

Multipub API's

Table of Contents

Multipub API's.....	1
Overview.....	2
EComm REST API's.....	2
New Customer.....	2
Customer Update.....	2
Order Processing.....	3
Payments.....	3
Login.....	3
Prices.....	4
Dynamic Query.....	4

Overview

Following is a list of the Multipub API's that are available via the Mult-e-commerce module. All API's submit and retrieve data from the Mult-e-commerce database. This data is kept up-to-date with activity from the Multipub database via Replication, which runs continuously. Nearly all subscriber and order fields are included with the API's; other fields can be added upon request.

To include fields, use the following syntax: include:comma delimited list of field names. Eg: for an order object - include:samt,pamt includes the sales amount and payment amount.

To exclude fields, use the following syntax: exclude:comma delimited list of field names. Eg: for an order object - exclude:samt,pamt returns all fields on the order record excluding the sales amount and payment amount.

Complete API documentation is available for customers who have purchased the Mult-e-commerce module.

EComm REST API's

- All Ecomm REST API's return XML data as a response. All of the APIs typically return subscriber name and address information as well as the latest order information for each product a subscriber has ordered.
 - Data may be filtered so only selected fields are returned. The data may be filtered by using "include" lists which specify which fields to return or by "exclude" lists which specify which fields to exclude.
- Confirmation numbers are returned by all but the "Login" API. These confirmation numbers may be given to the customers as references.
- Error numbers are returned as part of the XML response for all of the APIs.

New Customer

The New Customer API adds new subscribers to the Mult-e-commerce database. The API may be called with the following methods or functions.

- Validate: The data is validated without being committed to the database. If there are errors, error numbers are returned.
- New Customer: The new customer function has the same function as the validate function. If there are no errors the new customer data is committed.
- New BillTo: This function creates a new Billto in the Multipub database
- Validate Billto: The Billto data is validated without being committed to the database
- Add New Site License user: This adds a user as a member of a Site License

Customer Update (Subscriber Update)

The Customer Update API updates subscribers and Bill-to's in the Mult-e-commerce database. The API may be called with the following methods or functions.

- Validate: The data is validated without being committed to the database. If there are errors, error numbers are returned.
- Registration Update: Update subscriber registration fields including user-id and password.
- Name and address Update: Updates subscriber names and addresses as well as demographic information.
- Billto Update: Updates Billto name and address fields.
- Validate Billto information: The data is validated without being committed to the database.
- Update email address:
- Delete user from site license: An existing subscriber may be deleted from a site license

- Update order demographics: Order demographics for specified products are updated for the subscriber. This updates the order demographics on all active orders for the given product.
- Add existing subscriber to a site license:

Order Processing

- New/Renewal Order: New and renewal orders may be submitted from the API. These orders may contain multiple products.
 - Order demographics may be submitted
 - Demo card data may be submitted
 - New subscribers may be added with the order
 - Address and demographic changes to existing subscribers may be also be submitted with the order.
- Validate New/Renewal Orders: New and renewal orders are validated without being committed to the database. Error messages are returned.
- Price Orders: Orders may be submitted for pricing. The following fields may be calculated
 - Sales Amounts
 - Discounts
 - Postage
 - Sales Tax
- Site Licenses: Orders may be submitted as part of a Site License.
- Qualification Demographics: Circulation Audit Bureau controlled circulation demographics may be updated on existing orders.
- Order Demographics and Premiums : Updates to existing orders may be submitted via EComm
 - Order demographics may be updated on existing orders.
 - Demo Card data may be added to existing orders.
 - Premiums may be added to the orders.
- Order Cancellation: Controlled and Comp orders may be cancelled via the API. Orders with sales amounts, even if paid must be cancelled via the Multipub client.

Payments

- Validate: The data is validated without being committed to the database. If there are errors, error numbers are returned. A confirmation number which may be given to the customer as a reference is assigned.
- Payment Only: Payments to an order may be submitted for either an order identified by Multipub Order #, or by invoice identified by Multipub Invoice #
- Address Change: Address changes may be processed with a payment.

Login

The Login Module is used to validate a user's login information and is also used to return name, address, and order data when used in a query mode.

- Login: Customers may log in via user-id, email address, or customer number/zip code. Passwords are validated.
 - if the customer logs in with a user-id or email address, the password must be correct.
 - If the customer logs in with a Subs #, the zip code entered must match the zip on file for the sub.
- Query: Returns information without requiring the user to log in. Passwords are not validated. The same output is returned in as in the "login" option.

Prices

The Pricing Module returns the prices for a specified product or group of product identified by Multipub Product Type. A Multipub Rate code may be passed in as a parameter and if submitted returns the pricing for the specified Rate Code. If a Rate code is not passed in as a parameter the pricing for the product's default Rate code is returned. The prices include:

- The price for a "one off product"
- The price per subscription term for a subscription product
- Any volume discounts associated with the Rate Code

Dynamic Query

A dynamic query web service is available to provide the ability to query any table and any field in the Multi-e-commerce database. The structure of the query is as follows:

Fields - Space-delimited list of fields to return

Group - Field to group by

Q - The query string

Skip - The number of results to skip, the default is 0.

Sort - The field and direction to sort separated by a space (%20). The direction is optional and defaults to ascending.

Take - The maximum number of results returned. The default is 20.

The query string is a url-encoded sql where statement like "subsnum=1027" which would be encoded as "subsnum%3D1027". The full url would be:

<http://web.yourdomain.com:8080/mpwebdemo/ecommerce/objects/esubs?q=subsnum%3D1027>.

To get the schema of the object omit the query:

<http://web.yourdomain.com:8080/mpwebdemo/ecommerce/objects/esubs>

To query all records send a query string containing an asterisk:

http://web.yourdomain.com:8080/mpwebdemo/ecommerce/objects/esubs?q=*

Results are by default in XML but the service can also respond with JSON when requested in the Accept header.