughout the entire seller site.
- **RemoveFromGroup** – Removes the association between the specified user and group.
- **Delete** - Allows the ability to delete a user based on the user interop id. (multiple per call)
- **GenerateMissingInteropIDs** – Allows the ability to have Four51 generate the interop id for all users that do not have an interop id set on a per buyer company basis.
- **ListByCompany** – Allows the ability to retrieve user property data on a per buyer company basis.
- **Save** - Allows the ability to save and update a user based on the user interop id. If the user interop id exists, then the user will be updated. This applies to user properties only. (multiple per call)
- **SyncAssociations** - Allows the ability to sync associations between a user and addresses, cost centers, groups, and order fields and order field options based on the interop ids. If you do not want to sync for instance cost centers, then you would not pass the cost center element structure. If you want to remove all assignments for a particular data point like groups, pass the groups element structure and pass no value in the string element. (multiple per call)

Troubleshooting and Support

Common Errors

Boolean values must always be sent as lower-case strings.

Seller Support

Questions can be submitted to Four51 by submitting a case in the Four51 Customer Resource Center. This can be accessed through the knowledgebase as follows:

- Logon to your admin interface on Four51 (http://www.four51.com/ui/logon.aspx)
- Select 'Help' in the upper right corner
- Click on 'Knowledgebase'

Please check the knowledge base first, as your question may have already been posted there. If you need additional help, the please select one of the following links:

- Click on the 'Submit A Case Here' link in the lower right-hand side of the panel; or
- Click on 'Click Here To Submit A Case' on the home page of the knowledgebase

Buyer Support

Please route all questions and issues through your Seller. Communication through e-mail or phone is possible, but this allows the Seller to be aware of all issues, and establishes a standard support process.

References

No additional references for this topic.