

# SAS® 360 Match

## *XML REST APIs*

THIS DOCUMENTATION IS PROVIDED BY SAS INSTITUTE INC. ON AN "AS IS" BASIS WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE. The company does not warrant that this documentation is complete, accurate, similar to that which may be released to the general public, or that any such documentation will be released. The company shall not be liable whatsoever for any damages arising out of the use of this documentation, including any direct, indirect, or consequential damages. The company reserves the right to alter or abandon use of this documentation at any time.

*Updated Nov. 8, 2023*



# Table of Contents

<b>General Instructions</b> .....	<b>1</b>
<i>Authentication</i> .....	1
<i>How to specify you want the XML API</i> .....	1
<i>Standard Responses</i> .....	2
<i>XML REST API: Rules For Nesting Items</i> .....	2
<i>XML REST API: Filtering</i> .....	4
<i>XML REST API: Rate Limiting</i> .....	6
<b>Trafficking</b> .....	<b>7</b>
<i>XML REST API: Advertisers</i> .....	7
<i>XML REST API: Areas</i> .....	13
<i>XML REST API: Campaigns</i> .....	17
<i>XML REST API: Flights &amp; Flight Creatives</i> .....	47
<i>XML REST API: Creatives</i> .....	48
<i>XML REST API: Creative Formats</i> .....	57
<i>XML REST API: Format Templates</i> .....	69
<i>JSON REST API: Events</i> .....	73
<i>XML REST API: Exposure Policies</i> .....	76
<i>XML REST API: Media</i> .....	79
<i>XML REST API: Advertiser Creative Template</i> .....	82
<i>XML REST API: Sites</i> .....	88
<i>XML &amp; JSON REST APIs: Tag Reserved Names, Tags, Tag Values, Geo Tags, Geo Tag Values &amp; Tag Groups</i> .....	89
<i>XML REST API: Tag Values &amp; Tag Value Aliases</i> .....	108
<i>XML REST API: Targets</i> .....	114
<i>XML REST API: Tiers</i> .....	118
<i>XML REST API: Supertags</i> .....	121
<i>XML REST API: Labels</i> .....	124
<i>JSON REST API: Connectors &amp; Endpoints</i> .....	126
<i>Connectors</i> .....	126
<i>Endpoints</i> .....	128
<i>XML REST API: Placements</i> .....	131

<b>Sales</b> .....	<b>139</b>
XML REST API: Check Availability .....	139
XML REST API: Products .....	142
XML REST API: RFPs .....	154
XML REST API: Proposals .....	171
XML REST API: Terms and Conditions .....	206
<b>Admin</b> .....	<b>209</b>
XML REST API: Currencies .....	209
XML REST API: Roles & Permissions .....	210
XML REST APIs: Scaling Events .....	221
XML REST APIs: Peak Capacities .....	223
XML REST API: Teams .....	225
XML REST API: Users .....	235
<b>Report</b> .....	<b>242</b>
Report Parameters .....	242
Run Reports .....	244
<b>Data Access</b> .....	<b>247</b>
XML REST API: Data Access .....	247
XML REST API: Userreg .....	251

# General Instructions

## Authentication

There are 3 ways you can authenticate your API requests:

### 1. URL Parameter

First get your API Key from your [account](#) page.

Then just add `?api_key=<API_KEY>` to the end of the API URL that you are requesting.

```
https://beta.aimatch.com/advertisers.xml?api_key=API_KEY
```

### 2. Basic Auth with login credentials

For this method you use your login credentials (login and password) in a standard [Basic HTTP authentication](#) header.

```
Authorization: Basic dGVzdDpwYXNz
```

### 3. Basic Auth with API Key

For this method you use your API Key in a standard Basic HTTP authentication header. In this instance the password used in the authentication should be blank.

```
Authorization: Basic dHY4NXJCY1VvRGVGYkQwWTE2ZTE6
```

## How to specify you want the XML API

The URLs for the API follow very standard REST conventions and is the same URL structure used to access the HTML interface. The only difference is you need to tell the server you want to access the XML data.

The first way you can do this is by adding ".xml" onto the URL and this is what we do through out the documentation.

The other way is to add an "Accept" HTTP Header of "application/xml" to your request.

```
Accept: application/xml
```

Finally, if you are creating or updating an entity, you will be submitting XML content in the body of your request. You should always make sure you set the "Content-Type" header to "application/xml" in these cases.

```
Content-Type: application/xml
```

# Standard Responses

## Errors on Create and Update API Calls

Will come back with a status code of 422 and the XML structured like this:

```
<errors>
  <error>Name has already been taken</error>
</errors>
```

## Conflicts

If you try to update an existing record and the lock version is out of date with the current lock version then this will return a 409 status code with no content. To resolve this, you can remove the **<lock-version>** element in the request and then try again.

## XML REST API: Rules For Nesting Items

### Creating nested items with other items in a single request

To create an item with nested items, areas associated with sites for example, the nested item(s) are specified by the nested item name, either singular, or plural, depending on the relationship, followed by a dash and then the word "attributes".

The attribute `type` with value `array` informs the server to process child elements as an array. This is used when more than one item could be related to another, such as many sites for one area.

Example: Area has\_many sites

```
<?xml version="1.0" encoding="UTF-8"?>
<area>
  <name>new_area</name>
  <sites-attributes type="array">
    <site>
      <description>Example of a site nested in an area</description>
      <name>new_area_first_site</name>
      <revenue-cut type="decimal">3.25</revenue-cut>
    </site>
    <site>
      <description nil="true"></description>
      <name>new_area_second_site</name>
      <revenue-cut type="decimal">7.25</revenue-cut>
    </site>
    <site>
      <description nil="true"></description>
      <name>new_area_third_site</name>
      <revenue-cut type="decimal">5.25</revenue-cut>
    </site>
  </sites-attributes>
</area>
```

Example: Flight has\_many targets, has\_many flight\_creatives(plural). Flight\_creatives however, have one target

```
<?xml version="1.0" encoding="UTF-8"?>
<flight>
  <campaign-id>1</campaign-id>
  <name>new_flight</name>
  <targets-attributes type="array">
    <target>
      ...
    </target>
  </targets-attributes>
  <flight-creatives-attributes type="array">
    <flight-creative>
      <creative-id>1</creative-id>
      ...
      <target-attributes>
        ...
      </target-attributes>
    </flight-creative>
  </flight-creatives-attributes>
  ...
</flight>
```

## Updating nested items with an item in a single request

When updating an item with nested items, the nested item's id must be present or an attempt to create a new item will be made.

Example: Updating an Area and its sites as well as creating a new site that will also be associated with the area.

PUT: <https://beta.aimatch.com/areas/1.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<area>
  <name>updated_area</name>
  <sites-attributes type="array">
    <site>
      <id type="integer">1</id>
      <description>Example of a site nested in an area updated</description>
      <name>updated_area_first_site</name>
      <revenue-cut type="decimal">5.25</revenue-cut>
    </site>
    <site>
      <id type="integer">2</id>
      <name>updated_area_second_site</name>
      <revenue-cut type="decimal">10.25</revenue-cut>
    </site>
    <site>
      <id type="integer">3</id>
      <description nil="true"></description>
      <name>updated_area_third_site</name>
      <revenue-cut type="decimal">6.25</revenue-cut>
    </site>
  </sites-attributes>
</area>
```

```
</site>
<site>
  <description nil="true">new fourth site for area 1</description>
  <name>updated_area_fourth_site</name>
  <revenue-cut type="decimal">2.0</revenue-cut>
</site>
</sites-attributes>
</area>
```

## XML REST API: Filtering

### Filters

A filter can be created in this form: `attribute_predicate`. The `attribute` is either an entity's attribute or its association's attribute. The `predicate` could be `equals`, `like`, or `lte` and etc. See below for all supported predicates. Example: A Campaign has a `name` attribute and it belongs to an Advertiser which also has a `name` attribute. These are valid filters to search on Campaigns: `name_like`, `advertiser_name_equals`.

### URL search parameter

The search parameter in the URL can be specified as: `search[filter]=value`

The sorting parameter in the URL can be specified as: `meta_sort=attribute [asc|desc]`

As an example:

```
search[advertiser_name_equals]=My Advertiser&search[start_date_lte]=2020-01-01&meta_sort=name desc
```

### Predicates

#### `equals`

The `equals` predicate returns all records where an attribute is exactly equal to a given value.

#### `like`

The `like` predicate returns all records where an attribute contains a given value.

#### `lte`

The `lte` predicate returns all records where an attribute is less than or equal to a given value.

#### `gte`

The `gte` predicate returns all records where an attribute is greater than or equal to a given value.

#### `true`

The `true` predicate returns all records where a field is true or false. The truthful value is "true" and the false value is

"false."

null

The null predicate returns all records where a field is null. Example: search[end\_date\_null]=true

equals\_or\_null, lte\_or\_null, gte\_or\_null

These predicates return all records where a field either is null or equals, lte, or gte a value. Example: search[end\_date\_equals\_or\_null]=2023-01-01

## Examples

Get the list of campaigns filtered by an advertiser name and ordered by campaign name descending

```
GET:
https://beta.aimatch.com/campaigns.xml?search%5Badvertiser_name_equals%5D=My+Advertiser&search%5Bmeta_sort%5D=name
```

Get the list of flights filtered using campaign advertiser name like - note: a flight belongs to a campaign and a campaign belongs to an advertiser

```
GET:
https://beta.aimatch.com/flights.xml?search%5Bcampaign_advertiser_name_like%5D=My+Adver
```

Get the list of campaigns filtered by end date before or on a certain date

```
GET: https://beta.aimatch.com/campaigns.xml?search%5Bend_date_lte%5D=2012-01-01
```

Get the list of campaigns filtered by end date with NULL value

```
GET: https://beta.aimatch.com/campaigns.xml?search%5Bend_date_null%5D=true
```

Get the list of campaigns filtered by end date either after/on a certain date or with NULL value

```
GET:
https://beta.aimatch.com/campaigns.xml?search%5Bend_date_gte_or_null%5D=2012-01-01
```

Get the list of tags containing tag values with value like

```
GET: https://beta.aimatch.com/tags.xml?search%5Bvalues_value_like%5D=myval
```

Get the list of active snippets



```
GET: https://beta.aimatch.com/snippets.xml?search%5Bactive_true%5D=true
```

## XML REST API: Rate Limiting

### Rate limits

***To protect the quality of service on API usage, rate limits are applied to Reports, Check Availability, and other API requests.***

Configure rate limits

The rate limits (both threshold and interval) can be configured per your request. Please contact support.

If you exceed the limits, a response will be returned:

```
HTTP/1.1 429 Too Many Requests  
X-Ratelimit-Limit: threshold
```

## Trafficking

### XML REST API: Advertisers

#### Get a list of Advertisers

GET: <https://beta.aimatch.com/advertisers.xml>

XML Response:

```
<advertisers type="array">
  <advertiser>
    <id type="integer">1</id>
    <name>TestAdvertiser1</name>
  </advertiser>
  <advertiser>
    <id type="integer">2</id>
    <name>TestAdvertiser2</name>
  </advertiser>
  <advertiser>
    <id type="integer">3</id>
    <name>TestAdvertiser3</name>
  </advertiser>
</advertisers>
```

This provides advertisers 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

<https://beta.aimatch.com/advertisers.xml?page=3>

#### Get a specific Advertiser

GET: <https://beta.aimatch.com/advertisers/3.xml>

XML Response:

```
<advertiser>
  <legal-entity-name nil="true"/>
  <status nil="true"/>
  <id type="integer">3</id>
  <name>TestAdvertiser3</name>
  <industry-id type="integer" nil="true"/>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <account-number></account-number>
  <business-id1 nil="true"/>
  <business-id2 nil="true"/>
  <customer-status nil="true"/>
  <bill-direct type="boolean">true</bill-direct>
  <credit-approved type="boolean">false</credit-approved>
  <updated-at type="datetime">2011-02-02T18:09:11-05:00</updated-at>
```

```
<lock-version type="integer">0</lock-version>
<pre-pay type="boolean" nil="true"></pre-pay>
<created-at type="datetime">2011-02-02T18:09:11-05:00</created-at>
<standard-discount type="decimal" nil="true"></standard-discount>
<region-id type="integer" nil="true"/>
<contacts type="array"/>
<category-list type="array"/>
</advertiser>
```

## Get a specific Advertiser using name instead of id

GET:  
[https://beta.aimatch.com/advertisers/by\\_name.xml?advertiser%5Bname%5D=TestAdvertiser3](https://beta.aimatch.com/advertisers/by_name.xml?advertiser%5Bname%5D=TestAdvertiser3)

### XML Response:

```
<advertiser>
  <legal-entity-name nil="true"/>
  <status nil="true"/>
  <id type="integer">3</id>
  <name>TestAdvertiser3</name>
  <industry-id type="integer" nil="true"/>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <account-number></account-number>
  <business-id1 nil="true"/>
  <business-id2 nil="true"/>
  <customer-status nil="true"/>
  <bill-direct type="boolean">true</bill-direct>
  <credit-approved type="boolean">false</credit-approved>
  <updated-at type="datetime">2011-02-02T18:09:11-05:00</updated-at>
  <lock-version type="integer">0</lock-version>
  <pre-pay type="boolean" nil="true"></pre-pay>
  <created-at type="datetime">2011-02-02T18:09:11-05:00</created-at>
  <standard-discount type="decimal" nil="true"></standard-discount>
  <region-id type="integer" nil="true"/>
  <contacts type="array"/>
  <category-list type="array"/>
</advertiser>
```

### With Categories:

GET: <https://beta.aimatch.com/advertisers/1.xml>

```
<advertiser>
  <legal-entity-name nil="true"/>
  <status nil="true"/>
  <id type="integer">1</id>
  <name>TestAdvertiser1</name>
  <industry-id type="integer" nil="true"/>
  <credit-limit type="decimal">5000000.0</credit-limit>
  <account-number></account-number>
  <business-id1 nil="true"/>
  <business-id2 nil="true"/>
```

```

<customer-status nil="true"/>
<bill-direct type="boolean">true</bill-direct>
<credit-approved type="boolean">false</credit-approved>
<updated-at type="datetime">2011-02-16T20:19:53-05:00</updated-at>
<lock-version type="integer">0</lock-version>
<pre-pay type="boolean">false</pre-pay>
<created-at type="datetime">2011-02-16T20:19:53-05:00</created-at>
<standard-discount type="decimal">1.5</standard-discount>
<region-id type="integer" nil="true"/>
<contacts type="array"/>
<category-list type="array">
  <category>danadv1cat1</category>
  <category>danadv1cat2</category>
</category-list>
</advertiser>

```

#### With Contacts:

```

GET: https://beta.aimatch.com/advertisers/2.xml
<advertiser>
  <legal-entity-name nil="true"/>
  <status nil="true"/>
  <id type="integer">2</id>
  <name>TestAdvertiser2</name>
  <industry-id type="integer" nil="true"/>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <account-number></account-number>
  <business-id1 nil="true"/>
  <business-id2 nil="true"/>
  <customer-status nil="true"/>
  <bill-direct type="boolean">true</bill-direct>
  <credit-approved type="boolean">false</credit-approved>
  <updated-at type="datetime">2011-02-18T17:06:41-05:00</updated-at>
  <lock-version type="integer">0</lock-version>
  <pre-pay type="boolean">false</pre-pay>
  <created-at type="datetime">2011-02-18T17:06:41-05:00</created-at>
  <standard-discount type="decimal">1.5</standard-discount>
  <region-id type="integer" nil="true"/>
  <contacts type="array">
    <contact>
      <address1>123 x</address1>
      <address2>suite 123</address2>
      <city>Raleigh</city>
      <contactable-id type="integer">2</contactable-id>
      <contactable-type>Advertiser</contactable-type>
      <country>USA</country>
      <created-at type="datetime">2011-02-18T17:06:41-05:00</created-at>
      <deleted-at type="datetime" nil="true"></deleted-at>
      <email>xmldanadv_12@blah.com</email>
      <full-name>dan adv_12</full-name>
      <id type="integer">11</id>
      <lock-version type="integer">0</lock-version>
      <phone>919-311-1234</phone>
      <state>NC</state>
      <title>CEO</title>
    </contact>
  </contacts>
</advertiser>

```

```

    <updated-at type="datetime">2011-02-18T17:06:41-05:00</updated-at>
    <website>http://danadv.blah.net</website>
    <zip>23456</zip>
  </contact>
</contacts>
<category-list type="array">
  <category>xmlcat1</category>
  <category>xmlcat2</category>
</category-list>
</advertiser>

```

## Creating an Advertiser

```

POST: https://beta.aimatch.com/advertisers.xml
<advertiser>
  <name>My-New-Advertiser</name>
  <category-list type="array">
    <category>Clothing</category>
    <category>Children</category>
  </category-list>
  <contacts-attributes type="array">
    <contact>
      <full-name>First Last</full-name>
    </contact>
  </contacts-attributes>
</advertiser>

```

Response (HTTP status: 201 Created):

```

<advertiser>
  <legal-entity-name nil="true"/>
  <status nil="true"/>
  <id type="integer">4</id>
  <name>My-New-Advertiser</name>
  <industry-id type="integer" nil="true"/>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <account-number></account-number>
  <business-id1 nil="true"/>
  <business-id2 nil="true"/>
  <customer-status nil="true"/>
  <bill-direct type="boolean">>true</bill-direct>
  <credit-approved type="boolean">>false</credit-approved>
  <updated-at type="datetime">2011-03-02T18:06:30-05:00</updated-at>
  <lock-version type="integer">0</lock-version>
  <pre-pay type="boolean" nil="true"></pre-pay>
  <created-at type="datetime">2011-03-02T18:06:30-05:00</created-at>
  <standard-discount type="decimal" nil="true"></standard-discount>
  <region-id type="integer" nil="true"/>
  <contacts type="array">
    <contact>
      <address1 nil="true"/>
      <address2 nil="true"/>
      <city nil="true"/>
      <contactable-id type="integer">47</contactable-id>
    </contact>
  </contacts>

```

```

<contactable-type>Advertiser</contactable-type>
<country nil="true"/>
<created-at type="datetime">2018-02-17T08:45:37+13:00</created-at>
<deleted-at type="datetime" nil="true"/>
<email nil="true"/>
<fax nil="true"/>
<full-name>First Last</full-name>
<id type="integer">12</id>
<lock-version type="integer">0</lock-version>
<phone nil="true"/>
<state nil="true"/>
<title nil="true"/>
<type type="integer" nil="true"/>
<updated-at type="datetime">2018-02-17T08:45:37+13:00</updated-at>
<website nil="true"/>
<zip nil="true"/>
</contact>
</contacts>
<category-list type="array">
  <category>Clothing</category>
  <category>Children</category>
</category-list>
</advertiser>

```

## Updating an Advertiser

```

PUT: https://beta.aimatch.com/advertisers/14.xml
<advertiser>
  <credit-limit type="decimal" nil="true">50000</credit-limit>
  <lock-version type="integer">0</lock-version>
  <name>TestAdvertiser3</name>
  <category-list type="array">
    <category>Foo</category>
    <category>Bar</category>
  </category-list>
  <contacts-attributes type="array">
    <contact>
      <id>13</id>
      <full-name>Existing Contact</full-name>
    </contact>
    <contact>
      <full-name>New Contact</full-name>
    </contact>
  </contacts-attributes>
</advertiser>

```

The response will contain nothing but the status code will be 200.

## Updating an Advertiser using the name instead of the id.

Note the advertisers name cannot be updated when using this URL.

```

PUT: https://beta.aimatch.com/advertisers/by_name.xml
<advertiser>

```

```
<name>TestAdvertiser3</name>
<credit-limit type="decimal">60000</credit-limit>
<lock-version type="integer">1</lock-version>
<standard-discount type="decimal">2.25</standard-discount>
</advertiser>
```

The response will contain nothing but the status code will be 200.

## Ways of specifying the category list

The first way is the way specified above with a list of elements:

```
<advertiser>
  <name>TestAdvertiser3</name>
  <category-list type="array">
    <category>Foo</category>
    <category>Bar</category>
  </category-list>
</advertiser>
```

The other way with a comma separated string list:

```
<advertiser>
  <name>TestAdvertiser3</name>
  <category-list>Foo, Bar</category-list>
</advertiser>
```

## Get a specific Advertiser's dashboard data

GET:  
[https://beta.aimatch.com/advertisers/3/dashboard.xml?end\\_date=20190831&start\\_date=20190801](https://beta.aimatch.com/advertisers/3/dashboard.xml?end_date=20190831&start_date=20190801)

XML Response:

```
<results>
  <advertiser>
    <id>6</id>
    <name>Advertiser 1</name>
  </advertiser>
  <start-date>2019-08-01</start-date>
  <end-date>2019-08-31</end-date>
  <flights>
    <flight>
      <id>47</id>
      <served>3968</served>
      <clicked>62</clicked>
    </flight>
    <flight>
      <id>48</id>
      <served>1984</served>
      <clicked>31</clicked>
    </flight>
```

```
</flights>
</results>
```

JSON Response:

```
{
  "advertiser": {
    "id": 6,
    "name": "Advertiser 1"
  },
  "startDate": "2019-08-01",
  "endDate": "2019-08-31",
  "flights": [
    {
      "id": 47,
      "served": 3968,
      "clicked": 62
    },
    {
      "id": 48,
      "served": 1984,
      "clicked": 31
    }
  ]
}
```

## XML REST API: Areas

### Get a list of Areas

GET: <https://beta.aimatch.com/areas.xml>

XML Response:

```
<areas type="array">
  <area>
    <id type="integer">4</id>
    <name>TestArea0</name>
  </area>
  <area>
    <id type="integer">5</id>
    <name>TestArea1</name>
  </area>
  <area>
    <id type="integer">14</id>
    <name>TestArea10</name>
  </area>
```



```
</areas>
```

This provides areas 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/areas.xml?page=3
```

## Get a specific Area

```
GET: https://beta.aimatch.com/areas/14.xml
```

XML Response:

```
<area>
  <created-at type="datetime">2010-08-31T13:49:39-04:00</created-at>
  <id type="integer">14</id>
  <lock-version type="integer">0</lock-version>
  <name>TestArea10</name>
  <updated-at type="datetime">2010-08-31T13:49:39-04:00</updated-at>
  <sites type="array"/>
</area>
```

With Sites

```
GET: https://beta.aimatch.com/areas/10.xml
```

```
<area>
  <created-at type="datetime">2011-01-20T13:28:59+13:00</created-at>
  <id type="integer">10</id>
  <lock-version type="integer">8</lock-version>
  <name>area10</name>
  <updated-at type="datetime">2011-02-16T04:56:39+13:00</updated-at>
  <sites type="array">
    <site>
      <created-at type="datetime">2011-02-15T05:30:32+13:00</created-at>
      <description nil="true"></description>
      <id type="integer">112</id>
      <lock-version type="integer">10</lock-version>
      <name>site112</name>
      <revenue-cut type="decimal">3.25</revenue-cut>
      <updated-at type="datetime">2011-02-16T07:22:21+13:00</updated-at>
    </site>
    <site>
      <created-at type="datetime">2011-02-15T08:22:03+13:00</created-at>
      <description nil="true"></description>
      <id type="integer">113</id>
      <lock-version type="integer">5</lock-version>
      <name>site113</name>
      <revenue-cut type="decimal">7.25</revenue-cut>
      <updated-at type="datetime">2011-02-16T07:22:21+13:00</updated-at>
    </site>
  </array>
</area>
```

```

<site>
  <created-at type="datetime">2011-02-15T08:27:44+13:00</created-at>
  <description nil="true"></description>
  <id type="integer">114</id>
  <lock-version type="integer">1</lock-version>
  <name>site114</name>
  <revenue-cut type="decimal">5.25</revenue-cut>
  <updated-at type="datetime">2011-02-16T04:56:39+13:00</updated-at>
</site>
</sites>
</area>

```

## Creating an Area associated with new and existing sites

```

POST: https://beta.aimatch.com/areas.xml
<?xml version="1.0"?>
<area>
  <name>new_area_test</name>
  <sites-attributes type="array">
    <site>
      <name>new_area_first_site</name>
      <description>Example of new and existing sites nested in an
area</description>
      <revenue-cut>3.25</revenue-cut>
    </site>
  </sites-attributes>
  <site-ids type="array">
    <id>10</id>
    <id>22</id>
  </site-ids>
</area>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<area>
  <created-at type="datetime">2011-03-10T15:21:15-05:00</created-at>
  <id type="integer">47</id>
  <lock-version type="integer">0</lock-version>
  <name>new_area_test</name>
  <updated-at type="datetime">2011-03-10T15:21:15-05:00</updated-at>
  <sites type="array">
    <site>
      <created-at type="datetime">2011-01-19T19:28:59-05:00</created-at>
      <description nil="true"></description>
      <id type="integer">10</id>
      <lock-version type="integer">0</lock-version>
      <name>bruciun.com</name>
      <revenue-cut type="decimal" nil="true"></revenue-cut>
      <updated-at type="datetime">2011-01-19T19:28:59-05:00</updated-at>
    </site>
  </sites>
</area>

```

```

    <created-at type="datetime">2011-01-19T19:28:59-05:00</created-at>
    <description nil="true"></description>
    <id type="integer">22</id>
    <lock-version type="integer">0</lock-version>
    <name>felynnel.com</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-01-19T19:28:59-05:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-03-10T15:21:15-05:00</created-at>
    <description>Example of new and existing sites nested in an
area</description>
    <id type="integer">131</id>
    <lock-version type="integer">0</lock-version>
    <name>new_area_second_site</name>
    <revenue-cut type="decimal">3.25</revenue-cut>
    <updated-at type="datetime">2011-03-10T15:21:15-05:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-03-10T15:21:15-05:00</created-at>
    <description nil="true"></description>
    <id type="integer">132</id>
    <lock-version type="integer">0</lock-version>
    <name>new_area_test_n_exist_site2</name>
    <revenue-cut type="decimal">7.25</revenue-cut>
    <updated-at type="datetime">2011-03-10T15:21:15-05:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-03-10T15:21:15-05:00</created-at>
    <description nil="true"></description>
    <id type="integer">133</id>
    <lock-version type="integer">0</lock-version>
    <name>new_area_third_site</name>
    <revenue-cut type="decimal">5.25</revenue-cut>
    <updated-at type="datetime">2011-03-10T15:21:15-05:00</updated-at>
  </site>
</sites>
</area>

```

## Updating an Area (including its associated sites)

```

PUT: https://beta.aimatch.com/areas/119.xml
  <?xml version="1.0"?>
<area>
  <name>updated_area</name>
  <sites-attributes type="array">
    <site>
      <name>updated_area_first_site</name>
      <description>Example of a site nested in an area updated</description>
      <revenue-cut>6.25</revenue-cut>
    </site>
    <site>
      <name>updated_area_second_site</name>

```

```
<revenue-cut>10.5</revenue-cut>
</site>
<site>
  <name>updated_area_third_site</name>
</site>
<site>
  <name>updated_area_new_fourth_site</name>
</site>
</sites-attributes>
</area>
```

The response will contain nothing but the status code will be 200.

## Ways of specifying the site-id list (the sites must already exist)

With a list of elements:

```
<area>
  <site-id-list type="array">
    <site-id>1</site-id>
    <site-id>2</site-id>
  </site-id-list>
</area>
```

Another way with a comma separated string list:

```
<area>
  <site-id-list>1,2</site-id-list>
</area>
```

Alternative form with site-ids:

```
<area>
  <site-ids type="array">
    <id>1</id>
    <id>2</id>
  </site-ids>
</area>
```

## XML REST API: Campaigns

### Table Of Contents

- [Get a list of Campaigns](#)
- [Get a specific Campaign \(with nested items\)](#)

- [Create a Campaign \(with nested items\)](#)
- [Update a Campaign](#)
- [Get a list of a Campaign's Flights](#)

## Get a list of Campaigns

GET: <https://beta.aimatch.com/campaigns.xml>

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<campaigns type="array">
  <campaign>
    <id type="integer">1</id>
    <name>TestCampaign1</name>
  </campaign>
  <campaign>
    <id type="integer">2</id>
    <name>TestCampaign2</name>
  </campaign>
  <campaign>
    <id type="integer">3</id>
    <name>TestCampaign3</name>
  </campaign>
</campaigns>
```

This provides 30 campaigns at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

<https://beta.aimatch.com/campaigns.xml?page=3>

There is a special filter called **status\_equals** and you can use it to retrieve the campaigns by status. The available values for the filter are: **active, inactive, closed, alerted, or active\_or\_inactive (not\_closed)**.

[https://beta.aimatch.com/campaigns.xml?page=3&search%5Bstatus\\_equals%5D=active\\_or\\_inactive](https://beta.aimatch.com/campaigns.xml?page=3&search%5Bstatus_equals%5D=active_or_inactive)

## Get a specific Campaign (with nested items)

This by default provides nested flight details but it should be noted that there will be a performance issue if a campaign has a large number of flights. To mitigate this issue, we have a setting called `api_campaign_flights_limit`. If this limit is exceeded, the response will instead return a simpler version of **flight** elements, only including **id, name, and link** elements. Please contact technical support for more details.

GET: <https://beta.aimatch.com/campaigns/3.xml>

XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<campaign>
  <campaign-type>Guaranteed</campaign-type>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <description nil="true"></description>
  <end-date type="date" nil="true"></end-date>
  <external-id nil="true"></external-id>
  <flags type="integer">0</flags>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>TestCampaign3</name>
  <notes nil="true"></notes>
  <proposal-id type="integer" nil="true"></proposal-id>
  <start-date type="date" nil="true"></start-date>
  <status nil="true"></status>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
  <exposure-policy>
    <clicks-lifetime type="integer">10</clicks-lifetime>
    <clicks-period type="integer">30001</clicks-period>
    <clicks-quantity type="integer">10</clicks-quantity>
    <conversions-lifetime type="integer">10</conversions-lifetime>
    <conversions-period type="integer">18001</conversions-period>
    <conversions-quantity type="integer">5</conversions-quantity>
    <created-at type="datetime">2018-08-02T13:16:27-04:00</created-at>
    <id type="integer">3</id>
    <impressions-lifetime type="integer">10</impressions-lifetime>
    <impressions-per-session type="integer">10</impressions-per-session>
    <impressions-period type="integer">10</impressions-period>
    <impressions-quantity type="integer">10</impressions-quantity>
    <updated-at type="datetime">2018-08-02T13:16:27-04:00</updated-at>
    <views-lifetime type="integer" nil="true"/>
    <views-per-session type="integer" nil="true"/>
    <views-period type="integer" nil="true"/>
    <views-quantity type="integer" nil="true"/>
  </exposure-policy>
  <exposure-policies type="array"/>
  <flights type="array">
    <flight>
      <actions type="integer" nil="true"></actions>
      <bonus-actions type="integer" nil="true"></bonus-actions>
      <bonus-clicks type="integer" nil="true"></bonus-clicks>
      <bonus-impressions type="integer" nil="true"></bonus-impressions>
      <bonus-views type="integer" nil="true"></bonus-views>
      <campaign-id type="integer">1</campaign-id>
      <clicks type="integer" nil="true"></clicks>
      <companion-type></companion-type>
      <cost-actions type="decimal" nil="true"></cost-actions>
      <cost-actions-local type="decimal" nil="true"></cost-actions-local>
      <cost-clicks type="decimal" nil="true"></cost-clicks>
      <cost-clicks-local type="decimal" nil="true"></cost-clicks-local>
      <cost-impressions type="decimal" nil="true"></cost-impressions>
      <cost-impressions-local type="decimal" nil="true"></cost-impressions-
local>
      <cost-views type="decimal" nil="true"></cost-views>

```

```

<cost-views-local type="decimal" nil="true"></cost-views-local>
<created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
<creative-selection-method>Weighted</creative-selection-method>
<currency-id type="integer">840</currency-id>
<conversion-rate type="float">1.0</conversion-rate>
<daily-end-time type="hourmin" nil="true"></daily-end-time>
<daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
<daily-rev-cap-local type="decimal" nil="true"></daily-rev-cap-local>
<daily-start-time type="hourmin" nil="true"></daily-start-time>
<description></description>
<end-date type="datetime">2011-06-25T09:00:00-04:00</end-date>
<flat-rate-local type="decimal" nil="true"></flat-rate-local>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-flag>cost_per</flat-rate-flag>
<flight-type>House</flight-type>
<id type="integer">1</id>
<impressions type="integer" nil="true"></impressions>
<views type="integer" nil="true"></views>
<lock-version type="integer">1</lock-version>
<name>campaign_3_flight_1</name>
<notes></notes>
<reference-rate type="integer" nil="true"></reference-rate>
<size-id type="integer">0</size-id>
<start-date type="datetime">2011-05-09T09:00:00-04:00</start-date>
<status>pending</status>
<sticky-duration type="integer">360</sticky-duration>
<targets-group-logic></targets-group-logic>
<updated-at type="datetime">2011-05-11T15:46:54-04:00</updated-at>
<user-info></user-info>
<weight type="integer">1</weight>
<actual-impressions type="integer">22079581</actual-impressions>
<actual-clicks type="integer">0</actual-clicks>
<actual-actions type="integer">0</actual-actions>
<actual-custom-actions type="integer">0</actual-custom-actions>
<flight-creatives type="array">
  <flight-creative>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <creative-id type="integer">1</creative-id>
    <end-date type="datetime"></end-date>
    <flight-id type="integer">1</flight-id>
    <from-date type="date" nil="true"></from-date>
    <id type="integer">1</id>
    <position type="integer">1</position>
    <set-name>set_4</set-name>
    <tag-qualifier>3</tag-qualifier>
    <start-date type="datetime"></start-date>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
    <weight type="integer">1</weight>
  </flight-creative>
  <flight-creative>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-05-11T15:31:59-04:00</created-at>
    <creative-id type="integer">2</creative-id>
    <end-date type="datetime"></end-date>
    <flight-id type="integer">1</flight-id>

```

```

    <from-date type="date" nil="true"></from-date>
    <id type="integer">3</id>
    <position type="integer" nil="true"></position>
    <set-name nil="true"/>
    <tag-qualifier nil="true"/>
    <start-date type="datetime"></start-date>
    <updated-at type="datetime">2011-05-11T15:34:51-04:00</updated-at>
    <weight type="integer">1</weight>
  </flight-creative>
</flight-creatives>
<targets type="array"/>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>Direct Sold</name>
  <preemptible type="boolean">false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">1</rank>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<areas type="array">
  <area>
    <area-id type="">4</area-id>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <flight-id type="">1</flight-id>
    <id type="integer">4</id>
    <lock-version type="integer">0</lock-version>
    <name>Article</name>
    <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
    <sites type="array"/>
  </area>
  <area>
    <area-id type="">8</area-id>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <flight-id type="">1</flight-id>
    <id type="integer">8</id>
    <lock-version type="integer">0</lock-version>
    <name>Downloads</name>
    <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
    <sites type="array"/>
  </area>
</areas>
<tag-values type="array"/>
<geo-tag-values type="array">
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">3</geo-tag-id>
    <id type="integer">26175</id>
    <value>aus</value>
  </geo-tag-value>

```



```

<geo-tag-value>
  <deleted-at nil="true" type="datetime"/>
  <geo-tag-id type="integer">10</geo-tag-id>
  <id type="integer">152800</id>
  <value>CHROME</value>
</geo-tag-value>
<geo-tag-value>
  <deleted-at nil="true" type="datetime"/>
  <geo-tag-id type="integer">1</geo-tag-id>
  <id type="integer">275739</id>
  <value>1 de mayo</value>
</geo-tag-value>
</geo-tag-values>
<sites type="array">
  <site>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <description nil="true"></description>
    <flight-id type="">1</flight-id>
    <id type="integer">1</id>
    <lock-version type="integer">0</lock-version>
    <name>reviews.cnet.com</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <site-id type="">1</site-id>
    <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <description nil="true"></description>
    <flight-id type="">1</flight-id>
    <id type="integer">5</id>
    <lock-version type="integer">0</lock-version>
    <name>alecopy.com</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <site-id type="">5</site-id>
    <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
  </site>
</sites>
<flight-action-policies type="array"/>
<category-list type="array">
  <category>Soda</category>
</category-list>
<beacon-count type="integer">0</beacon-count>
<top-priority type="integer">0</top-priority>
<published type="boolean">false</published>
</flight>
<flight>
  <actions type="integer" nil="true"></actions>
  <bonus-actions type="integer" nil="true"></bonus-actions>
  <bonus-clicks type="integer" nil="true"></bonus-clicks>
  <bonus-impressions type="integer" nil="true"></bonus-impressions>
  <bonus-views type="integer" nil="true"></bonus-views>
  <campaign-id type="integer">1</campaign-id>
  <clicks type="integer" nil="true"></clicks>
  <companion-type nil="true"></companion-type>
  <cost-actions type="decimal" nil="true"></cost-actions>
  <cost-actions-local type="decimal" nil="true"></cost-actions-local>

```

```

<cost-clicks type="decimal" nil="true"></cost-clicks>
<cost-clicks-local type="decimal" nil="true"></cost-clicks-local>
<cost-impressions type="decimal" nil="true"></cost-impressions>
<cost-impressions-local type="decimal" nil="true"></cost-impressions-
local>
<cost-views type="decimal" nil="true"></cost-views>
<cost-views-local type="decimal" nil="true"></cost-views-local>
<created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
<creative-selection-method>Weighted</creative-selection-method>
<currency-id type="integer">840</currency-id>
<conversion-rate type="float">1.0</conversion-rate>
<daily-end-time type="hourmin" nil="true"></daily-end-time>
<daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
<daily-rev-cap-local type="decimal" nil="true"></daily-rev-cap-local>
<daily-start-time type="hourmin" nil="true"></daily-start-time>
<description nil="true"></description>
<end-date type="datetime">2011-07-25T09:55:53-04:00</end-date>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-local type="decimal" nil="true"></flat-rate-local>
<flat-rate-flag>cost_per</flat-rate-flag>
<flight-type>House</flight-type>
<id type="integer">2</id>
<impressions type="integer" nil="true"></impressions>
<views type="integer" nil="true"></views>
<lock-version type="integer">0</lock-version>
<name>campaign_3_flight_2</name>
<notes nil="true"></notes>
<reference-rate type="integer" nil="true"></reference-rate>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-05-02T09:55:53-04:00</start-date>
<status>pending</status>
<sticky-duration type="integer">0</sticky-duration>
<targets-group-logic nil="true"></targets-group-logic>
<updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
<user-info nil="true"></user-info>
<weight type="integer">1</weight>
<actual-impressions type="integer">9498624</actual-impressions>
<actual-clicks type="integer">0</actual-clicks>
<actual-actions type="integer">0</actual-actions>
<actual-custom-actions type="integer">3410</actual-custom-actions>
<published type="boolean">false</published>
<flight-creatives type="array">
  <flight-creative>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <creative-id type="integer">2</creative-id>
    <end-date type="datetime"></end-date>
    <flight-id type="integer">2</flight-id>
    <from-date type="date" nil="true"></from-date>
    <id type="integer">2</id>
    <position type="integer">1</position>
    <set-name nil="true"/>
    <tag-qualifier nil="true"/>
    <start-date type="datetime"></start-date>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
    <weight type="integer">1</weight>
  </flight-creative>
</flight-creatives>

```

```

</flight-creative>
</flight-creatives>
<targets type="array"/>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer">1</grace-period>
  <grace-period-priority type="decimal">0.2</grace-period-priority>
  <id type="integer">2</id>
  <lock-version type="integer">0</lock-version>
  <name>Indirect Sold</name>
  <preemptible type="boolean">>false</preemptible>
  <prioritization-method>eCPM</prioritization-method>
  <rank type="integer">2</rank>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<areas type="array"/>
<tag-values type="array"/>
<geo-tag-values type="array">
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">3</geo-tag-id>
    <id type="integer">26175</id>
    <value>aus</value>
  </geo-tag-value>
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">10</geo-tag-id>
    <id type="integer">152800</id>
    <value>CHROME</value>
  </geo-tag-value>
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">1</geo-tag-id>
    <id type="integer">275739</id>
    <value>1 de mayo</value>
  </geo-tag-value>
</geo-tag-values>
<sites type="array"/>
<flight-action-policies type="array"/>
<category-list type="array">
  <category>Soda</category>
</category-list>
<beacon_count type="integer">0</beacon_count>
<top_priority type="integer">0</top_priority>
<labels type="array">
  <label>
    <name>sports</name>
    <display-name>Basketball</display-name>
    <value>nba</value>
  </label>
  <label>
    <name>east_region-x.y</name>
    <display-name>East Region</display-name>
    <value>nv</value>
  </label>
</labels>

```

```

        </label>
    </labels>
</flight>
</flights>
<advertiser>
    <legal-entity-name></legal-entity-name>
    <status nil="true"/>
    <id type="integer">1</id>
    <name>TestAdvertiser1</name>
    <industry-id type="integer" nil="true"/>
    <credit-limit type="decimal" nil="true"></credit-limit>
    <account-number></account-number>
    <business-id1 nil="true"/>
    <business-id2 nil="true"/>
    <customer-status>Active</customer-status>
    <bill-direct type="boolean">true</bill-direct>
    <credit-approved type="boolean">false</credit-approved>
    <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
    <lock-version type="integer">0</lock-version>
    <pre-pay type="boolean" nil="true"/>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <standard-discount type="decimal" nil="true"/>
    <region-id type="integer" nil="true"/>
    <contacts type="array">
        <contact>
            <address1 nil="true"></address1>
            <address2 nil="true"></address2>
            <city nil="true"></city>
            <contactable-id type="integer">1</contactable-id>
            <contactable-type>Advertiser</contactable-type>
            <country nil="true"></country>
            <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
            <email nil="true"></email>
            <full-name>Test Advertiser User</full-name>
            <id type="integer">1</id>
            <lock-version type="integer">0</lock-version>
            <phone nil="true"></phone>
            <state nil="true"></state>
            <title nil="true"></title>
            <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
            <website nil="true"></website>
            <zip nil="true"></zip>
        </contact>
    </contacts>
</advertiser>
</campaign>

```

If you do not want to get the flight details, you can specify a query parameter `without_flights` in the URL:

```
https://beta.aimatch.com/campaigns/3.xml?without_flights=true
```

## Create a Campaign (with nested items)

**NOTE:** start-date and end-date fields for Flights, FlightCreatives, and LineItems **MUST** include the time zone as part of the datetime value. Datetime values in those fields without a specified time zone will be interpreted as UTC.

- **flat-rate-flag:** to define the options to create goals and revenues: *value*, *flat\_rate*, and *cost\_per*. The default is *cost\_per*.

POST: <https://beta.aimatch.com/campaigns.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<campaign>
  <campaign-type>Guaranteed</campaign-type>
  <description>TestCampaign4 description</description>
  <end-date type="date" nil="true">2012-01-31T23:59:59-05:00</end-date>
  <external-id>TestCampaign4 ext id</external-id>
  <name>TestCampaign4</name>
  <notes>TestCampaign4 notes</notes>
  <start-date type="date">2011-06-16</start-date>
  <exposure-policy-attributes>
    <clicks-lifetime type="integer">10</clicks-lifetime>
    <clicks-period type="integer">30001</clicks-period>
    <clicks-quantity type="integer" nil="true">10</clicks-quantity>
    <conversions-lifetime type="integer" nil="true">10</conversions-lifetime>
    <conversions-period type="integer">18001</conversions-period>
    <conversions-quantity type="integer" nil="true">5</conversions-quantity>
    <impressions-lifetime type="integer" nil="true">10</impressions-lifetime>
    <impressions-per-session type="integer" nil="true">10</impressions-per-
session>
    <impressions-period type="integer">10</impressions-period>
    <impressions-quantity type="integer" nil="true">10</impressions-quantity>
  </exposure-policy-attributes>
  <exposure-policy-ids type="array">
    <id>1042</id>
  </exposure-policy-ids>
  <flights-attributes type="array">
    <flight>
      <actions type="integer" nil="true">1</actions>
      <bonus-actions type="integer" nil="true">2</bonus-actions>
      <bonus-clicks type="integer" nil="true">3</bonus-clicks>
      <bonus-impressions type="integer" nil="true">4</bonus-impressions>
      <bonus-views type="integer" nil="true"></bonus-views>
      <clicks type="integer" nil="true">5</clicks>
      <companion-type>Strict</companion-type>
      <cost-actions-local type="decimal" nil="true">10.5</cost-actions-local>
      <cost-clicks-local type="decimal" nil="true">5.5</cost-clicks-local>
      <cost-impressions-local type="decimal" nil="true">1.5</cost-
impressions-local>
      <cost-views-local type="decimal" nil="true"></cost-views-local>
      <creative-selection-method>Weighted</creative-selection-method>
      <currency-id type="integer">840</currency-id>
      <daily-end-time type="hourmin" nil="true">09:00</daily-end-time>
      <daily-rev-cap-local type="decimal">50.99</daily-rev-cap-local>
      <daily-start-time type="hourmin" nil="true">04:00</daily-start-time>
      <description>TestCampaign4TestFlight1 description</description>
```

```

<end-date type="datetime">2014-03-20T15:00:00-05:00</end-date>
<flat-rate-local type="integer" nil="true"></flat-rate-local>
<flat-rate-flag>cost_per</flat-rate-flag>
<flight-type>House</flight-type>
<impressions type="integer" nil="true">20</impressions>
<views type="integer" nil="true">20</views>
<name>TestCampaign4TestFlight1</name>
<notes>TestCampaign4TestFligh1 notes</notes>
<reference-rate type="integer" nil="true"></reference-rate>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-02-17T13:00:00+05:00</start-date>
<status>pending</status>
<sticky-duration type="integer">360</sticky-duration>
<targets-group-logic>OR</targets-group-logic>
<tier-id type="integer">1</tier-id>
<user-info>TestCampaign4TestFlight1 user info</user-info>
<weight type="integer">1</weight>
<flight-third-party-attributes>
  <external-id>TestCampaign4Flight1 3rd party ext id 1</external-id>
  <third-party-id type="integer">3</third-party-id>
</flight-third-party-attributes>
<flight-action-policies-attributes type="array">
  <flight-action-policy>
    <clicks-period type="integer">72000</clicks-period>
    <clicks-trump-imps type="boolean">false</clicks-trump-imps>
    <imps-period type="integer">21600</imps-period>
    <revenue-local type="decimal">50.0</revenue-local>
    <action>
      <for-all-advertisers type="boolean">false</for-all-advertisers>
      <name>camp_4_flight_1_act_policy_1</name>
    </action>
  </flight-action-policy>
</flight-action-policies-attributes>
<flight-creatives-attributes type="array">
  <flight-creative>
    <active type="boolean">true</active>
    <creative-id type="integer">3</creative-id>
    <end-date type="datetime">2013-03-19T12:59:00-05:00</end-date>
    <position type="integer">1</position>
    <set-name>set_1</set-name>
    <start-date type="datetime">2013-02-18T10:15:00-05:00</start-date>
    <tag-qualifier nil="true"/>
    <weight type="integer">2</weight>
    <exposure-policy-attributes>
      <clicks-lifetime type="integer" nil="true">30</clicks-lifetime>
      <clicks-period type="integer">360000</clicks-period>
      <clicks-quantity type="integer" nil="true">5</clicks-quantity>
      <conversions-lifetime type="integer" nil="true">5</conversions-
lifetime>
      <conversions-period type="integer">36000</conversions-period>
      <conversions-quantity type="integer" nil="true">2</conversions-
quantity>
      <impressions-lifetime type="integer"
nil="true">1000</impressions-lifetime>
      <impressions-per-session type="integer"
nil="true">100</impressions-per-session>

```

```

        <impressions-period type="integer">360000</impressions-period>
        <impressions-quantity type="integer" nil="true">200</impressions-
quantity>
        </exposure-policy-attributes>
    </flight-creative>
</flight-creatives-attributes>
<areas-attributes type="array">
    <area>
        <name>camp_4_flight_1_area_1</name>
        <sites-attributes type="array">
            <site>
                <description nil="true">Test Campaign 4 Flight1 Area1
Site1</description>
                <name>camp_4_flight_1_area_1_site_1.com</name>
                <revenue-cut type="decimal" nil="true">3.68</revenue-cut>
            </site>
        </sites-attributes>
    </area>
</areas-attributes>
<category-list type="array">
    <category>camp4_flight_1_cat_1</category>
    <category>camp4_flight_1_cat_2</category>
</category-list>
<top_priority type="integer">1</top_priority>
<beacon_count type="integer">1</beacon_count>
<sites-attributes type="array">
    <site>
        <description nil="true">camp4 flight 1 site 1</description>
        <name>camp_4_flight_1_site_1.com</name>
        <revenue-cut type="decimal" nil="true">3.5</revenue-cut>
    </site>
</sites-attributes>
<targets-attributes type="array">
    <target>
        <description nil="true">Test Campaign 4 Flight1 Target
1</description>
        <name>camp_4_flight_1_target_1 </name>
        <rules_attributes type="array">
            <rule>
                <connector nil="true"></connector>
                <left-parentheses-count type="integer">0</left-parentheses-
count>
                <left-value>DAYOFWEEK</left-value>
                <operator>In</operator>
                <position type="integer">1</position>
                <right-parentheses-count type="integer">0</right-parentheses-
count>
                <right-value>TUESDAY,FRIDAY</right-value>
            </rule>
            <rule>
                <connector>AND</connector>
                <left-parentheses-count type="integer">0</left-parentheses-
count>
                <left-value>SITE</left-value>
                <operator>Equals</operator>
                <position type="integer">2</position>

```

```

count>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <right-value>camp_4_flight_1_area_1_site_1.com</right-value>
    </rule>
  </rules_attributes>
</target>
</targets_attributes>
<tag-values_attributes type="array">
  <tag-value>
    <tag-id type="integer">1</tag-id>
    <value>Campaign4FlightTagvalue1</value>
  </tag-value>
</tag-values_attributes>
<ad-hoc-target_attributes>
  <rules_attributes type="array">
    <rule>
      <connector nil="true"></connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>GEO_DISTANCE_MILES</left-value>
      <operator>Greater or Equal To</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-
count>
      <right-value>2.56,51.521562,-0.261612</right-value>
    </rule>
    <rule>
      <connector nil="true">AND</connector>
      <left-parentheses-count type="integer">1</left-parentheses-count>
      <left-value>GEO_DISTANCE_MILES</left-value>
      <operator>Greater or Equal To</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-
count>
      <right-value>2.56,51.521562,-0.261612</right-value>
    </rule>
    <rule>
      <connector nil="true">OR</connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>GEO_DISTANCE_MILES</left-value>
      <operator>Greater or Equal To</operator>
      <position type="integer">3</position>
      <right-parentheses-count type="integer">1</right-parentheses-
count>
      <right-value>2.56,51.521562,-0.261612</right-value>
    </rule>
  </rules_attributes>
</ad-hoc-target_attributes>
<labels type="array">
  <label>
    <name>sports</name>
    <display-name>Basketball</display-name>
    <value>nba</value>
  </label>
  <label>
    <name>east_region-x.y</name>
    <display-name>East Region</display-name>

```



```

        <value>nv</value>
      </label>
    </labels>
  </flight>
</flights-attributes>
<advertiser-id>1</advertiser-id>
<labels type="array">
  <label>
    <name>label1</name>
    <display-name>label1 Display</display-name>
    <value>label1 value</value>
  </label>
</labels>
</campaign>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<campaign>
  <campaign-type>Guaranteed</campaign-type>
  <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
  <description>TestCampaign4 description</description>
  <end-date type="date">2012-01-31</end-date>
  <external-id>TestCampaign4 ext id</external-id>
  <flags type="integer">0</flags>
  <id type="integer">4</id>
  <lock-version type="integer">0</lock-version>
  <name>TestCampaign4</name>
  <notes>TestCampaign4 notes</notes>
  <proposal-id type="integer" nil="true"></proposal-id>
  <start-date type="date">2011-06-16</start-date>
  <status nil="true"></status>
  <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
  <flights type="array">
    <flight>
      <actions type="integer">1</actions>
      <bonus-actions type="integer">2</bonus-actions>
      <bonus-clicks type="integer">3</bonus-clicks>
      <bonus-impressions type="integer">4</bonus-impressions>
      <bonus-views type="integer" nil="true"></bonus-views>
      <campaign-id type="integer">4</campaign-id>
      <clicks type="integer">5</clicks>
      <companion-type>Strict</companion-type>
      <cost-actions type="decimal">10.5</cost-actions>
      <cost-actions-local type="decimal">10.5</cost-actions-local>
      <cost-clicks type="decimal">5.5</cost-clicks>
      <cost-clicks-local type="decimal">5.5</cost-clicks-local>
      <cost-impressions type="decimal">1.5</cost-impressions>
      <cost-impressions-local type="decimal">1.5</cost-impressions-local>
      <cost-views type="decimal" nil="true"></cost-views>
      <cost-views-local type="decimal" nil="true"></cost-views-local>
      <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
      <creative-selection-method>Weighted</creative-selection-method>
    </flight>
  </flights>
</campaign>

```

```

<currency-id type="integer">840</currency-id>
<conversion-rate type="float">1.0</conversion-rate>
<daily-end-time type="hourmin">09:00</daily-end-time>
<daily-rev-cap type="decimal">50.99</daily-rev-cap>
<daily-rev-cap-local type="decimal">50.99</daily-rev-cap-local>
<daily-start-time type="hourmin">04:00</daily-start-time>
<description>TestCampaign4TestFlight1 description</description>
<end-date type="datetime">2014-03-20T16:00:00-04:00</end-date>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-local type="decimal" nil="true"></flat-rate-local>
<flat-rate-flag>cost_per</flat-rate-flag>
<flight-type>House</flight-type>
<id type="integer">5</id>
<impressions type="integer">20</impressions>
<views type="integer" nil="true"></views>
<lock-version type="integer">0</lock-version>
<name>TestCampaign4TestFlight1</name>
<notes>TestCampaign4TestFlight1 notes</notes>
<reference-rate type="integer" nil="true"></reference-rate>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-02-17T03:00:00-05:00</start-date>
<status>missing creative</status>
<sticky-duration type="integer">360</sticky-duration>
<targets-group-logic>OR</targets-group-logic>
<updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
<user-info>TestCampaign4TestFlight1 user info</user-info>
<weight type="integer">1</weight>
<published type="boolean">>false</published>
<flight-creatives type="array">
  <flight-creative>
    <active type="boolean">>true</active>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <creative-id type="integer">3</creative-id>
    <end-date type="datetime">2013-03-19T12:59:00-05:00</end-date>
    <flight-id type="integer">5</flight-id>
    <id type="integer">5</id>
    <position type="integer">1</position>
    <set-name>set_1</set-name>
    <start-date type="datetime">2013-03-18T13:00:00-05:00</start-date>
    <tag-qualifier nil="true"/>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
    <weight type="integer">2</weight>
    <exposure-policy>
      <clicks-lifetime type="integer">30</clicks-lifetime>
      <clicks-period type="integer">360000</clicks-period>
      <clicks-quantity type="integer">5</clicks-quantity>
      <conversions-lifetime type="integer">5</conversions-lifetime>
      <conversions-period type="integer">36000</conversions-period>
      <conversions-quantity type="integer">2</conversions-quantity>
      <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
      <id type="integer">2</id>
      <impressions-lifetime type="integer">1000</impressions-lifetime>
      <impressions-per-session>
        <impressions-period type="integer">360000</impressions-period>

```

```

        <impressions-quantity type="integer">200</impressions-quantity>
        <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-
at>
        </exposure-policy>
        </flight-creative>
    </flight-creatives>
    <targets type="array">
        <target>
            <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
            <creator-id type="integer" nil="true"></creator-id>
            <description>Test Campaign 4 Flight1 Target 1</description>
            <id type="integer">9</id>
            <lock-version type="integer">0</lock-version>
            <name>camp_4_flight_1_target_1 </name>
            <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
            <rules type="array">
                <rule type="TargetRule">
                    <connector nil="true"></connector>
                    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
                    <id type="integer">47</id>
                    <left-parentheses-count type="integer">0</left-parentheses-
count>
                    <left-value>DAYOFWEEK</left-value>
                    <lock-version type="integer">0</lock-version>
                    <operator>In</operator>
                    <position type="integer">1</position>
                    <right-parentheses-count type="integer">0</right-parentheses-
count>
                    <right-value>TUESDAY,FRIDAY</right-value>
                    <target-id type="integer">9</target-id>
                    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-
at>
                </rule>
                <rule type="TargetRule">
                    <connector>AND</connector>
                    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
                    <id type="integer">48</id>
                    <left-parentheses-count type="integer">0</left-parentheses-
count>
                    <left-value>SITE</left-value>
                    <lock-version type="integer">0</lock-version>
                    <operator>Equals</operator>
                    <position type="integer">2</position>
                    <right-parentheses-count type="integer">0</right-parentheses-
count>
                    <right-value>camp_4_flight_1_area_1_site_1.com</right-value>
                    <target-id type="integer">9</target-id>
                    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-
at>
                </rule>
            </rules>
        </target>
    </targets>
</ad-hoc-target>

```

```

<description nil="true"/>
<created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
<id type="integer">366</id>
<creator-id type="integer" nil="true"/>
<updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
<name>aiMatch_ad_hoc_target_1355249089_822</name>
<lock-version type="integer">0</lock-version>
<rules type="array">
  <rule type="TargetRule">
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <created-at type="datetime">2012-12-11T13:04:49-05:00</created-
at>
    <id type="integer">2883</id>
    <right-value>2.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-
at>
    <position type="integer">1</position>
    <connector nil="true"/>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <lock-version type="integer">0</lock-version>
  </rule>
  <rule type="TargetRule">
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">1</left-parentheses-count>
    <created-at type="datetime">2012-12-11T13:04:49-05:00</created-
at>
    <id type="integer">2884</id>
    <right-value>2.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-
at>
    <position type="integer">2</position>
    <connector>AND</connector>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <lock-version type="integer">0</lock-version>
  </rule>
  <rule type="TargetRule">
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <created-at type="datetime">2012-12-11T13:04:49-05:00</created-
at>
    <id type="integer">2885</id>
    <right-value>2.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-
at>
    <position type="integer">3</position>
    <connector>OR</connector>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>

```

```

count>      <right-parentheses-count type="integer">1</right-parentheses-
count>
      <lock-version type="integer">0</lock-version>
    </rule>
  </rules>
</ad-hoc-target>
<flight-third-party>
  <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
  <external-id>TestCampaign4Flight1 3rd party ext id 1</external-id>
  <flight-id type="integer">5</flight-id>
  <id type="integer">3</id>
  <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
  <third-party>
    <created-at type="datetime">2011-04-25T09:55:51-04:00</created-at>
    <display-name>PubMatic</display-name>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>pubmatic</name>
    <updated-at type="datetime">2011-04-25T09:55:51-04:00</updated-at>
  </third-party>
</flight-third-party>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>Direct Sold</name>
  <preemptible type="boolean">false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">1</rank>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<areas type="array">
  <area>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <id type="integer">11</id>
    <lock-version type="integer">0</lock-version>
    <name>camp_4_flight_1_area_1</name>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
    <sites type="array">
      <site>
        <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
        <description>Test Campaign 4 Flight1 Area1 Site1</description>
        <id type="integer">113</id>
        <lock-version type="integer">0</lock-version>
        <name>camp_4_flight_1_area_1_site_1.com</name>
        <revenue-cut type="decimal">3.68</revenue-cut>
        <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-
at>
      </site>
    </sites>
  </area>
</array>

```

```

</area>
</areas>
<tag-values type="array">
  <tag-value>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <id type="integer">8858</id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
    <value>Campaign4FlightTagvalue1</value>
  </tag-value>
</tag-values>
<geo-tag-values type="array">
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">3</geo-tag-id>
    <id type="integer">26175</id>
    <value>aus</value>
  </geo-tag-value>
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">10</geo-tag-id>
    <id type="integer">152800</id>
    <value>CHROME</value>
  </geo-tag-value>
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">1</geo-tag-id>
    <id type="integer">275739</id>
    <value>1 de mayo</value>
  </geo-tag-value>
</geo-tag-values>
<sites type="array">
  <site>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <description>camp4 flight 1 site 1</description>
    <id type="integer">112</id>
    <lock-version type="integer">0</lock-version>
    <name>camp_4_flight_1_site_1.com</name>
    <revenue-cut type="decimal">3.5</revenue-cut>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
  </site>
</sites>
<flight-action-policies type="array"/>
<category-list type="array">
  <category>camp4_flight_1_cat_1</category>
  <category>camp4_flight_1_cat_2</category>
</category-list>
<beacon_count type="integer">1</beacon_count>
<top_priority type="integer">1</top_priority>
<labels type="array">
  <label>
    <name>sports</name>
    <display-name>Basketball</display-name>
    <value>nba</value>
  </label>
  <label>

```

```

        <name>east_region-x.y</name>
        <display-name>East Region</display-name>
        <value>nv</value>
    </label>
</labels>
</flight>
</flights>
<advertiser>
    <legal-entity-name></legal-entity-name>
    <status nil="true"/>
    <id type="integer">1</id>
    <name>TestAdvertiser1</name>
    <industry-id type="integer" nil="true"/>
    <credit-limit type="decimal" nil="true"></credit-limit>
    <account-number></account-number>
    <business-id1 nil="true"/>
    <business-id2 nil="true"/>
    <customer-status>Active</customer-status>
    <bill-direct type="boolean">true</bill-direct>
    <credit-approved type="boolean">false</credit-approved>
    <updated-at type="datetime">2011-05-27T19:30:41-04:00</updated-at>
    <lock-version type="integer">1</lock-version>
    <pre-pay type="boolean">false</pre-pay>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <standard-discount type="decimal" nil="true"/>
    <region-id type="integer" nil="true"/>
    <contacts type="array">
        <contact>
            <address1 nil="true"></address1>
            <address2 nil="true"></address2>
            <city nil="true"></city>
            <contactable-id type="integer">1</contactable-id>
            <contactable-type>Advertiser</contactable-type>
            <country nil="true"></country>
            <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
            <email nil="true"></email>
            <full-name>Test Advertiser User</full-name>
            <id type="integer">1</id>
            <lock-version type="integer">0</lock-version>
            <phone nil="true"></phone>
            <state nil="true"></state>
            <title nil="true"></title>
            <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
            <website nil="true"></website>
            <zip nil="true"></zip>
        </contact>
    </contacts>
</advertiser>
<exposure-policy>
    <clicks-lifetime type="integer">10</clicks-lifetime>
    <clicks-period type="integer">30001</clicks-period>
    <clicks-quantity type="integer">10</clicks-quantity>
    <conversions-lifetime type="integer">10</conversions-lifetime>
    <conversions-period type="integer">18001</conversions-period>
    <conversions-quantity type="integer">5</conversions-quantity>
    <created-at type="datetime">2018-08-02T13:16:27-04:00</created-at>

```

```

<id type="integer">3</id>
<impressions-lifetime type="integer">10</impressions-lifetime>
<impressions-per-session type="integer">10</impressions-per-session>
<impressions-period type="integer">10</impressions-period>
<impressions-quantity type="integer">10</impressions-quantity>
<updated-at type="datetime">2018-08-02T13:16:27-04:00</updated-at>
<views-lifetime type="integer" nil="true"/>
<views-per-session type="integer" nil="true"/>
<views-period type="integer" nil="true"/>
<views-quantity type="integer" nil="true"/>
</exposure-policy>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1042</id>
    <name>one_per_session</name>
  </exposure-policy>
</exposure-policies>
<labels type="array">
  <label>
    <name>labell</name>
    <display-name>labell Display</display-name>
    <value>labell value</value>
  </label>
</labels>
</campaign>

```

## Update a Campaign

### Request Note

- **flat-rate-flag:** to define the options to create goals and revenues: *value*, *flat\_rate*, and *cost\_per*. The default is *cost\_per*.

PUT: <https://beta.aimatch.com/campaigns/4.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<campaign>
  <description>TestCampaign4 description updated</description>
  <name>TestCampaign4Updated</name>
  <lock-version type="integer">0</lock-version>
  <notes>TestCampaign4 notes updated</notes>
  <start-date type="date">2011-06-17</start-date>
  <exposure-policy-attributes>
    <clicks-lifetime type="integer">10</clicks-lifetime>
    <clicks-period type="integer">30001</clicks-period>
    <clicks-quantity type="integer" nil="true">10</clicks-quantity>
    <conversions-lifetime type="integer" nil="true">10</conversions-lifetime>
    <conversions-period type="integer">18001</conversions-period>
    <conversions-quantity type="integer" nil="true">5</conversions-quantity>
    <impressions-lifetime type="integer" nil="true">10</impressions-lifetime>
    <impressions-per-session type="integer" nil="true">10</impressions-per-session>
    <impressions-period type="integer">10</impressions-period>
    <impressions-quantity type="integer" nil="true">10</impressions-quantity>
  </exposure-policy-attributes>
</campaign>

```



```

</exposure-policy-attributes>
<flights-attributes type="array">
  <flight>
    <id type="integer">5</id>
    <lock-version type="integer">0</lock-version>
    <actions type="integer" nil="true">11</actions>
    <bonus-actions type="integer" nil="true">12</bonus-actions>
    <bonus-clicks type="integer" nil="true">13</bonus-clicks>
    <bonus-impressions type="integer" nil="true">14</bonus-impressions>
    <clicks type="integer" nil="true">15</clicks>
    <cost-actions-local type="decimal" nil="true">11.5</cost-actions-local>
    <cost-clicks-local type="decimal" nil="true">6.5</cost-clicks-local>
    <cost-impressions-local type="decimal" nil="true">1.6</cost-
impressions-local>
    <cost-views type="decimal" nil="true"></cost-views>
    <cost-views-local type="decimal" nil="true"></cost-views-local>
    <currency-id type="integer">840</currency-id>
    <description>TestCampaign4TestFlight1 description updated</description>
    <end-date type="datetime">2014-03-21T15:00:00-05:00</end-date>
    <impressions type="integer" nil="true">21</impressions>
    <name>TestCampaign4TestFlight1Updated</name>
    <notes>TestCampaign4TestFlight1 notes updated</notes>
    <start-date type="datetime">2011-02-18T13:00:00+05:00</start-date>
    <user-info>TestCampaign4TestFlight1 user info updated</user-info>
    <sticky-duration type="integer">360</sticky-duration>
    <areas-attributes type="array">
      <area>
        <id type="integer">11</id>
        <lock-version type="integer">0</lock-version>
        <name>camp_4_flight_1_area_1_updated</name>
        <sites-attributes type="array">
          <site>
            <id type="integer">113</id>
            <lock-version type="integer">0</lock-version>
            <description nil="true">Test Campaign 4 Flight1 Areal Site1
updated</description>
            <name>camp_4_flight_1_area_1_site_1_updated.com</name>
            <revenue-cut type="decimal" nil="true">4.68</revenue-cut>
          </site>
        </sites-attributes>
      </area>
    </areas-attributes>
    <ad-hoc-target-attributes>
      <description nil="true"/>
      <created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
      <id type="integer">366</id>
      <creator-id type="integer" nil="true"/>
      <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
      <name>aiMatch_ad_hoc_target_1355249089_822</name>
      <lock-version type="integer">0</lock-version>
      <rules-attributes type="array">
        <rule>
          <left-value>GEO_DISTANCE_MILES</left-value>
          <left-parentheses-count type="integer">0</left-parentheses-count>
          <created-at type="datetime">2012-12-11T13:04:49-05:00</created-
at>

```

```

    <id type="integer">2883</id>
    <right-value>3.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-
at>
    <position type="integer">1</position>
    <connector nil="true"/>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <lock-version type="integer">0</lock-version>
</rule>
<rule>
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">1</left-parentheses-count>
    <id type="integer">2884</id>
    <right-value>3.56,51.521562,-0.261612</right-value>
    <position type="integer">2</position>
    <connector>AND</connector>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
</rule>
<rule>
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <id type="integer">2885</id>
    <right-value>3.56,51.521562,-0.261612</right-value>
    <position type="integer">3</position>
    <connector>OR</connector>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">1</right-parentheses-
count>
</rule>
</rules-attributes>
</ad-hoc-target-attributes>
<labels type="array">
    <label>
        <name>sports</name>
        <display-name>Basketball</display-name>
        <value>nba</value>
    </label>
    <label>
        <name>east_region-x.y</name>
        <display-name>East Region</display-name>
        <value>nv</value>
    </label>
</labels>
</flight>
</flights-attributes>
<labels type="array">
    <label>
        <name>label1</name>
        <display-name>label1 Display</display-name>

```

```
<value>label1 value</value>
</label>
</labels>
</campaign>
```

The response will contain nothing but the status code will be 200.

The campaign now looks like this:

```
GET: https://beta.aimatch.com/campaigns/4.xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<campaign>
  <campaign-type>Guaranteed</campaign-type>
  <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
  <description>TestCampaign4 description updated</description>
  <end-date type="date">2012-01-31</end-date>
  <external-id>TestCampaign4 ext id</external-id>
  <flags type="integer">0</flags>
  <id type="integer">4</id>
  <lock-version type="integer">1</lock-version>
  <name>TestCampaign4Updated</name>
  <notes>TestCampaign4 notes updated</notes>
  <proposal-id type="integer" nil="true"></proposal-id>
  <start-date type="date">2011-06-17</start-date>
  <status nil="true"></status>
  <updated-at type="datetime">2011-05-27T19:47:12-04:00</updated-at>
  <flights type="array">
    <flight>
      <actions type="integer">11</actions>
      <bonus-actions type="integer">12</bonus-actions>
      <bonus-clicks type="integer">13</bonus-clicks>
      <bonus-impressions type="integer">14</bonus-impressions>
      <bonus-views type="integer" nil="true"></bonus-views>
      <campaign-id type="integer">4</campaign-id>
      <clicks type="integer">15</clicks>
      <companion-type>Strict</companion-type>
      <cost-actions type="decimal">11.5</cost-actions>
      <cost-actions-local type="decimal">11.5</cost-actions-local>
      <cost-clicks type="decimal">6.5</cost-clicks>
      <cost-clicks-local type="decimal">6.5</cost-clicks-local>
      <cost-impressions type="decimal">1.6</cost-impressions>
      <cost-impressions-local type="decimal">1.6</cost-impressions-local>
      <cost-views type="decimal" nil="true"></cost-views>
      <cost-views-local type="decimal" nil="true"></cost-views-local>
      <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
      <creative-selection-method>Weighted</creative-selection-method>
      <currency-id type="integer">840</currency-id>
      <conversion-rate type="float">1.0</conversion-rate>
      <daily-end-time type="hourmin">19:00</daily-end-time>
      <daily-rev-cap type="decimal">50.99</daily-rev-cap>
      <daily-rev-cap-local type="decimal">50.99</daily-rev-cap-local>
      <daily-start-time type="hourmin">04:00</daily-start-time>
      <description>TestCampaign4TestFlight1 description updated</description>
```

```

<end-date type="datetime">2014-03-21T16:00:00-04:00</end-date>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-local type="decimal" nil="true"></flat-rate-local>
<flat-rate-flag>cost_per</flat-rate-flag>
<flight-type>House</flight-type>
<id type="integer">5</id>
<impressions type="integer">21</impressions>
<views type="integer" nil="true"></views>
<lock-version type="integer">1</lock-version>
<name>TestCampaign4TestFlight1Updated</name>
<notes>TestCampaign4TestFlight1 notes updated</notes>
<reference-rate type="integer" nil="true"></reference-rate>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-02-18T03:00:00-05:00</start-date>
<status>pending</status>
<sticky-duration type="integer">360</sticky-duration>
<targets-group-logic>OR</targets-group-logic>
<updated-at type="datetime">2011-05-27T19:47:12-04:00</updated-at>
<user-info>TestCampaign4TestFlight1 user info updated</user-info>
<weight type="integer">1</weight>
<published type="boolean">false</published>
<flight-creatives type="array">
  <flight-creative>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <creative-id type="integer">3</creative-id>
    <end-date type="datetime"></end-date>
    <flight-id type="integer">5</flight-id>
    <id type="integer">5</id>
    <position type="integer">1</position>
    <set-name>set_1</set-name>
    <tag-qualifier nil="true"/>
    <start-date type="datetime"></start-date>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
    <weight type="integer">2</weight>
    <exposure-policy>
      <clicks-lifetime type="integer">30</clicks-lifetime>
      <clicks-period type="integer">360000</clicks-period>
      <clicks-quantity type="integer">5</clicks-quantity>
      <conversions-lifetime type="integer">5</conversions-lifetime>
      <conversions-period type="integer">36000</conversions-period>
      <conversions-quantity type="integer">2</conversions-quantity>
      <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
      <id type="integer">2</id>
      <impressions-lifetime type="integer">1000</impressions-lifetime>
      <impressions-per-session>
      <impressions-period type="integer">360000</impressions-period>
      <impressions-quantity type="integer">200</impressions-quantity>
      <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-
at>
    </exposure-policy>
  </flight-creative>
</flight-creatives>
<targets type="array">

```

```

<target>
  <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
  <creator-id type="integer" nil="true"></creator-id>
  <description>Test Campaign 4 Flight1 Target 1</description>
  <flight-id type="">5</flight-id>
  <id type="integer">9</id>
  <lock-version type="integer">1</lock-version>
  <name>camp_4_flight_1_target_1 </name>
  <target-id type="">9</target-id>
  <updated-at type="datetime">2011-05-27T19:47:12-04:00</updated-at>
  <rules type="array">
    <rule type="TargetRule">
      <connector nil="true"></connector>
      <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
      <id type="integer">47</id>
      <left-parentheses-count type="integer">0</left-parentheses-
count>
      <left-value>DAYOFWEEK</left-value>
      <lock-version type="integer">0</lock-version>
      <operator>In</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-
count>
      <right-value>TUESDAY,FRIDAY</right-value>
      <target-id type="integer">9</target-id>
      <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-
at>
    </rule>
    <rule type="TargetRule">
      <connector>AND</connector>
      <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
      <id type="integer">48</id>
      <left-parentheses-count type="integer">0</left-parentheses-
count>
      <left-value>SITE</left-value>
      <lock-version type="integer">1</lock-version>
      <operator>Equals</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-
count>
      <right-value>camp_4_flight_1_area_1_site_1_updated.com</right-
value>
      <target-id type="integer">9</target-id>
      <updated-at type="datetime">2011-05-27T19:47:12-04:00</updated-
at>
    </rule>
  </rules>
</target>
</targets>
<flight-third-party>
  <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
  <external-id>TestCampaign4Flight1 3rd party ext id 1</external-id>
  <flight-id type="integer">5</flight-id>
  <id type="integer">3</id>

```

```

<updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
<third-party>
  <created-at type="datetime">2011-04-25T09:55:51-04:00</created-at>
  <display-name>PubMatic</display-name>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>pubmatic</name>
  <updated-at type="datetime">2011-04-25T09:55:51-04:00</updated-at>
</third-party>
</flight-third-party>
<tier>
  <active type="boolean">>true</active>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>Direct Sold</name>
  <preemptible type="boolean">>false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">1</rank>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<areas type="array">
  <area>
    <area-id type="">11</area-id>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <flight-id type="">5</flight-id>
    <id type="integer">11</id>
    <lock-version type="integer">1</lock-version>
    <name>camp_4_flight_1_area_1_updated</name>
    <updated-at type="datetime">2011-05-27T19:47:12-04:00</updated-at>
    <sites type="array">
      <site>
        <area-id type="">11</area-id>
        <created-at type="datetime">2011-05-27T19:30:53-04:00</created-
at>
        <description>Test Campaign 4 Flight1 Area1 Site1
updated</description>
        <id type="integer">113</id>
        <lock-version type="integer">1</lock-version>
        <name>camp_4_flight_1_area_1_site_1_updated.com</name>
        <revenue-cut type="decimal">4.68</revenue-cut>
        <site-id type="">113</site-id>
        <updated-at type="datetime">2011-05-27T19:47:12-04:00</updated-
at>
      </site>
    </sites>
  </area>
</areas>
<tag-values type="array">
  <tag-value>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <id type="integer">8858</id>

```

```

    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
    <value>Campaign4FlightTagvalue1</value>
  </tag-value>
</tag-values>
<geo-tag-values type="array">
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">3</geo-tag-id>
    <id type="integer">26175</id>
    <value>aus</value>
  </geo-tag-value>
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">10</geo-tag-id>
    <id type="integer">152800</id>
    <value>CHROME</value>
  </geo-tag-value>
  <geo-tag-value>
    <deleted-at nil="true" type="datetime"/>
    <geo-tag-id type="integer">1</geo-tag-id>
    <id type="integer">275739</id>
    <value>1 de mayo</value>
  </geo-tag-value>
</geo-tag-values>
<sites type="array">
  <site>
    <created-at type="datetime">2011-05-27T19:30:53-04:00</created-at>
    <description>camp4 flight 1 site 1</description>
    <flight-id type="">5</flight-id>
    <id type="integer">112</id>
    <lock-version type="integer">0</lock-version>
    <name>camp_4_flight_1_site_1.com</name>
    <revenue-cut type="decimal">3.5</revenue-cut>
    <site-id type="">112</site-id>
    <updated-at type="datetime">2011-05-27T19:30:53-04:00</updated-at>
  </site>
</sites>
<flight-action-policies type="array"/>
<category-list type="array">
  <category>camp4_flight_1_cat_1</category>
  <category>camp4_flight_1_cat_2</category>
</category-list>
<beacon_count type="integer">1</beacon_count>
<top_priority type="integer">1</top_priority>
<labels type="array">
  <label>
    <name>sports</name>
    <display-name>Basketball</display-name>
    <value>nba</value>
  </label>
  <label>
    <name>east_region-x.y</name>
    <display-name>East Region</display-name>
    <value>nv</value>
  </label>

```

```

    </labels>
  </flight>
</flights>
<advertiser>
  <legal-entity-name></legal-entity-name>
  <status nil="true"/>
  <id type="integer">1</id>
  <name>TestAdvertiser</name>
  <industry-id type="integer" nil="true"/>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <account-number></account-number>
  <business-id1 nil="true"/>
  <business-id2 nil="true"/>
  <customer-status>Active</customer-status>
  <bill-direct type="boolean">true</bill-direct>
  <credit-approved type="boolean">false</credit-approved>
  <updated-at type="datetime">2011-05-27T19:30:41-04:00</updated-at>
  <lock-version type="integer">1</lock-version>
  <pre-pay type="boolean">false</pre-pay>
  <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
  <standard-discount type="decimal" nil="true"/>
  <region-id type="integer" nil="true"/>
  <contacts type="array">
    <contact>
      <address1 nil="true"></address1>
      <address2 nil="true"></address2>
      <city nil="true"></city>
      <contactable-id type="integer">1</contactable-id>
      <contactable-type>Advertiser</contactable-type>
      <country nil="true"></country>
      <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
      <email nil="true"></email>
      <full-name>Test Advertiser User</full-name>
      <id type="integer">1</id>
      <lock-version type="integer">0</lock-version>
      <phone nil="true"></phone>
      <state nil="true"></state>
      <title nil="true"></title>
      <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
      <website nil="true"></website>
      <zip nil="true"></zip>
    </contact>
  </contacts>
</advertiser>
<exposure-policy>
  <clicks-lifetime type="integer">10</clicks-lifetime>
  <clicks-period type="integer">30001</clicks-period>
  <clicks-quantity type="integer">10</clicks-quantity>
  <conversions-lifetime type="integer">10</conversions-lifetime>
  <conversions-period type="integer">18001</conversions-period>
  <conversions-quantity type="integer">5</conversions-quantity>
  <created-at type="datetime">2018-08-02T13:16:27-04:00</created-at>
  <id type="integer">3</id>
  <impressions-lifetime type="integer">10</impressions-lifetime>
  <impressions-per-session type="integer">10</impressions-per-session>
  <impressions-period type="integer">10</impressions-period>

```



```

<impressions-quantity type="integer">10</impressions-quantity>
<updated-at type="datetime">2018-08-02T13:16:27-04:00</updated-at>
<views-lifetime type="integer" nil="true"/>
<views-per-session type="integer" nil="true"/>
<views-period type="integer" nil="true"/>
<views-quantity type="integer" nil="true"/>
</exposure-policy>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1042</id>
    <name>one_per_session</name>
  </exposure-policy>
</exposure-policies>
<labels type="array">
  <label>
    <name>labell1</name>
    <display-name>labell1 Display</display-name>
    <value>labell1 value</value>
  </label>
</labels>
</campaign>

```

## Get a list of a Campaign's Flights

GET: <https://beta.aimatch.com/campaigns/6/flights.xml>

### XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<flights type="array">
  <flight>
    <id type="integer">6</id>
    <name>TestCampaign6TestFlight1</name>
    <link rel="self" href="/flights/6"/>
  </flight>
  <flight>
    <id type="integer">7</id>
    <name>TestCampaign6TestFlight2</name>
    <link rel="self" href="/flights/7"/>
  </flight>
  <flight>
    <id type="integer">8</id>
    <name>TestCampaign6TestFlight3</name>
    <link rel="self" href="/flights/8"/>
  </flight>
  <flight>
    <id type="integer">9</id>
    <name>TestCampaign6TestFlight4</name>
    <link rel="self" href="/flights/9"/>
  </flight>
  <flight>
    <id type="integer">10</id>

```

```
<name>TestCampaign6TestFlight5</name>
<link rel="self" href="/flights/10"/>
</flight>
<flight>
  <id type="integer">11</id>
  <name>TestCampaign6TestFlight6</name>
  <link rel="self" href="/flights/11"/>
</flight>
</flights>
```

This provides 30 flights at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/campaigns/6/flights.xml?page=2
```

## XML REST API: Flights & Flight Creatives

### Table Of Contents

- [Get A List Of Flights](#)
- [Get A Specific Flight](#)
- [Create A Specific Flight](#)
- [Update A Specific Flight](#)
- [Delete A Specific Flight](#)
- [Review A Specific Draft Flight](#)
- [Approve A Specific Draft Flight](#)
- [Discard A Specific Draft Flight](#)
- [Copy A Specific Flight](#)
- [List Flight Creatives](#)
- [Get A Specific Flight Creative](#)
- [Add/Create Flight Creatives](#)
- [Update A Specific Flight Creative](#)
- [Delete A Flight Creative](#)
- [Delete Multiple Flight Creatives](#)

### Get a list of Flights

```
GET: https://beta.aimatch.com/flights.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<flights type="array">
  <flight>
```

## XML REST API: Creatives

### Get a list of Creatives

GET: <https://beta.aimatch.com/creative.xml>

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<creatives type="array">
  <creative>
    <id type="integer">1</id>
    <name>TestCreative1</name>
  </creative>
  <creative>
    <id type="integer">2</id>
    <name>TestCreative2</name>
  </creative>
  <creative>
    <id type="integer">3</id>
    <name>TestCreative3</name>
  </creative>
</creatives>
```

This provides creatives 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

<https://beta.aimatch.com/creative.xml?page=3>

### Get a specific Creative

GET: <https://beta.aimatch.com/creative/3.xml>

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <ad-text nil="true"></ad-text>
  <advertiser-id type="integer">2</advertiser-id>
  <alt></alt>
  <alt-image-id type="integer" nil="true"></alt-image-id>
```

```

<alt-image-reference nil="true"></alt-image-reference>
<alt-image-type nil="true"></alt-image-type>
<alt-image-url nil="true"></alt-image-url>
<click-url></click-url>
<created-at type="datetime">2011-05-25T13:18:09-04:00</created-at>
<description></description>
<duration type="integer" nil="true"></duration>
<filename nil="true"></filename>
<id type="integer">3</id>
<image-url></image-url>
<location-type>url</location-type>
<lock-version type="integer">0</lock-version>
<map nil="true"></map>
<media-id type="integer" nil="true"></media-id>
<media-reference></media-reference>
<name>TestCreative3</name>
<notes></notes>
<request-headers></request-headers>
<request-url></request-url>
<template-id type="integer" nil="true"></template-id>
<updated-at type="datetime">2011-05-25T13:18:09-04:00</updated-at>
<user-info></user-info>
<format-field-values type="array">
  <format-field-value type="CreativeFormatFieldValue">
    <created-at type="datetime">2011-05-25T13:18:09-04:00</created-at>
    <creative-id type="integer">3</creative-id>
    <format-field-id type="integer">14</format-field-id>
    <id type="integer">1</id>
    <updated-at type="datetime">2011-05-25T13:18:09-04:00</updated-at>
    <value>123</value>
    <format-field type="CreativeFormatFieldValue">
      <created-at type="datetime">2011-04-25T09:55:48-04:00</created-at>
      <description>example: code before but not including "/jview/" in ad
tag insertion order</description>
      <id type="integer">14</id>
      <name>Atlas_unique_identifier</name>
      <required type="boolean">true</required>
      <updated-at type="datetime">2011-04-25T09:55:48-04:00</updated-at>
    </format-field>
  </format-field-value>
  <format-field-value type="CreativeFormatFieldValue">
    <created-at type="datetime">2011-05-25T13:18:09-04:00</created-at>
    <creative-id type="integer">3</creative-id>
    <format-field-id type="integer">15</format-field-id>
    <id type="integer">2</id>
    <updated-at type="datetime">2011-05-25T13:18:09-04:00</updated-at>
    <value>abc</value>
    <format-field type="CreativeFormatFieldValue">
      <created-at type="datetime">2011-04-25T09:55:48-04:00</created-at>
      <description>example: code after but not including
"/jview/"</description>
      <id type="integer">15</id>
      <name>Atlas_unique_code</name>
      <required type="boolean">true</required>
      <updated-at type="datetime">2011-04-25T09:55:48-04:00</updated-at>
    </format-field>
  </format-field-value>
</format-field-values>

```

```

    </format-field-value>
  </format-field-values>
</format>
  <id type="integer">13</id>
  <name>Standard-Atlas_javascript</name>
</format>
<size>
  <id type="integer">7</id>
  <name>120X60</name>
</size>
<exposure-policies type="array"></exposure-policies>
<category-list type="array">
  <category>Category1</category>
  <category>Category2</category>
</category-list>
</creative>

```

## Creating a Creative with a format\_field (a nested item)

POST: <https://beta.aimatch.com/creative.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <advertiser-id type="integer">2</advertiser-id>
  <format-id type="integer">8</format-id>
  <location-type>url</location-type>
  <name>TestCreative4</name>
  <size-id type="integer">10</size-id>
  <format-field-values-attributes type="array">
    <format-field-value>
      <format-field-id type="integer">7</format-field-id>
      <value>PID123</value>
    </format-field-value>
  </format-field-values-attributes>
  <exposure-policy-ids type="array">
    <id>1042</id>
  </exposure-policy-ids>
  <category-list type="array">
    <category>Category1</category>
    <category>Category2</category>
  </category-list>
  <labels type="array">
    <label>
      <name>label1</name>
      <display-name>label1 Display</display-name>
      <value>label1 value</value>
    </label>
  </labels>
</creative>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>

```

```

<creative>
  <ad-text nil="true"></ad-text>
  <advertiser-id type="integer">2</advertiser-id>
  <alt nil="true"></alt>
  <alt-image-id type="integer" nil="true"></alt-image-id>
  <alt-image-reference nil="true"></alt-image-reference>
  <alt-image-type nil="true"></alt-image-type>
  <alt-image-url nil="true"></alt-image-url>
  <click-url nil="true"></click-url>
  <created-at type="datetime">2011-05-27T20:09:56-04:00</created-at>
  <description nil="true"></description>
  <duration type="integer" nil="true"></duration>
  <filename nil="true"></filename>
  <id type="integer">4</id>
  <image-url nil="true"></image-url>
  <location-type>url</location-type>
  <lock-version type="integer">0</lock-version>
  <map nil="true"></map>
  <media-id type="integer" nil="true"></media-id>
  <media-reference nil="true"></media-reference>
  <name>TestCreative4</name>
  <notes nil="true"></notes>
  <request-headers nil="true"></request-headers>
  <request-url nil="true"></request-url>
  <template-id type="integer" nil="true"></template-id>
  <updated-at type="datetime">2011-05-27T20:09:56-04:00</updated-at>
  <user-info nil="true"></user-info>
  <format-field-values type="array">
    <format-field-value type="CreativeFormatFieldValue">
      <created-at type="datetime">2011-05-27T20:09:56-04:00</created-at>
      <creative-id type="integer">4</creative-id>
      <format-field-id type="integer">7</format-field-id>
      <id type="integer">3</id>
      <updated-at type="datetime">2011-05-27T20:09:56-04:00</updated-at>
      <value>PID123</value>
      <format-field type="CreativeFormatFieldValue">
        <created-at type="datetime">2011-04-25T09:55:47-04:00</created-at>
        <description nil="true"></description>
        <id type="integer">7</id>
        <name>PID</name>
        <required type="boolean">true</required>
        <updated-at type="datetime">2011-04-25T09:55:47-04:00</updated-at>
      </format-field>
    </format-field-value>
  </format-field-values>
  <format>
    <id type="integer">8</id>
    <name>Standard-Pointroll_javascript</name>
  </format>
  <size>
    <id type="integer">10</id>
    <name>728x90</name>
  </size>
  <exposure-policies type="array">
    <exposure-policy>
      <id type="integer">1042</id>
    </exposure-policy>
  </exposure-policies>

```

```

    <name>one_per_session</name>
  </exposure-policy>
</exposure-policies>
<labels type="array">
  <label>
    <name>labell1</name>
    <display-name>labell1 Display</display-name>
    <value>labell1 value</value>
  </label>
</labels>
</creative>

```

## Creating a Creative providing advertiser name and format name instead of advertiser id or format id

POST: <https://beta.aimatch.com/creative.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <advertiser-name>TestAdvertiser1</advertiser-name>
  <format-name>Standard-Pointroll_javascript</format-name>
  <location-type>url</location-type>
  <name>TestCreativeWithAdvertiserName</name>
  <size-id type="integer">10</size-id>
</creative>

```

Response (HTTP status: 201 Created):

## Updating a Creative

PUT: <https://beta.aimatch.com/creative/10.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <lock-version type="integer">0</lock-version>
  <description>test creative 4 updated</description>
  <name>TestCreative4Updated</name>
  <size-id type="integer">9</size-id>
  <format-field-values-attributes type="array">
    <format-field-value>
      <id type="integer">3</id>
      <value>PID456</value>
    </format-field-value>
  </format-field-values-attributes>
  <category-list type="array">
    <category>Category1</category>
    <category>Category2</category>
  </category-list>
  <labels type="array">
    <label>
      <name>labell1</name>
      <display-name>labell1 Display</display-name>
      <value>labell1 value</value>
    </label>
  </labels>
</creative>

```

```
</label>
</labels>
</creative>
```

The response will contain nothing but the status code will be 200.

The creative now looks like this:

```
GET: https://beta.aimatch.com/creative/10.xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <ad-text nil="true"></ad-text>
  <advertiser-id type="integer">2</advertiser-id>
  <alt nil="true"></alt>
  <alt-image-id type="integer" nil="true"></alt-image-id>
  <alt-image-reference nil="true"></alt-image-reference>
  <alt-image-type nil="true"></alt-image-type>
  <alt-image-url nil="true"></alt-image-url>
  <click-url nil="true"></click-url>
  <created-at type="datetime">2011-05-27T20:09:56-04:00</created-at>
  <description>test creative 4 updated</description>
  <duration type="integer" nil="true"></duration>
  <filename nil="true"></filename>
  <id type="integer">4</id>
  <image-url nil="true"></image-url>
  <location-type>url</location-type>
  <lock-version type="integer">1</lock-version>
  <map nil="true"></map>
  <media-id type="integer" nil="true"></media-id>
  <media-reference nil="true"></media-reference>
  <name>TestCreative4Updated</name>
  <notes nil="true"></notes>
  <request-headers nil="true"></request-headers>
  <request-url nil="true"></request-url>
  <template-id type="integer" nil="true"></template-id>
  <updated-at type="datetime">2011-05-27T20:14:14-04:00</updated-at>
  <user-info nil="true"></user-info>
  <format-field-values type="array">
    <format-field-value type="CreativeFormatFieldValue">
      <created-at type="datetime">2011-05-27T20:09:56-04:00</created-at>
      <creative-id type="integer">4</creative-id>
      <format-field-id type="integer">7</format-field-id>
      <id type="integer">3</id>
      <updated-at type="datetime">2011-05-27T20:14:14-04:00</updated-at>
      <value>PID456</value>
    <format-field type="CreativeFormatFieldValue">
      <created-at type="datetime">2011-04-25T09:55:47-04:00</created-at>
      <description nil="true"></description>
      <id type="integer">7</id>
      <name>PID</name>
      <required type="boolean">true</required>
      <updated-at type="datetime">2011-04-25T09:55:47-04:00</updated-at>
    </format-field>
  </format-field-value>
```



```

</format-field-values>
<format>
  <id type="integer">8</id>
  <name>Standard-Pointroll_javascript</name>
</format>
<size>
  <id type="integer">9</id>
  <name>125X125</name>
</size>
<exposure-policies type="array"></exposure-policies>
<category-list type="array">
  <category>Category1</category>
  <category>Category2</category>
</category-list>
<labels type="array">
  <label>
    <name>labell1</name>
    <display-name>labell1 Display</display-name>
    <value>labell1 value</value>
  </label>
</labels>
</creative>

```

## Creating a new Creative with a media file already in the proper location on disk

POST: <https://beta.aimatch.com/creative.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <advertiser-id type="integer">2</advertiser-id>
  <format-id type="integer">6</format-id>
  <location-type>asset</location-type>
  <name>CreativeWithMediaOnDiskAlready</name>
  <media-attributes>
    <asset-content-type>image/gif</asset-content-type>
    <asset-file-name>OnDiskAlready.gif</asset-file-name>
    <asset-file-size type="integer">261</asset-file-size>
    <asset-updated-at type="datetime">2011-04-13T13:11:01-04:00</asset-
updated-at>
  </media-attributes>
  <size-id type="integer">10</size-id>
</creative>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <ad-text nil="true"></ad-text>
  <advertiser-id type="integer">2</advertiser-id>
  <alt nil="true"></alt>
  <alt-image-id type="integer" nil="true"></alt-image-id>

```

```

<alt-image-reference nil="true"></alt-image-reference>
<alt-image-type nil="true"></alt-image-type>
<alt-image-url nil="true"></alt-image-url>
<click-url nil="true"></click-url>
<created-at type="datetime">2011-04-13T13:16:48-04:00</created-at>
<description nil="true"></description>
<duration type="integer" nil="true"></duration>
<filename nil="true"></filename>
<id type="integer">684</id>
<image-url nil="true"></image-url>
<location-type>asset</location-type>
<lock-version type="integer">0</lock-version>
<map nil="true"></map>
<media-id type="integer">181</media-id>
<media-reference>OnDiskAlready.gif</media-reference>
<name>CreativeWithMediaOnDiskAlready</name>
<notes nil="true"></notes>
<request-headers nil="true"></request-headers>
<request-url nil="true"></request-url>
<size-id type="integer">5</size-id>
<template-id type="integer" nil="true"></template-id>
<updated-at type="datetime">2011-04-13T13:16:48-04:00</updated-at>
<user-info nil="true"></user-info>
<media>
  <advertiser-id type="integer">2</advertiser-id>
  <created-at type="datetime">2011-04-13T13:16:48-04:00</created-at>
  <id type="integer">181</id>
  <lock-version type="integer">0</lock-version>
  <updated-at type="datetime">2011-04-13T13:16:48-04:00</updated-at>
  <asset-file-name>OnDiskAlready.gif</asset-file-name>
  <asset-content-type>image/gif</asset-content-type>
  <asset-updated-at type="datetime">2011-04-13T13:11:01-04:00</asset-
updated-at>
  <asset-file-size type="integer">261</asset-file-size>
  <asset_url
type="string">/system/media/TestAdvertiser2/OnDiskAlready.gif</asset_url>
</media>
<format-field-values type="array"/>
<format>
  <id type="integer">6</id>
  <name>TestFormat6</name>
</format>
<size>
  <id type="integer">10</id>
  <name>728x90</name>
</size>
</creative>

```

## Creating a new Creative with base64 encoded media file and alt-image file uploaded in a single request

POST: <https://beta.aimatch.com/creative.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<creative>
  <advertiser-id type="integer">2</advertiser-id>
  <format-id type="integer">6</format-id>
  <location-type>upload</location-type>
  <name>new_creative_using_base64_media_upload</name>
  <size-id type="integer">6</size-id>
  <media-attributes>
    <asset type="file" content-type="image/gif" name="x.gif">
      <![CDATA[R01GODlhEQAWAMQAAE1NTVNTU11ZWVNjY2xsbHNzc3p6eoaGhouLi5SULJqa
mqGhoampqbOzs7m5uczMzNXV1d3d3ePj4+vr6/T09P7+/gAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAACH5BAkKABYALAAAAAARABYAAAWCYCWOZGme
aJoqEPooI5UAQ2Q+ApBQVQMIgRrpMQjkGJWJ4Re0VXBGwIGXNBgDBAkxOiUp
mYQiEEH1WoFXMopSMAIXqgnBHUIkJG30+xSZA8NXcCQRYgEGWgGBI4RXBhMi
Dol7jECOJA2JAQANmpqWJZgBBU4JnyYNWSRlJxIqrq8jIQA7
]]>
    </asset>
  </media-attributes>
  <alt-image-attributes>
    <asset type="file" content-type="image/gif" name="x_alt_image.gif">
      <![CDATA[R01GODlhEQAWAMQAAE1NTVNTU11ZWVNjY2xsbHNzc3p6eoaGhouLi5SULJqa
mqGhoampqbOzs7m5uczMzNXV1d3d3ePj4+vr6/T09P7+/gAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAACH5BAkKABYALAAAAAARABYAAAWCYCWOZGme
aJoqEPooI5UAQ2Q+ApBQVQMIgRrpMQjkGJWJ4Re0VXBGwIGXNBgDBAkxOiUp
mYQiEEH1WoFXMopSMAIXqgnBHUIkJG30+xSZA8NXcCQRYgEGWgGBI4RXBhMi
Dol7jECOJA2JAQANmpqWJZgBBU4JnyYNWSRlJxIqrq8jIQA7
]]>
    </asset>
  </alt-image-attributes>
</creative>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<creative>
  <ad-text nil="true"></ad-text>
  <advertiser-id type="integer">2</advertiser-id>
  <alt nil="true"></alt>
  <alt-image-id type="integer">170</alt-image-id>
  <alt-image-reference nil="true"></alt-image-reference>
  <alt-image-type nil="true"></alt-image-type>
  <alt-image-url nil="true"></alt-image-url>
  <click-url nil="true"></click-url>
  <created-at type="datetime">2011-04-12T21:43:45-04:00</created-at>
  <description nil="true"></description>
  <duration type="integer" nil="true"></duration>
  <filename nil="true"></filename>
  <id type="integer">677</id>
  <image-url nil="true"></image-url>
  <location-type>asset</location-type>
  <lock-version type="integer">0</lock-version>
  <map nil="true"></map>
  <media-id type="integer">169</media-id>
  <media-reference>x5.gif</media-reference>
  <name>new_creative_using_base64_media_upload</name>

```

```

<notes nil="true"></notes>
<request-headers nil="true"></request-headers>
<request-url nil="true"></request-url>
<template-id type="integer" nil="true"></template-id>
<updated-at type="datetime">2011-04-12T21:43:45-04:00</updated-at>
<user-info nil="true"></user-info>
<alt-image>
  <advertiser-id type="integer">2</advertiser-id>
  <asset-content-type>image/gif</asset-content-type>
  <asset-file-name>x_alt_image.gif</asset-file-name>
  <asset-file-size type="integer">261</asset-file-size>
  <asset-updated-at type="datetime">2011-04-12T21:43:45-04:00</asset-
updated-at>
  <created-at type="datetime">2011-04-12T21:43:45-04:00</created-at>
  <id type="integer">170</id>
  <lock-version type="integer">0</lock-version>
  <updated-at type="datetime">2011-04-12T21:43:45-04:00</updated-at>
</alt-image>
<media>
  <advertiser-id type="integer">2</advertiser-id>
  <asset-content-type>image/gif</asset-content-type>
  <asset-file-name>x.gif</asset-file-name>
  <asset-file-size type="integer">261</asset-file-size>
  <asset-updated-at type="datetime">2011-04-12T21:43:45-04:00</asset-
updated-at>
  <created-at type="datetime">2011-04-12T21:43:45-04:00</created-at>
  <id type="integer">169</id>
  <lock-version type="integer">0</lock-version>
  <updated-at type="datetime">2011-04-12T21:43:45-04:00</updated-at>
</media>
<format-field-values type="array"/>
<format>
  <id type="integer">6</id>
  <name>TestFormat6</name>
</format>
<size>
  <id type="integer">6</id>
  <name>120X240</name>
</size>
</creative>
response: 201

```

## XML REST API: Creative Formats

### Table Of Contents

- [Get a list of Creative Formats](#)
- [Get a specific Creative Format](#)
- [Get a specific Creative Format by name](#)
- [Create Creative Format](#)
- [Create Creative Format with Format Template upload template](#)
- [Create Creative Format with Format Template template text](#)

- [Create Creative Format with network template](#)
- [Update Creative Format](#)
- [Update Creative Format by name](#)
- [Update Creative Format and nested format fields](#)
- [Update Creative Format and nested exposure policy](#)
- [Update Creative Format and nested format tag tokens](#)
- [Delete Creative Format](#)

## Get a list of Creative Formats

```
GET: https://beta.aimatch.com/creative_formats.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<creative-formats type="array">
  <creative-format>
    <id type="integer">1</id>
    <name>CreativeFormat1</name>
  </creative-format>
  <creative-format>
    <id type="integer">2</id>
    <name>CreativeFormat2</name>
  </creative-format>
  <creative-format>
    <id type="integer">3</id>
    <name>CreativeFormat3</name>
  </creative-format>
</creative-formats>
```

This provides formats 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/creative_formats.xml?page=7
```

## Get a specific Creative Format

```
GET: https://beta.aimatch.com/creative_formats/7.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<creative-format>
  <created-at type="datetime">2015-04-13T22:58:05-04:00</created-at>
  <description nil="true"/>
  <filename>CreativeFormat4.tpl</filename>
  <id type="integer">1</id>
  <is-system-format type="boolean">false</is-system-format>
  <lock-version type="integer">0</lock-version>
  <mime-type-id type="integer" nil="true"/>
  <name>CreativeFormat4</name>
```

```
<request-body nil="true"/>
<request-headers nil="true"/>
<request-method nil="true"/>
<request-url nil="true"/>
<response-template nil="true"/>
<response-type nil="true"/>
<updated-at type="datetime">2015-04-13T22:58:05-04:00</updated-at>
<format-fields type="array">
  <format-field>
    <created-at type="datetime">2015-04-13T22:58:05-04:00</created-at>
    <description nil="true"/>
    <format-id type="integer">1</format-id>
    <id type="integer">1</id>
    <media type="boolean">>false</media>
    <name>Field1</name>
    <position type="integer">0</position>
    <required type="boolean">>false</required>
    <updated-at type="datetime">2015-04-13T22:58:05-04:00</updated-at>
  </format-field>
</format-fields>
<exposure-policy>
  <clicks-lifetime type="integer">1</clicks-lifetime>
  <clicks-period type="integer">3600</clicks-period>
  <clicks-quantity type="integer">1</clicks-quantity>
  <conversions-lifetime type="integer">1</conversions-lifetime>
  <conversions-period type="integer">3600</conversions-period>
  <conversions-quantity type="integer">1</conversions-quantity>
  <created-at type="datetime">2015-04-13T22:58:05-04:00</created-at>
  <id type="integer">1</id>
  <impressions-lifetime type="integer">1</impressions-lifetime>
  <impressions-per-session type="integer">1</impressions-per-session>
  <impressions-period type="integer">3600</impressions-period>
  <impressions-quantity type="integer">1</impressions-quantity>
  <updated-at type="datetime">2015-04-13T22:58:05-04:00</updated-at>
</exposure-policy>
<exposure-policies type="array"></exposure-policies>
<template-file-url>https://lv-local-9999999999-us-west-2.s3.us-west-
2.amazonaws.com/customer/beta/templates/formats/CreativeFormat4.templ?X-Amz-
Algorithm=AWS4-HMAC-SHA256&amp;X-Amz-
Credential=ASIAUTHUWXYMDZPLUUPS%2F20220727%2Fus-west-
2%2Fs3%2Faws4_request&amp;X-Amz-Date=20220727T135033Z&amp;X-Amz-
Expires=900&amp;X-Amz-Security-
Token=FwoGZXIvYXdzEj%2F%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaDKHzoK4viGLzb56ASyL9A
RBsZFky8wyH3m5d0iLZTGc1K%2Bjlf2a%2FfNMZKFCFEbvSD5c0iOLR4L7PbZr858vHAZBhoKa%2F
t95dnbjlmDP%2Bcy5rHgUCe5oBoadPuQI1WHclJh%2F6TWgWitqTQAARz4tllbqvNe8CT%2FQIZdl
5CIho5hlaYDCag%2BBjL14YlyqedXFZhFQIbKxzZt2UxH9pmTiUrfn3yaVtO%2FIX4Iv770PK1WYd
d0eZXGq7Xr04z0OkmBVB%2BGjOvSCP419nek5rp4vf8lsH6TinZxf7%2BPRmghMdG05coYxG0J3m1
dvG6XzSRequ2oyAGXH6gPWmkz7DthG2aUmkelik6wKoy1Sfc4o%2FYsFlwYyM3pRJ%2FFiT%2BnH
q0%2Figd81%2FgSV%2FCxMLQvUVvghPU88p%2BffU7XWZmrsh%2Bp750sGdrrLZgul0A%3D%3D&am
p;X-Amz-SignedHeaders=host&amp;X-Amz-
Signature=c42638ef549b5b88ca8a40cc0abb4ba5b68833034b3cb5d394ea93a0b8e8ea93</t
emplate-file-url>
  <labels type="array">
    <label>
      <name>label1</name>
      <display-name>label1 Display</display-name>
```

```
    <value>label1 value</value>
  </label>
</labels>
</creative-format>
```

Success Response Code: 200

## Get a specific Creative Format by name

GET: [https://beta.aimatch.com/creative\\_formats/CreativeFormat5.xml](https://beta.aimatch.com/creative_formats/CreativeFormat5.xml)

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<creative-format>
  <created-at type="datetime">2015-04-13T22:58:06-04:00</created-at>
  <description nil="true"/>
  <filename>CreativeFormat5.tmpl</filename>
  <id type="integer">1</id>
  <is-system-format type="boolean">>false</is-system-format>
  <lock-version type="integer">0</lock-version>
  <mime-type-id type="integer" nil="true"/>
  <name>CreativeFormat5</name>
  <request-body nil="true"/>
  <request-headers nil="true"/>
  <request-method nil="true"/>
  <request-url nil="true"/>
  <response-template nil="true"/>
  <response-type nil="true"/>
  <updated-at type="datetime">2015-04-13T22:58:06-04:00</updated-at>
  <format-fields type="array">
    <format-field>
      <created-at type="datetime">2015-04-13T22:58:06-04:00</created-at>
      <description nil="true"/>
      <format-id type="integer">1</format-id>
      <id type="integer">1</id>
      <media type="boolean">>false</media>
      <name>Field2</name>
      <position type="integer">0</position>
      <required type="boolean">>false</required>
      <updated-at type="datetime">2015-04-13T22:58:06-04:00</updated-at>
    </format-field>
  </format-fields>
  <exposure-policy>
    <clicks-lifetime type="integer">1</clicks-lifetime>
    <clicks-period type="integer">3600</clicks-period>
    <clicks-quantity type="integer">1</clicks-quantity>
    <conversions-lifetime type="integer">1</conversions-lifetime>
    <conversions-period type="integer">3600</conversions-period>
    <conversions-quantity type="integer">1</conversions-quantity>
    <created-at type="datetime">2015-04-13T22:58:06-04:00</created-at>
    <id type="integer">1</id>
    <impressions-lifetime type="integer">1</impressions-lifetime>
    <impressions-per-session type="integer">1</impressions-per-session>
```





```

<description nil="true"/>
<created-at type="dateTime">2023-06-29T17:17:20+02:00</created-at>
<updated-at type="dateTime">2023-06-29T17:17:20+02:00</updated-at>
<lock-version type="integer">0</lock-version>
<request-url nil="true"/>
<request-headers nil="true"/>
<is-system-format type="boolean">>false</is-system-format>
<request-method nil="true"/>
<request-body nil="true"/>
<response-type nil="true"/>
<response-template nil="true"/>
<target-id type="integer">1</target-id>
<flags type="integer" nil="true"/>
<skip-snippets type="boolean">>false</skip-snippets>
<format-fields type="array"></format-fields>
<format-templates type="array"></format-templates>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1045</id>
    <name>named_exposure_policy</name>
  </exposure-policy>
</exposure-policies>
<labels type="array">
  <label>
    <name>label1</name>
    <display-name>label1 Display</display-name>
    <value>label1 value</value>
  </label>
</labels>
</creative-format>

```

Success Response Code: 201

## Create Creative Format with Format Template upload template

[https://beta.aimatch.com/creative\\_formats](https://beta.aimatch.com/creative_formats)

### XML Request:

```

<?xml version="1.0"?>
<creative-format>
  <name>Format1</name>
  <format-templates-attributes type="array">
    <format-template>
      <name>FormatTemplatel</name>
      <target-id>1</target-id>
      <template-type>upload</template-type>
      <template type="file" content-type="text/html"
name="format.html"><![CDATA[PHA+VGZzdCBUZWlwbGF0ZTwvcD4=]]></template>
      </format-template>
    </format-templates-attributes>
  </creative-format>

```



```

https://lv-local-9999999999-us-west-2.s3.us-west-
2.amazonaws.com/customer/beta/templates/global/FormatTemplate1.templ?X-Amz-
Algorithm=AWS4-HMAC-SHA256&X-Amz-
Credential=ASIAUTHUWXYMDZPLUUPS%2F20220727%2Fus-west-2%2Fs3%2Faws4_request&X-
Amz-Date=20220727T144537Z&X-Amz-Expires=900&X-Amz-Security-
Token=FwoGZXIvYXdzEj%2F%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaDKHzoK4viGLzb56ASyL9A
RBsZFky8wyH3m5d0iLZTGc1K%2Bjlf2a%2FfNMZKFCFEbVSD5c0iOLR4L7PbZr858vHAZBhoKa%2F
t95dnbjlmDP%2Bcy5rHgUCe5oBoadPuQI1WHclJh%2F6TWgWitqTQAARz4tllbqvNe8CT%2FQIZdl
5CIho5hlaYDCag%2BBjL14YlyqedXFZhFQIbKxzZt2UxH9pmTiUrfn3yaVtO%2FIX4Iv770PK1WYd
d0eZxGq7Xr04z0OkmBVB%2BGjOvSCP419nek5rp4vf81sH6TinZXf7%2BPRmghMdG05coYxG0J3m1
dvG6XzSRequu2oyAGXH6gPWmkz7DthG2aUmkelik6wKoy1Sfc4o%2FYsFlwYm3pRJ%2FFiT%2BnH
q0%2Figd81%2FgSV%2FCxMLQvUVvghPU88p%2BffU7XWZmrsh%2Bp75OsGdrrLZgul0A%3D%3D&X-
Amz-SignedHeaders=host&X-Amz-
Signature=32049bd0a94e5e70cdd9cf172c1a8269c7744638e60ae455fda426399551acfa
]]></template-url>
</format-template>
</format-templates>
</creative-format>

```

Success Response Code: 201

## Create Format Template with template text

XML Request:

```

<?xml version="1.0"?>
<creative-format>
  <name>Format13</name>
  <format-templates-attributes type="array">
    <format-template>
      <name>FormatTemplate</name>
      <target-id>1</target-id>
      <template-type>text</template-type>
      <template-text><![CDATA[THIS IS A SAMPLE TEMPLATE TEXT]]></template-
text>
    </format-template>
  </format-templates-attributes>
</creative-format>

```

XML Response:

```

<creative-format>
  <id type="integer">78</id>
  <name>Format13</name>
  <description nil="true"/>
  <created-at type="dateTime">2022-07-08T11:07:46-08:00</created-at>
  <updated-at type="dateTime">2022-07-08T11:07:46-08:00</updated-at>
  <lock-version type="integer">0</lock-version>
  <filename>format-template-name</filename>
  <request-url nil="true"/>
  <request-headers nil="true"/>
  <is-system-format type="boolean">>false</is-system-format>
  <request-method nil="true"/>

```



Success Response Code: 201

## Create Network Creative Format

POST: https://beta.aimatch.com/creative\_formats.xml

### XML Request:

```
<?xml version="1.0"?>
<creative-format>
  <name>Format3</name>
  <template-type>network</template-type>
  <request-url>http://example.com/%%QUERY%%</request-url>
  <request-headers>User-Agent: %%USERAGENT%%</request-headers>
</creative-format>
```

### XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<creative-format>
  <created-at type="datetime">2015-04-13T22:58:09-04:00</created-at>
  <description nil="true"/>
  <filename nil="true"/>
  <id type="integer">1</id>
  <is-system-format type="boolean">>false</is-system-format>
  <lock-version type="integer">0</lock-version>
  <mime-type-id type="integer" nil="true"/>
  <name>Format3</name>
  <request-body nil="true"/>
  <request-headers>User-Agent: %%USERAGENT%%</request-headers>
  <request-method nil="true"/>
  <request-url>http://example.com/%%QUERY%%</request-url>
  <response-template nil="true"/>
  <response-type nil="true"/>
  <updated-at type="datetime">2015-04-13T22:58:09-04:00</updated-at>
  <format-fields type="array"/>
  <template-file-url/>
</creative-format>
```

Success Response Code: 201

## Update Creative Format

PUT: https://beta.aimatch.com/creative\_formats/1.xml

### XML Request:

```
<?xml version="1.0"?>
```

```
<creative-format>
  <name>CreativeFormat6</name>
  <description>Adipisci incidunt voluptas qui soluta.</description>
  <lock-version>0</lock-version>
  <format-template-ids type="array">
    <format-template-id>2</format-template-id>
  </format-template-ids>
  <exposure-policy-ids type="array">
    <id>1045</id>
  </exposure-policy-ids>
  <labels type="array">
    <label>
      <name>label1</name>
      <display-name>label1 Display</display-name>
      <value>label1 value</value>
    </label>
  </labels>
</creative-format>
```

Success Response Code: 200

## Update Creative Format by name

PUT: [https://beta.aimatch.com/creative\\_formats/CreativeFormat7.xml](https://beta.aimatch.com/creative_formats/CreativeFormat7.xml)

XML Request:

```
<?xml version="1.0"?>
<creative-format>
  <name>CreativeFormat7</name>
  <description>Dignissimos voluptate enim velit preferendis
qui.</description>
  <lock-version>0</lock-version>
</creative-format>
```

Success Response Code: 200

## Update Creative Format and nested format fields

PUT: [https://beta.aimatch.com/creative\\_formats/1.xml](https://beta.aimatch.com/creative_formats/1.xml)

XML Request:

```
<?xml version="1.0"?>
<creative-format>
  <lock-version>0</lock-version>
  <format-fields-attributes type="array">
    <format-field>
      <id>1</id>
      <name>Field6</name>
```

```
<description>Minima laudantium quod expedita distinctio culpa
delectus.</description>
</format-field>
</format-fields-attributes>
</creative-format>
```

Success Response Code: 200

## Update Creative Format and nested exposure policy

PUT: [https://beta.aimatch.com/creative\\_formats/1.xml](https://beta.aimatch.com/creative_formats/1.xml)

XML Request:

```
<?xml version="1.0"?>
<creative-format>
  <lock-version>0</lock-version>
  <exposure-policy-attributes>
    <id>1</id>
    <impressions-quantity>2</impressions-quantity>
  </exposure-policy-attributes>
</creative-format>
```

Success Response Code: 200

## Update Creative Format and nested format tag tokens

PUT: [https://beta.aimatch.com/creative\\_formats/1.xml](https://beta.aimatch.com/creative_formats/1.xml)

XML Request:

```
<?xml version="1.0"?>
<creative-format>
  <lock-version>0</lock-version>
  <format-tag-tokens-attributes>
    <id>1</id>
    <token>one.two.three</token>
  </format-tag-tokens-attributes>
</creative-format>
```

Success Response Code: 200

## Delete Creative Format

DELETE [https://beta.aimatch.com/creative\\_formats/1.xml](https://beta.aimatch.com/creative_formats/1.xml)

Success Response Code: 200

# XML REST API: Format Templates

## Table Of Contents

- [Get a list of Format Templates](#)
- [Get a specific Format Template](#)
- [Create a Format Template with upload template](#)
- [Create a Format Template with template text](#)
- [Update Format Template](#)
- [Delete Format Template](#)

## List Format Templates

```
GET https://beta.aimatch.com/format_templates.xml
```

Success Response Code: 200

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<format-templates type="array">
  <format-template>
    <id type="integer">1</id>
    <name type="string">FormatTemplate1</name>
    <target-id type="integer">11</target-id>
    <is-system-template type="boolean">>false</is-system-template>
    <filename>FormatTemplate1.tmpl</filename>
    <target-name>Target10</target-name>
  </format-template>
  <format-template>
    <id type="integer">2</id>
    <name type="string">FormatTemplate2</name>
    <target-id type="integer">2</target-id>
    <is-system-template type="boolean">>false</is-system-template>
    <filename>FormatTemplate2.tmpl</filename>
    <target-name>Target1</target-name>
  </format-template>
  <format-template>
    <id type="integer">3</id>
    <name type="string">FormatTemplate3</name>
    <target-id type="integer">14</target-id>
    <is-system-template type="boolean">>false</is-system-template>
    <filename>FormatTemplate3.tmpl</filename>
    <target-name>Target13</target-name>
  </format-template>
</format-templates>
```

## Get a specific Format Template

```
GET https://beta.aimatch.com/format_templates/1.xml
```







```
<lock-version type="integer">0</lock-version>
<created-at type="dateTime">2022-07-11T06:21:18-08:00</created-at>
<updated-at type="dateTime">2022-07-11T06:21:18-08:00</updated-at>
<template-text>&lt;p>&gt;Test Template&lt;/p>&lt;/template-text>
<filename>FormatTemplatel.tmp</filename>
<name>FormatTemplatel</name>
<template-url><![CDATA[
    https://lv-local-999999999-us-west-2.s3.us-west-
    2.amazonaws.com/customer/beta/templates/global/FormatTemplatel.tmp?X-Amz-
    Algorithm=AWS4-HMAC-SHA256&X-Amz-
    Credential=ASIAUTHUWXYMDZPLUUPS%2F20220727%2Fus-west-2%2Fs3%2Faws4_request&X-
    Amz-Date=20220727T144537Z&X-Amz-Expires=900&X-Amz-Security-
    Token=FwoGZXIvYXdzEj%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaDKHzoK4viGLzb56ASyL9A
    RBsZFky8wyH3m5d0iLZTGc1K%2Bjlf2a%2FfNMZKFCFEbvSD5c0iOLR4L7PbZr858vHAZBhoKa%2F
    t95dnbjlmDP%2Bcy5rHgUCe5oBoadPuQI1WHclJh%2F6TWgWitqTQAARz4tllbqvNe8CT%2FQIZdl
    5CIho5hlaYDCag%2BBjL14YlyqedXFZhFQIbKxzZt2UxH9pmTiUrfn3yaVtO%2FIX4Iv770PK1WYd
    d0eZXGq7Xr04z0OkmBVB%2BGjOvSCP4l9nek5rp4vf8lsH6TinZXf7%2BPRmghMdG05coYxG0J3m1
    dvG6XzSRequu2oyAGXH6gPWmkz7DthG2aUmkelik6wKoy1Sfc4o%2FYSF1wYyM3pRJ%2FFiT%2BnH
    q0%2Figd81%2FgSV%2FCxMLQvUVvghPU88p%2BffU7XWZmrsh%2Bp750sGdrrLZgul0A%3D%3D&X-
    Amz-SignedHeaders=host&X-Amz-
    Signature=32049bd0a94e5e70cdd9cf172c1a8269c7744638e60ae455fda426399551acfa
    ]]></template-url>
</format-template>
```

## Update Format Template

PUT [https://beta.aimatch.com/format\\_templates/1.xml](https://beta.aimatch.com/format_templates/1.xml)

XML Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<format-template>
  <id type="integer">1</id>
  <name>FormatTemplatel</name>
  <mime-type-id type="integer" nil="true"/>
  <target-id type="integer" nil="true"/>
  <lock-version type="integer">0</lock-version>
  <template-text>&lt;p>&gt;Test Template&lt;/p>&lt;/template-text>
</format-template>
```

Success Response Code: 200

## Delete Format Template

DELETE [https://beta.aimatch.com/format\\_templates/1.xml](https://beta.aimatch.com/format_templates/1.xml)

Success Response Code: 200

# JSON REST API: Events

## Get a list of Events

```
GET: https://beta.aimatch.com/ads/events.json
```

JSON Response:

```
{
  "name": "events",
  "start": 1,
  "count": 1005,
  "limit": 30,
  "version": "1.0",
  "links": [
    {
      "method": "GET",
      "rel": "self",
      "href": "http://192.168.56.101:3000/ads/events.json",
      "uri": "/ads/events.json",
      "type": "application/vnd.sas.marketing.ads.collection+json"
    },
    {
      "method": "GET",
      "rel": "next",
      "href":
"http://192.168.56.101:3000/ads/events.json?start=31",
      "uri": "/ads/events.json?start=31",
      "type": "application/vnd.sas.marketing.ads.collection+json"
    }
  ],
  "items": [
    {
      "createdAt": "2015-10-16T14:12:56-04:00",
      "deletedAt": null,
      "id": 4,
      "lockVersion": 0,
      "maxAge": 1,
      "maxCount": 1,
      "name": "Event1",
      "target_id": null,
      "updatedAt": "2015-10-16T14:12:56-04:00",
      "links": [
        {
          "rel": "self",
          "method": "get",
          "href": "http://192.168.56.101:3000/ads/events/4",
          "uri": "/ads/events/4",
          "type":
"application/vnd.sas.marketing.ads.event+json"
        },
        {
          "rel": "up",
```

```

        "method": "get",
        "href": "http://192.168.56.101:3000/ads/events",
        "uri": "/ads/events",
        "type":
"application/vnd.sas.marketing.ads.collection+json"
    }
    ],
    "version": "1.0"
},
{
    "createdAt": "2015-10-16T14:13:13-04:00",
    "deletedAt": null,
    "id": 13,
    "lockVersion": 0,
    "maxAge": 1,
    "maxCount": 1,
    "name": "Event10",
    "target_id": null,
    "updatedAt": "2015-10-16T14:13:13-04:00",
    "links": [
        {
            "rel": "self",
            "method": "get",
            "href": "http://192.168.56.101:3000/ads/events/13",
            "uri": "/ads/events/13",
            "type":
"application/vnd.sas.marketing.ads.event+json"
        },
        {
            "rel": "up",
            "method": "get",
            "href": "http://192.168.56.101:3000/ads/events",
            "uri": "/ads/events",
            "type":
"application/vnd.sas.marketing.ads.collection+json"
        }
    ],
    "version": "1.0"
}
]
}

```

This provides events 30 at a time ordered by name. If you want to get the next set you can add a start query parameter to the end of the URL, or use the embedded urls in the 'links' data structure.

```
https://beta.aimatch.com/ads/events.json?start=31
```

## Get a specific Event

```
GET: https://beta.aimatch.com/ads/events/3.json
```

JSON Response:

```

{
  "createdAt": "2015-10-12T10:05:39-04:00",
  "deletedAt": null,
  "id": 2,
  "lockVersion": 3,
  "maxAge": 10000,
  "maxCount": 3333,
  "name": "Stuff",
  "target_id": null,
  "updatedAt": "2015-10-29T10:37:11-04:00",
  "links": [
    {
      "rel": "self",
      "method": "get",
      "href": "http://192.168.56.101:3000/ads/events/2",
      "uri": "/ads/events/2",
      "type": "application/vnd.sas.marketing.ads.event+json"
    },
    {
      "rel": "up",
      "method": "get",
      "href": "http://192.168.56.101:3000/ads/events",
      "uri": "/ads/events",
      "type": "application/vnd.sas.marketing.ads.collection+json"
    }
  ],
  "version": "1.0"
}

```

## Creating an Event

POST: <https://beta.aimatch.com/ads/events.json>

JSON Payload:

```

{
  "event": {
    "name": "ExampleName",
    "maxAge": 10000,
    "maxCount": 3333,
    "target_id": 1
  }
}

```

maxAge and maxCount must both be < 86400

Response (HTTP status: 201 Created):

## Update an Event

```
PUT: https://beta.aimatch.com/ads/events/3.json
```

JSON Payload:

```
{
  "event": {
    "maxAge": 10000,
    "maxCount": 3333,
    "target_id": 1
  }
}
```

name is read-only and cannot be updated once created.

Response (HTTP status: 200 OK):

## Delete an Event

```
DELETE: https://beta.aimatch.com/ads/events/3.json
```

Response (HTTP status: 200 OK):

## XML REST API: Exposure Policies

### Table Of Contents

- [Get a list of Exposure Policies](#)
- [Get a specific Exposure Policy](#)
- [Create an Exposure Policy](#)
- [Update Exposure Policy](#)
- [Delete Exposure Policy](#)

### List Exposure Policies

```
GET https://beta.aimatch.com/exposure_policies.xml
```

Success Response Code: 200

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1</id>
    <name type="string">ExposurePolicy1</name>
  </exposure-policy>
  <exposure-policy>
```

```
<id type="integer">2</id>
<name type="string">ExposurePolicy2</name>
</exposure-policy>
<exposure-policy>
  <id type="integer">3</id>
  <name type="string">ExposurePolicy3</name>
</exposure-policy>
</exposure-policies>
```

## Get a specific Exposure Policy

GET [https://beta.aimatch.com/exposure\\_policies/1.xml](https://beta.aimatch.com/exposure_policies/1.xml)

Success Response Code: 200

XML Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<exposure-policy>
  <id type="integer">24</id>
  <name>NewExposurePolicy4</name>
  <shared type="boolean">false</shared>
  <label-id type="integer" nil="true"/>
  <target-id type="integer" nil="true"/>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2023-06-03T06:54:04+12:00</created-at>
  <updated-at type="dateTime">2023-06-03T06:54:04+12:00</updated-at>
  <rules type="array">
    <rule type="ExposurePolicyRule">
      <id type="integer">6</id>
      <exposure-policy-id type="integer">24</exposure-policy-id>
      <timeframe>lifetime</timeframe>
      <metric-type>impressions</metric-type>
      <period-duration type="integer" nil="true"/>
      <count type="integer">10</count>
      <created-at type="dateTime">2023-06-03T06:54:04+12:00</created-at>
      <updated-at type="dateTime">2023-06-03T06:54:04+12:00</updated-at>
    </rule>
  </rules>
</exposure-policy>
```

## Create Exposure Policy

POST [https://beta.aimatch.com/exposure\\_policies.xml](https://beta.aimatch.com/exposure_policies.xml)

XML Request:

```
<?xml version="1.0"?>
<exposure-policy>
  <name>ExposurePolicy1</name>
  <rules-attributes type="array">
```



```

<rule>
  <timeframe>lifetime</timeframe>
  <metric-type>impressions</metric-type>
  <count>10</count>
</rule>
<rule>
  <timeframe>session</timeframe>
  <metric-type>impressions</metric-type>
  <count>3</count>
</rule>
</rules-attributes>
</exposure-policy>

```

Success Response Code: 201

XML Request:

```

<?xml version="1.0" encoding="UTF-8"?>
<exposure-policy>
  <id type="integer">25</id>
  <name>ExposurePolicy1</name>
  <shared type="boolean">false</shared>
  <label-id type="integer" nil="true"/>
  <target-id type="integer" nil="true"/>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2023-06-03T07:00:46+12:00</created-at>
  <updated-at type="dateTime">2023-06-03T07:00:46+12:00</updated-at>
  <rules type="array">
    <rule type="ExposurePolicyRule">
      <id type="integer">18</id>
      <exposure-policy-id type="integer">27</exposure-policy-id>
      <timeframe>lifetime</timeframe>
      <metric-type>impressions</metric-type>
      <period-duration type="integer" nil="true"/>
      <count type="integer">10</count>
      <created-at type="dateTime">2023-06-03T08:06:38+12:00</created-at>
      <updated-at type="dateTime">2023-06-03T08:06:38+12:00</updated-at>
    </rule>
    <rule type="ExposurePolicyRule">
      <id type="integer">19</id>
      <exposure-policy-id type="integer">27</exposure-policy-id>
      <timeframe>session</timeframe>
      <metric-type>impressions</metric-type>
      <period-duration type="integer" nil="true"/>
      <count type="integer">3</count>
      <created-at type="dateTime">2023-06-03T08:06:38+12:00</created-at>
      <updated-at type="dateTime">2023-06-03T08:06:38+12:00</updated-at>
    </rule>
  </rules>
</exposure-policy>

```

## Update Exposure Policy

```
PUT https://beta.aimatch.com/exposure_policies/18.xml
```

### XML Request:

```
<exposure-policy>
  <name>ExposurePolicy2</name>
  <lock-version>2</lock-version>
  <rules-attributes type="array">
    <rule>
      <id>18</id>
      <timeframe>lifetime</timeframe>
      <metric-type>impressions</metric-type>
      <count>12</count>
    </rule>
    <rule>
      <id>19</id>
      <timeframe>period</timeframe>
      <period-duration>86400</period-duration>
      <metric-type>impressions</metric-type>
      <count>3</count>
    </rule>
  </rules-attributes>
</exposure-policy>
```

Success Response Code: 200

## Delete Exposure Policy

```
DELETE https://beta.aimatch.com/exposure_policies/1.xml
```

Success Response Code: 200

## XML REST API: Media

### Get a list of Media

```
GET: https://beta.aimatch.com/media.xml
```

### XML Response:

```
<media type="array">
  <media>
    <id type="integer">1</id>
    <asset-public-url>
      https://content.aimatch.com/customer/1/TestMedia1.gif
    </asset-public-url>
  </media>
</media>
```

```

    <asset_url type="string">URL for TestMedia1.gif</asset_url>
  </media>
  <media>
    <id type="integer">2</id>
    <asset-public-url>
      https://content.aimatch.com/customer/1/TestMedia2.gif
    </asset-public-url>
    <asset_url type="string">URL for TestMedia2.gif</asset_url>
  </media>
  <media>
    <id type="integer">3</id>
    <asset-public-url>
      https://content.aimatch.com/customer/1/TestMedia3.gif
    </asset-public-url>
    <asset_url type="string">URL for TestMedia3.gif</asset_url>
  </media>
</media>

```

This provides media 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/media.xml?page=3
```

## Get a specific Media

```
GET: https://beta.aimatch.com/media/3.xml
```

XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<media>
  <advertiser-id type="integer">2</advertiser-id>
  <asset-content-type>image/gif</asset-content-type>
  <asset-file-name>x.gif</asset-file-name>
  <asset-file-size type="integer">267</asset-file-size>
  <asset-updated-at type="datetime">2010-07-02T11:19:07-04:00</asset-updated-
at>
  <created-at type="datetime">2010-10-04T16:27:10-04:00</created-at>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <updated-at type="datetime">2010-10-04T16:27:10-04:00</updated-at>
  <asset-public-url>
    https://content.aimatch.com/customer/2/x.gif
  </asset-public-url>
</media>

```

## Creating a new Media with a media file already in the proper location on disk

```

POST: https://beta.aimatch.com/media.xml
<?xml version="1.0" encoding="UTF-8"?>

```

```
<media>
  <asset-content-type>image/gif</asset-content-type>
  <asset-file-name>OnDiskAlready.gif</asset-file-name>
  <asset-file-size type="integer">261</asset-file-size>
  <asset-updated-at type="datetime">2011-04-13T13:11:01-04:00</asset-updated-
at>
</media>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<media>
  <advertiser-id type="integer">2</advertiser-id>
  <created-at type="datetime">2011-04-13T13:16:48-04:00</created-at>
  <id type="integer">181</id>
  <lock-version type="integer">0</lock-version>
  <updated-at type="datetime">2011-04-13T13:16:48-04:00</updated-at>
  <asset-file-name>OnDiskAlready.gif</asset-file-name>
  <asset-content-type>image/gif</asset-content-type>
  <asset-updated-at type="datetime">2011-04-13T13:11:01-04:00</asset-updated-
at>
  <asset-file-size type="integer">261</asset-file-size>
  <asset_url
type="string">/system/media/TestAdvertiser2/OnDiskAlready.gif</asset_url>
  <asset-public-url>
  https://content.aimatch.com/customer/2/OnDiskAlready.gif
  </asset-public-url>
</media>
```

## Creating a new Media with base64 encoded gif file uploaded

```
POST: https://beta.aimatch.com/media.xml
<?xml version="1.0" encoding="UTF-8"?>
<media>
  <advertiser-id type="integer">2</advertiser-id>
  <asset type="file" content-type="image/gif" name="x.gif">
    <![CDATA[
R01GODlhEQAWAMQAAE1NTVNTU1lZWVNjY2xsbHNzc3p6eoaGhouLi5SUlJqa
mqGhoampqbOzs7m5uczMzNXV1d3d3ePj4+vr6/T09P7+/gAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAACH5BAkKABYALAAAAAARABYAAAWCYCWOZGme
aJoqEPooI5UAQ2Q+ApBQVQMIgRrpMQjkGJWJ4Re0VXBGwIGXNBgDBAkxOiUp
mYQiEEH1WoFXMopSMAIXqgnBHUIkJG30+xSZA8NXcCQRYgEGWgGBI4RXBhMi
Dol7jECOJA2JAQANMpqWJZgBBU4JnyYNWSRlJxIqrq8jIQA7
]]>
  </asset>
</media>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<media>
  <advertiser-id type="integer">2</advertiser-id>
  <asset-content-type>image/gif</asset-content-type>
  <asset-file-name>x.gif</asset-file-name>
```

```
<asset-file-size type="integer">261</asset-file-size>
<asset-updated-at type="datetime">2011-04-12T21:43:45-04:00</asset-updated-
at>
<created-at type="datetime">2011-04-12T21:43:45-04:00</created-at>
<id type="integer">3</id>
<lock-version type="integer">0</lock-version>
<updated-at type="datetime">2011-04-12T21:43:45-04:00</updated-at>
<asset-public-url>
  https://content.aimatch.com/customer/2/x.gif
</asset-public-url>
</media>
```

## Get a specific Media including the file contents base64 encoded

```
GET: https://beta.aimatch.com/media/3.xml?encode_attachments=true
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<media>
  <id type="integer">3</id>
  <asset type="file" name="x.gif" content-type="image/gif">
    <![CDATA[R01GODlhEQAWAMQAAE1NTVNTU1lZWVNjY2xsbHNzc3p6eoaGhouLi5SUlJqa
mqGhoampqbOzs7m5uczMzNXV1d3d3ePj4+vr6/T09P7+/gAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAACH5BAkKABYALAAAAAARABYAAAWCYCWOZGme
aJoqEPooI5UAQ2Q+ApBQVQMIgRrpMQjkGJWJ4Re0VXBGwIGXNBgDBAkxOiUp
mYQiEEH1WoFXMopSMAIXqgnBHUIkJG30+xSZA8NXcCQRYgEGWgGBI4RXBhMi
Dol7jECOJA2JAQANMpqWJZgBBU4JnyYNWSRlJxIqrq8jIQa7
]]>
  </asset>
</media>
```

## XML REST API: Advertiser Creative Template

### Deprecation Notice

The 'asset\_url' tag or attribute is deprecated in favor of the 'asset-url' tag. The new 'asset-url' tag contains the same value, but it is included as cdata and the value itself is not encoded.

### Get a list of Advertiser Creative Template

```
GET: https://beta.aimatch.com/advertiser_creative_templates.xml
```

XML Response:

```
<advertiser-creative-templates type="array">
  <advertiser-creative-template>
    <id type="integer">2</id>
    <asset_url>https://lv-local-9999999999-us-west-2.s3.us-west-
2.amazonaws.com/customer/beta/templates/creatives/2/templatel.html?X-Amz-
```













```
<?xml version="1.0" encoding="UTF-8"?>
<advertiser-creative-template>
  <id type="integer">5</id>
  <asset type="file" name="test_5.html" content-type="text/html">
    <![CDATA[PGh0bWw+CjxoZWFkPgo8dG10bGU+aGVsbG8gd29ybGQ8L3RpdGx1Pgo8L2hl
YWQ+Cjxib2R5Pgp0ZWxsbyB3b3JsZCEKPC9ib2R5Pgo8aHRtbD4K
]]>
  </asset>
</advertiser-creative-template>
```

## XML REST API: Sites

### Get a list of Sites

GET: <https://beta.aimatch.com/sites.xml>

XML Response:

```
<sites type="array">
  <site>
    <id type="integer">4</id>
    <name>TestSite0</name>
  </site>
  <site>
    <id type="integer">5</id>
    <name>TestSite1</name>
  </site>
  <site>
    <id type="integer">14</id>
    <name>TestSite10</name>
  </site>
</sites>
```

This provides sites 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

<https://beta.aimatch.com/sites.xml?page=3>

### Get a specific Site

GET: <https://beta.aimatch.com/sites/14.xml>

XML Response:

```
<site>
  <created-at type="datetime">2010-08-31T13:49:39-04:00</created-at>
  <description>example site</description>
  <id type="integer">14</id>
```

```
<lock-version type="integer">0</lock-version>
<name>TestSite10</name>
<revenue-cut type="decimal">1.4</revenue-cut>
<updated-at type="datetime">2010-08-31T13:49:39-04:00</updated-at>
</site>
```

## Creating a Site

```
POST: https://beta.aimatch.com/sites.xml
<site>
  <name>My-New-Site</name>
  <description>example new site</description>
  <revenue-cut>1.79</revenue-cut>
</site>
```

Response (HTTP status: 201 Created):

```
<site>
  <created-at type="datetime">2010-09-14T11:41:48-04:00</created-at>
  <description>example new site</description>
  <id type="integer">57</id>
  <lock-version type="integer">0</lock-version>
  <name>My-New-Site</name>
  <revenue-cut>1.79</revenue-cut>
  <updated-at type="datetime">2010-09-14T11:41:48-04:00</updated-at>
</site>
```

## Updating an Site

```
PUT: https://beta.aimatch.com/sites/14.xml
<site>
  <lock-version type="integer">0</lock-version>
  <name>TestSite10</name>
  <description>example updating a site</description>
  <revenue-cut>2.5</revenue-cut>
</site>
```

The response will contain nothing but the status code will be 200.

# XML & JSON REST APIs: Tag Reserved Names, Tags, Tag Values, Geo Tags, Geo Tag Values & Tag Groups

**NOTE:** Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

UI support has been removed already.

## Table Of Contents

- [Get a list of Tag Reserved Names](#)
- [Get a list of Tags](#)
- [Get a list of Tags in a Tag Group](#)
- [Get a specific Tag](#)
- [Get a specific Tag where the tag has thousands of tag values](#)
- [Creating a Tag](#)
- [Creating a Tag with bulk value creation \(Legacy\) \(Deprecated\)](#)
- [Creating a Tag with bulk value creation \(Legacy\) \(Deprecated\) and specifying you want the results to contain the tag values as csv](#)
- [Bulk creating Tag Values for an existing Tag](#)
- [Updating a Tag](#)
- [Updating a Tag \(including its associated tag values\)](#)
- [Updating a Tag \(using the name instead of the id\) in order to add new tag values in bulk \(Legacy\) \(Deprecated\)](#)
- [Updating a Tag's Tag Group](#)
- [Deleting a Tag Value](#)
- [Get a list of GeoTags](#)
- [Get GeoTagValues for a GeoTag](#)
- [Get a list of Tag Groups](#)
- [Get a specific Tag Group](#)
- [Create a TagGroup](#)
- [Update a TagGroup](#)
- [Delete a TagGroup](#)

## Get a list of Tag Reserved Names

### *JSON Route*

```
GET: https://beta.aimatch.com/ads/tag_reserved_names.json
```

or

```
GET: https://beta.aimatch.com/tag_reserved_names.json
```

JSON Response:

```
["accepts_cookies","accessible","act","acted","actid","action","action_id","actname",...,"zerofill"]
```

### *XML Route*

```
GET: https://beta.aimatch.com/ads/tag_reserved_names.xml
```

or

```
GET: https://beta.aimatch.com/tag_reserved_names.xml
```

XML Response:

```
accepts_cookies
accessible
act
acted
actid
action
action_id
actname
...
zerofill
```

## Get a list of Tags

```
GET: https://beta.aimatch.com/tags.xml
```

XML Response:

```
<tags type="array">
  <tag>
    <datatype>String</datatype>
    <id type="integer">1</id>
    <name>TestTag1</name>
    <tag-group-id type="integer" nil="true"/>
  </tag>
  <tag>
    <datatype>String</datatype>
    <id type="integer">2</id>
    <name>TestTag2</name>
    <tag-group-id type="integer" nil="true"/>
  </tag>
  <tag>
    <datatype>Integer</datatype>
    <id type="integer">3</id>
    <name>TestTag3</name>
    <tag-group-id type="integer" nil="true"/>
  </tag>
</tags>
```

This provides tags 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/tags.xml?page=3
```

## Get a list of Tags in a Tag Group

```
GET: https://beta.aimatch.com/tags.xml?search%5Btag_group_name_like%5D=DMP
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<tags type="array">
  <tag>
    <datatype>String</datatype>
    <id type="integer">3</id>
    <name>Tag1</name>
    <tag-group-id type="integer">1</tag-group-id>
  </tag>
  <tag>
    <datatype>String</datatype>
    <id type="integer">4</id>
    <name>Tag2</name>
    <tag-group-id type="integer">1</tag-group-id>
  </tag>
  <tag>
    <datatype>String</datatype>
    <id type="integer">5</id>
    <name>Tag3</name>
    <tag-group-id type="integer">1</tag-group-id>
  </tag>
</tags>
```

This provides tags 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/tags.xml?page=3&search%5Btag_group_name_like%5D=DMP
```

For more information, you can refer to this page: [Filtering](#)

## Get a specific Tag

```
GET: https://beta.aimatch.com/tags/3.xml
```

or

```
GET: https://beta.aimatch.com/tags/TagName.xml
```

XML Response:

**NOTE:** Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node below is deprecated.

UI support has been removed already.

```

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-02-24T16:55:53-05:00</created-at>
  <datatype>String</datatype>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag3</name>
  <tag-group-id type="integer">2</tag-group-id>
  <updated-at type="datetime">2011-02-24T16:55:53-05:00</updated-at>
  <sites type="array"/>
  <values type="array">
    <value type="TagValue">
      <id type="integer">59</id>
      <value>TestTag3Value1</value>
      <display-name></display-name>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">60</id>
      <value>TestTag3Value1</value>
      <display-name></display-name>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">61</id>
      <value>TestTag3Value2</value>
      <display-name></display-name>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">62</id>
      <value>TestTag3Value3</value>
      <display-name></display-name>
      <aliases type="array">
        <alias type="TagValueAlias">
          <value>TextTag3Value3Alias1</value>
        </alias>
      </aliases>
    </value>
  </values>
</tag>

```

## Get a specific Tag where the tag has thousands of tag values

GET: [https://beta.aimatch.com/tags/3.xml?format\\_tag\\_values=csv](https://beta.aimatch.com/tags/3.xml?format_tag_values=csv)

XML Response:

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.



This means the sites node below is deprecated.

UI support has been removed already.

```
<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-02-24T16:55:53-05:00</created-at>
  <datatype>String</datatype>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag3</name>
  <tag-group-id type="integer">2</tag-group-id>
  <updated-at type="datetime">2011-02-24T16:55:53-05:00</updated-at>
  <sites type="array"/>
  <values-
names>TestTag3Value1,TestTag3Value2,TestTag3Value3,TestTag3Value4,...,testtag
3value99999</value-names>
</tag>
```

## Creating a Tag

POST: <https://beta.aimatch.com/tags.xml>

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node in the response node below is deprecated.

UI support has been removed already.

```
<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <name>TestTag4</name>
  <datatype>String</datatype>
  <values-attributes type="array">
    <value>
      <value>TestTag4Value1</value>
      <display-name>a</display-name>
      <aliases-attributes type="array">
        <alias type="TagValueAlias">
          <value>TextTag3Value3Alias1</value>
        </alias>
      </aliases-attributes>
    </value>
    <value>
      <value>TestTag4Value2</value>
      <display-name>b</display-name>
      <aliases type="array"/>
    </values>
  </value>
```

```

    <value>TestTag4Value3</value>
    <display-name>c</display-name>
    <aliases type="array"/>
  </value>
</values-attributes>
</tag>

```

It should be noted the values won't be created if the *datatype* is *Integer*. The default *datatype* is *String* if not specified.

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-03-03T14:08:55-05:00</created-at>
  <datatype>String</datatype>
  <id type="integer">4</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag4</name>
  <tag-group-id type="integer" nil="true"/>
  <datatype>String</datatype>
  <updated-at type="datetime">2011-03-03T14:08:55-05:00</updated-at>
  <sites type="array"/>
  <values type="array">
    <value type="TagValue">
      <id type="integer">64</id>
      <value>TestTag4Value1</value>
      <display-name>a</display-name>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">65</id>
      <value>TestTag4Value2</value>
      <display-name>b</display-name>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">66</id>
      <value>TestTag4Value3</value>
      <display-name>c</display-name>
      <aliases type="array" />
    </value>
  </values>
</tag>

```

## Creating a Tag with bulk value creation (Legacy) (Deprecated)

POST: <https://beta.aimatch.com/tags.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <name>TestTag5</name>

```

```
<new-value-
names>TestTag5Value1|TestTag5Value1_displya_name,TestTag5Value2,TestTag5Value
3|TestTag5Value3_display_name</new-value-names>
</tag>
```

Response (HTTP status: 201 Created):

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node below is deprecated.

UI support has been removed already.

```
<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-12-01T07:15:47+13:00</created-at>
  <id type="integer">8</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag5</name>
  <tag-group-id type="integer" nil="true"/>
  <datatype>String</datatype>
  <tagsum-logging type="boolean">>false</tagsum-logging>
  <updated-at type="datetime">2011-12-01T07:15:47+13:00</updated-at>
  <sites type="array"/>
  <values type="array">
    <value type="TagValue">
      <id type="integer">10571</id>
      <value>TestTag5Value1</value>
      <display-name>TestTag5Value1_display_name</display-name>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">10572</id>
      <value>TestTag5Value2</value>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <id type="integer">10573</id>
      <value>TestTag5Value3</value>
      <display-name>TestTag5Value3_display_name</display-name>
      <aliases type="array"/>
    </value>
  </values>
</tag>
```

## Creating a Tag with bulk value creation (Legacy) (Deprecated) and specifying you want the results to contain the tag values as CSV

POST: [https://beta.aimatch.com/tags.xml?format\\_tag\\_values=csv](https://beta.aimatch.com/tags.xml?format_tag_values=csv)

```
<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <name>TestTag6</name>
  <new-value-
names>TestTag5Value1|TestTag5Value1_display_name,TestTag5Value2,TestTag5Value
3|TestTag5Value3_display_name</new-value-names>
</tag>
```

Response (HTTP status: 201 Created):

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node below is deprecated.

UI support has been removed already.

```
<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-12-01T07:15:47+13:00</created-at>
  <id type="integer">8</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag5</name>
  <tag-group-id type="integer" nil="true"/>
  <datatype>String</datatype>
  <tagsum-logging type="boolean">>false</tagsum-logging>
  <updated-at type="datetime">2011-12-01T07:15:47+13:00</updated-at>
  <sites type="array"/>
  <value-names>TestTag5Value1,TestTag5Value2TestTag5Value3</value-names>
</tag>
```

## Bulk creating Tag Values for an existing Tag

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node in the response is deprecated.

UI support has been removed already.

POST: <https://beta.aimatch.com/tags/4/values.xml>

```
<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <new_value_names>New Tag Value1|Tag Value 1,New Tag Value2|Tag Value
2</new_value_names>
</tag>
```

The response will contain nothing but the status code will be 200.

The tag now looks like this:

```

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2017-09-13T16:37:34-04:00</created-at>
  <datatype>String</datatype>
  <id type="integer">4</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag4</name>
  <tag-group-id type="integer">4</tag-group-id>
  <tagsum-logging type="boolean">>false</tagsum-logging>
  <updated-at type="datetime">2017-09-21T15:11:05-04:00</updated-at>
  <sites type="array"/>
  <values type="array">
    <value type="TagValue">
      <display-name>tag value 1</display-name>
      <id type="integer">120</id>
      <value>new tag value1</value>
      <aliases type="array"/>
    </value>
    <value type="TagValue">
      <display-name>tag value 2</display-name>
      <id type="integer">121</id>
      <value>new tag value2</value>
      <aliases type="array"/>
    </value>
  </values>
</tag>

```

## Updating a Tag

PUT: <https://beta.aimatch.com/tags/4.xml>

or

PUT: <https://beta.aimatch.com/tags/TagName.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <id type="integer">4</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag4</name>
  <datatype>String</datatype>
</tag>

```

The response will contain nothing but the status code will be 200.

The tag now looks like this:

GET: <https://beta.aimatch.com/tags/4.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-03-03T14:08:55-05:00</created-at>

```

```

<id type="integer">4</id>
<lock-version type="integer">1</lock-version>
<name>TestTag4</name>
<tag-group-id type="integer" nil="true"/>
<datatype>String</datatype>
<updated-at type="datetime">2011-03-03T14:18:17-05:00</updated-at>
<sites type="array"/>
<values type="array">
  <value type="TagValue">
    <id type="integer">64</id>
    <value>TestTag4Value1</value>
    <display-name>a</display-name>
    <aliases type="array"/>
  </value>
  <value type="TagValue">
    <id type="integer">65</id>
    <value>TestTag4Value2</value>
    <display-name>b</display-name>
    <aliases type="array"/>
  </value>
  <value type="TagValue">
    <id type="integer">66</id>
    <value>TestTag4Value3</value>
    <display-name>c</display-name>
    <aliases type="array"/>
  </value>
</values>
</tag>

```

## Updating a Tag (including its associated tag values)

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node below is deprecated.

UI support has been removed already.

```

PUT: https://beta.aimatch.com/tags/4.xml

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <name>TestTag4</name>
  <values-attributes type="array">
    <value>
      <value>NewTagValue1</value>
      <display-name>New Tag Value 1</display-name>
    </value>
    <value>
      <value>NewTagValue2</value>
      <aliases-attributes type="array">
        <alias type="TagValueAlias">
          <value>ZIP</value>
        </alias>
      </aliases-attributes>
    </value>
  </values-attributes>
</tag>

```

```
    </aliases-attributes>
  </value>
</values-attributes>
</tag>
```

The response will contain nothing but the status code will be 200.

The tag now looks like this:

```
GET: https://beta.aimatch.com/tags/4.xml

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2017-09-21T14:41:35-04:00</created-at>
  <datatype>String</datatype>
  <id type="integer">16</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTag4</name>
  <tag-group-id type="integer" nil="true"/>
  <tagsum-logging type="boolean">>false</tagsum-logging>
  <updated-at type="datetime">2017-09-21T14:41:35-04:00</updated-at>
  <values type="array">
    <value type="TagValue">
      <display-name>New Tag Value 1</display-name>
      <id type="integer">124</id>
      <value>NewTagValue1</value>
      <aliases type="array">
        <alias type="TagValueAlias">
          <value>ZIP</value>
        </alias>
      </aliases>
    </value>
    <value type="TagValue">
      <display-name nil="true"/>
      <id type="integer">125</id>
      <value>NewTagValue2</value>
    </value>
  </values>
  <sites type="array"/>
</tag>
```

## Updating a Tag (using the name instead of the id) in order to add new tag values in bulk (Legacy) (Deprecated)

```
PUT: https://beta.aimatch.com/tags/by_name.xml

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <name>TestTag5</name>
  <new-value-
names>TestTag5Value4|TestTag5Value4_display_name,TestTag5Value5,TestTag5Value
6|TestTag5Value6_display_name</new-value-names>
</tag>
```

The response will contain nothing but the status code will be 200.

The tag now looks like this:

NOTE: Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node below is deprecated.

UI support has been removed already.

```
GET: https://beta.aimatch.com/tags/4.xml

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2011-12-01T07:15:47+13:00</created-at>
  <id type="integer">8</id>
  <lock-version type="integer">1</lock-version>
  <name>TestTag5</name>
  <tag-group-id type="integer" nil="true"/>
  <datatype>String</datatype>
  <tagsum-logging type="boolean">true</tagsum-logging>
  <updated-at type="datetime">2011-12-01T07:24:11+13:00</updated-at>
  <sites type="array"/>
  <values type="array">
    <value type="TagValue">
      <id type="integer">10571</id>
      <value>TestTag5Value1</value>
    </value>
    <value type="TagValue">
      <id type="integer">10572</id>
      <value>TestTag5Value2</value>
    </value>
    <value type="TagValue">
      <id type="integer">10573</id>
      <value>TestTag5Value3</value>
    </value>
    <value type="TagValue">
      <id type="integer">10574</id>
      <value>TestTag5Value4</value>
      <display-name>TestTag5Value4_display_name</display-name>
    </value>
    <value type="TagValue">
      <id type="integer">10575</id>
      <value>TestTag5Value5</value>
    </value>
    <value type="TagValue">
      <id type="integer">10576</id>
      <value>TestTag5Value6</value>
      <display-name>TestTag5Value6_display_name</display-name>
    </value>
  </values>
</tag>
```



## Updating a Tag's Tag Group

```
PUT: https://beta.aimatch.com/tags/4.xml

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <tag-group-id type="integer">5</tag-group-id>
</tag>
```

The response will contain nothing but the status code will be 200.

The tag now looks like this:

**NOTE:** Site associations with Tags is deprecated and support will be removed from the API at some point in the future.

This means the sites node below is deprecated.

UI support has been removed already.

```
GET: https://beta.aimatch.com/tags/4.xml

<?xml version="1.0" encoding="UTF-8"?>
<tag>
  <created-at type="datetime">2017-09-13T16:37:34-04:00</created-at>
  <datatype>String</datatype>
  <id type="integer">4</id>
  <lock-version type="integer">5</lock-version>
  <name>Tag2</name>
  <tag-group-id type="integer">4</tag-group-id>
  <tagsum-logging type="boolean">>false</tagsum-logging>
  <updated-at type="datetime">2017-09-21T15:11:05-04:00</updated-at>
  <values type="array">
    <value type="TagValue">
      <display-name nil="true"/>
      <id type="integer">11</id>
      <value>TagValue11</value>
    </value>
  </values>
  <sites type="array"/>
</tag>
```

## Deleting a Tag Value

```
DELETE: https://beta.aimatch.com/tags/4/values/120.xml
```

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <id type="integer">120</id>
</hash>
```

response: 200

## Get a list of GeoTags

GET: [https://beta.aimatch.com/geo\\_tags.xml](https://beta.aimatch.com/geo_tags.xml)

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<geo-tags type="array">
  <geo-tag>
    <id type="integer">1</id>
    <name>geo_city</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">2</id>
    <name>geo_region</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">3</id>
    <name>geo_country</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">4</id>
    <name>geo_metro-code</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">5</id>
    <name>geo_conn-speed</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">6</id>
    <name>geo_zip-code-text</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">7</id>
    <name>geo_metro_code</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">8</id>
    <name>geo_conn_speed</name>
  </geo-tag>
  <geo-tag>
    <id type="integer">9</id>
    <name>geo_zip_code_text</name>
  </geo-tag>
</geo-tags>
```

## Get GeoTagValues for a GeoTag

```
GET: https://beta.aimatch.com/geo_tags/5/values.xml
```

OR

```
GET: https://beta.aimatch.com/geo_tags/GeoTagName/values.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<geo-tag-values type="array">
  <geo-tag-value>
    <id type="integer">26459</id>
    <value>broadband</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26464</id>
    <value>cable</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26460</id>
    <value>dialup</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26463</id>
    <value>dsl</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26462</id>
    <value>mobile</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26458</id>
    <value>oc12</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26468</id>
    <value>oc3</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26469</id>
    <value>satellite</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26465</id>
    <value>t1</value>
  </geo-tag-value>
  <geo-tag-value>
    <id type="integer">26467</id>
    <value>t3</value>
  </geo-tag-value>
</geo-tag-values>
```

```
<geo-tag-value>
  <id type="integer">26466</id>
  <value>wireless</value>
</geo-tag-value>
<geo-tag-value>
  <id type="integer">26461</id>
  <value>xdsl</value>
</geo-tag-value>
</geo-tag-values>
```

### ***Pagination***

This provides tags 30 at a time ordered by name. If you want to get the next set you can add a 'page' query parameter to the end of the URL:

```
https://beta.aimatch.com/geo_tags/1/values.xml?page=3
```

### ***Filtering***

If you want to filter by value, you can add a 'q' query parameter to do a partial string match filtering.

```
https://beta.aimatch.com/geo_tags/1/values.xml?page=3&q=york
```

This will return cities with 'york' in the name, like 'New York' and 'Yorktown'.

### ***Pagination & Filtering combined***

You can also paging a filtered request:

```
https://beta.aimatch.com/geo_tags/1/values.xml?page=3&q=burg
```

This will return the third page of cities with 'burg' in the name.

## **Get a list of Tag Groups**

```
GET https://beta.aimatch.com/ads/tag_groups.json
```

JSON Response:

```
{
  "name": "tag_groups",
  "start": 1,
  "count": 2,
  "limit": 30,
  "version": "1.0",
  "links": [
    {
      "method": "GET",
      "rel": "self",
```

```

    "href": "http://dc.aimatch.com/ads/tag_groups.json",
    "uri": "/ads/tag_groups.json",
    "type": "application/vnd.sas.marketing.ads.collection+json"
  }
],
"items": [
  {
    "id": 4,
    "name": "ExampleName1",
    "links": [
      {
        "rel": "self",
        "method": "get",
        "href": "http://dc.aimatch.com/ads/tag_groups/4",
        "uri": "/ads/tag_groups/4",
        "type":
"application/vnd.sas.marketing.ads.tag_group+json"
      },
      {
        "rel": "up",
        "method": "get",
        "href": "http://dc.aimatch.com/ads/tag_groups",
        "uri": "/ads/tag_groups",
        "type":
"application/vnd.sas.marketing.ads.collection+json"
      }
    ],
  },
  {
    "id": 3,
    "name": "ExampleName2",
    "links": [
      {
        "rel": "self",
        "method": "get",
        "href": "http://dc.aimatch.com/ads/tag_groups/3",
        "uri": "/ads/tag_groups/3",
        "type":
"application/vnd.sas.marketing.ads.tag_group+json"
      },
      {
        "rel": "up",
        "method": "get",
        "href": "http://dc.aimatch.com/ads/tag_groups",
        "uri": "/ads/tag_groups",
        "type":
"application/vnd.sas.marketing.ads.collection+json"
      }
    ],
  }
],
}
}

```

## Get a specific Tag Group

```
GET https://beta.aimatch.com/ads/tag_groups/1.json
```

JSON Response:

```
{
  "id": 4,
  "name": "ExampleName",
  "links": [
    {
      "rel": "self",
      "method": "get",
      "href": "http://dc.aimatch.com/ads/tag_groups/4",
      "uri": "/ads/tag_groups/4",
      "type": "application/vnd.sas.marketing.ads.tag_group+json"
    },
    {
      "rel": "up",
      "method": "get",
      "href": "http://dc.aimatch.com/ads/tag_groups",
      "uri": "/ads/tag_groups",
      "type": "application/vnd.sas.marketing.ads.collection+json"
    }
  ]
}
```

## Create a TagGroup

```
POST https://beta.aimatch.com/ads/tag_groups.json
```

JSON Payload:

```
{
  "tag_group": {
    "name": "ExampleName"
  }
}
```

## Update a TagGroup

```
PUT https://beta.aimatch.com/ads/tag_groups/1.json
```

JSON Payload:

```
{
  "tag_group": {
    "name": "NewTagGroupName"
  }
}
```

## Delete a TagGroup

```
DELETE https://beta.aimatch.com/ads/tag_groups/1.json
```

# XML REST API: Tag Values & Tag Value Aliases

## Table Of Contents

- [Get a list of Tag Values for a Tag](#)
- [Get a specific Tag Value](#)
- [Creating a Tag Value for a Tag](#)
- [Updating a Tag Value](#)
- [Creating or updating Tag Values in a batch](#)
- [Deleting a Tag Value in a Tag](#)
- [Getting a list of Tag Value Aliases for a Tag Value](#)
- [Getting a Tag Value Alias for a Tag Value](#)
- [Creating a Tag Value Alias for a Tag Value](#)
- 

## Get a list of Tag Values for a Tag

```
GET: https://beta.aimatch.com/tags/3/values.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<tag-values type="array">
  <tag-value>
    <id type="integer">1</id>
    <value>afds,va|fa%d</value>
```

```
<display-name nil="true"/>
</tag-value>
<tag-value>
  <id type="integer">116</id>
  <value>j,|f+${</value>
  <display-name nil="true"/>
</tag-value>
<tag-value>
  <id type="integer">10</id>
  <value>TagValue1</value>
  <display-name nil="true"/>
</tag-value>
</tag-values>
```

This provides 30 tag values at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/tags/3/values.xml?page=2
```

## Get a specific Tag Value

```
GET: https://beta.aimatch.com/tags/3/values/1.xml
```

or by tag value:

```
GET: https://beta.aimatch.com/tags/TagName/values/TagValue1.xml
```

**WARNING:** We do not recommend using the "tag\_value" url format tags with an 'Integer' data type. In this case, if a tag value 'A' with an 'id' of '123', and tag value 'B' with a 'value' of '123' will have the same url. Due to this ambiguity, we will always check for the tag value id first, and if request matches we will return that tag value.

**WARNING:** Tag values with URL Reserved Characters must be encoded.

## XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<tag-value>
  <id type="integer">1</id>
  <value>afds,va|fa%d</value>
  <tag-id type="integer">3</tag-id>
  <created-at type="dateTime">2018-08-08T15:17:22-04:00</created-at>
  <updated-at type="dateTime">2018-08-13T18:12:12-04:00</updated-at>
  <display-name nil="true"/>
</tag-value>
```

## Creating a Tag Value for a Tag

```
POST: https://beta.aimatch.com/tags/3/values.xml
<?xml version="1.0" encoding="UTF-8"?>
<tag-value>
  <value>val1</value>
```



```
</tag-value>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<tag-value>
  <id type="integer">143</id>
  <value>val1</value>
  <tag-id type="integer">3</tag-id>
  <created-at type="dateTime">2018-08-15T14:27:24-04:00</created-at>
  <updated-at type="dateTime">2018-08-15T14:27:24-04:00</updated-at>
  <display-name nil="true"/>
</tag-value>
```

## Updating a Tag Value

```
PUT: https://beta.aimatch.com/tags/3/values/1.xml
```

or

```
PUT: https://beta.aimatch.com/tags/TagName/values/TagValue1.xml
```

**WARNING:** We do not recommend using the "tag\_value" url format tags with an 'Integer' data type. In this case, if a tag value 'A' with an 'id' of '123', and tag value 'B' with a 'value' of '123' will have the same url. Due to this ambiguity, we will always check for the tag value id first, and if request matches we will return that tag value.

**WARNING:** Tag values with URL Reserved Characters must be encoded.

```
<?xml version="1.0" encoding="UTF-8"?>
<tag-value>
  <value>val_new</value>
</tag-value>
```

The response will contain nothing but the status code will be 200.

The tag value now looks like this:

```
GET: https://beta.aimatch.com/tags/3/values/1.xml
<?xml version="1.0" encoding="UTF-8"?>
<tag-value>
  <id type="integer">1</id>
  <value>val_new</value>
  <tag-id type="integer">3</tag-id>
  <created-at type="dateTime">2018-08-08T15:17:22-04:00</created-at>
  <updated-at type="dateTime">2018-08-15T14:44:46-04:00</updated-at>
  <display-name nil="true"/>
</tag-value>
```

## Creating or updating Tag Values in a batch

```
POST: https://beta.aimatch.com/tags/3/values.xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<tag-values type="array">
  <tag-value>
    <value>val1</value>
  </tag-value>
  <tag-value>
    <value>val2</value>
  </tag-value>
  <tag-value>
    <value>val_new</value>
  </tag-value>
</tag-values>
```

Response (HTTP status: 200 if no errors; otherwise 422 with errors).

## Deleting a Tag Value in a Tag

```
DELETE: https://beta.aimatch.com/tags/3/values/142.xml
```

or

```
DELETE: https://beta.aimatch.com/tags/TagName/values/TagValue1.xml
```

**WARNING:** We do not recommend using the "tag\_value" url format tags with an 'Integer' data type. In this case, if a tag value 'A' with an 'id' of '123', and tag value 'B' with a 'value' of '123' will have the same url. Due to this ambiguity, we will always check for the tag value id first, and if request matches we will return that tag value.

**WARNING:** Tag values with URL Reserved Characters must be encoded.

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <id type="integer">142</id>
</hash>
response: 200
```

## Deleting Tag Values in a Tag in batch

NOTE: We have set a limit to 500 records per request. If the limit is exceeded, you will receive a 422 code.

```
DELETE: https://beta.aimatch.com/tags/3/values.xml
<?xml version="1.0" encoding="UTF-8"?>
<tag-values type="array">
  <tag-value>
    <value>val1</value>
  </tag-value>
  <tag-value>
    <id>258</id>
  </tag-value>
</tag-values>
```

Response (HTTP status: 200 if no errors; 404 if none of specified tag values found).

## Getting a list of Tag Value Aliases for a Tag Value

```
GET: https://beta.aimatch.com/tags/3/values/142/aliases.xml
```

XML Response:

```
<tag-value-aliases type="array">
  <tag-value-alias>
    <id type="integer">8</id>
    <tag-value-id type="integer">142</tag-value-id>
    <value>TagValue1Alias1</value>
    <created-at type="dateTime">2019-02-22T16:09:24-05:00</created-at>
    <updated-at type="dateTime">2019-02-25T09:53:23-05:00</updated-at>
  </tag-value-alias>
  <tag-value-alias>
    <id type="integer">9</id>
    <tag-value-id type="integer">142</tag-value-id>
    <value>TagValue1Alias2</value>
    <created-at type="dateTime">2019-02-22T16:09:24-05:00</created-at>
    <updated-at type="dateTime">2019-02-25T09:53:23-05:00</updated-at>
  </tag-value-alias>
</tag-value-aliases>
```

## Getting a Tag Value Alias for a Tag Value

```
GET: https://beta.aimatch.com/tags/3/values/142/aliases/119.xml
```

XML Response:

```
<tag-value-alias>
  <id type="integer">119</id>
  <tag-value-id type="integer">142</tag-value-id>
  <value>TagValue1Alias1</value>
  <created-at type="dateTime">2019-02-22T16:09:24-05:00</created-at>
  <updated-at type="dateTime">2019-02-25T09:53:23-05:00</updated-at>
</tag-value-alias>
```

## Creating a Tag Value Alias for a Tag Value

```
POST: https://beta.aimatch.com/tags/3/values/142/aliases.xml
```

```
<tag-value-alias>
  <value>TagValue1Alias1Create</value>
</tag-value-alias>
```

XML Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<tag-value-alias>
```

```
<id type="integer">4</id>
<tag-value-id type="integer">142</tag-value-id>
<value>TagValue1Alias1Create</value>
<created-at type="dateTime">2019-03-13T07:18:26+13:00</created-at>
<updated-at type="dateTime">2019-03-13T07:18:26+13:00</updated-at>
</tag-value-alias>
```

## Updating a Tag Value Alias for a Tag Value

```
PUT: https://beta.aimatch.com/tags/3/values/142/aliases/119.xml
<tag-value-alias>
  <id type="integer">119</id>
  <value>TagValue1Alias1Update</value>
</tag-value-alias>
```

The response will contain nothing but the status code will be 200.

## Creating or updating Tag Value Aliases in a batch for a Tag Value

```
POST: https://beta.aimatch.com/tags/3/values/142/aliases.xml
<?xml version="1.0" encoding="UTF-8"?>
<tag-value-aliases type="array">
  <tag-value-alias>
    <value>val1</value>
  </tag-value-alias>
  <tag-value-alias>
    <value>val_new</value>
  </tag-value-alias>
</tag-value-aliases>
```

Response (HTTP status: 200 if no errors; otherwise 422 with errors).

## Deleting a Tag Value Alias

```
DELETE: https://beta.aimatch.com/tags/3/values/142/aliases/119.xml
```

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <id type="integer">142</id>
</hash>

response: 200
```

# XML REST API: Targets

## Get a list of Targets

```
GET: https://beta.aimatch.com/targets.xml
```

XML Response:

```
<targets type="array">
  <target>
    <id type="integer">1</id>
    <name>TestTarget1</name>
  </target>
  <target>
    <id type="integer">2</id>
    <name>TestTarget2</name>
  </target>
  <target>
    <id type="integer">3</id>
    <name>TestTarget3</name>
  </target>
</targets>
```

This provides targets 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/targets.xml?page=3
```

## Get a specific Target

```
GET: https://beta.aimatch.com/targets/3.xml
```

XML Response:

```
<target>
  <created-at type="datetime">2011-02-17T15:48:34-05:00</created-at>
  <creator-id type="integer" nil="true"></creator-id>
  <description>TestTarget3 description</description>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTarget3</name>
  <updated-at type="datetime">2011-02-17T15:48:34-05:00</updated-at>
  <rules type="array">
    <rule type="TargetRule">
      <connector nil="true"></connector>
      <created-at type="datetime">2011-02-17T15:48:34-05:00</created-at>
      <id type="integer">9</id>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>DAYOFWEEK</left-value>
```

```

<lock-version type="integer">0</lock-version>
<operator>In</operator>
<position type="integer">1</position>
<right-parentheses-count type="integer">0</right-parentheses-count>
<right-value>TUESDAY,FRIDAY</right-value>
<target-id type="integer">3</target-id>
<updated-at type="datetime">2011-02-17T15:48:34-05:00</updated-at>
</rule>
<rule type="TargetRule">
  <connector>AND</connector>
  <created-at type="datetime">2011-02-17T15:48:34-05:00</created-at>
  <id type="integer">10</id>
  <left-parentheses-count type="integer">0</left-parentheses-count>
  <left-value>SITE</left-value>
  <lock-version type="integer">0</lock-version>
  <operator>Equals</operator>
  <position type="integer">2</position>
  <right-parentheses-count type="integer">0</right-parentheses-count>
  <right-value>TestSite1</right-value>
  <target-id type="integer">3</target-id>
  <updated-at type="datetime">2011-02-17T15:48:34-05:00</updated-at>
</rule>
</rules>
</target>

```

## Creating a Target

POST: <https://beta.aimatch.com/targets.xml>

```

<target>
  <description>TestTarget4 description</description>
  <name>TestTarget4</name>
  <rules-attributes type="array">
    <rule>
      <connector nil="true"></connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>DAYOFWEEK</left-value>
      <operator>In</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>MONDAY,TUESDAY,WEDNESDAY,THURSDAY,FRIDAY</right-value>
    </rule>
    <rule>
      <connector>AND</connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>SITE</left-value>
      <operator>Equals</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>TestSite2</right-value>
    </rule>
    <rule>
      <connector>AND</connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>

```

```

    <left-value>EVENT.new_event</left-value>
    <operator>Equals</operator>
    <position type="integer">3</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>3,0,300</right-value>
  </rule>
</rules-attributes>
</target>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<target>
  <created-at type="datetime">2011-03-03T13:31:14-05:00</created-at>
  <creator-id type="integer">1</creator-id>
  <description>TestTarget4 description</description>
  <id type="integer">4</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTarget4</name>
  <updated-at type="datetime">2011-03-03T13:31:14-05:00</updated-at>
  <rules type="array">
    <rule type="TargetRule">
      <connector nil="true"></connector>
      <created-at type="datetime">2011-03-03T13:31:14-05:00</created-at>
      <id type="integer">23</id>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>DAYOFWEEK</left-value>
      <lock-version type="integer">0</lock-version>
      <operator>In</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>MONDAY, TUESDAY, WEDNESDAY, THURSDAY, FRIDAY</right-value>
      <target-id type="integer">4</target-id>
      <updated-at type="datetime">2011-03-03T13:31:14-05:00</updated-at>
    </rule>
    <rule type="TargetRule">
      <connector>AND</connector>
      <created-at type="datetime">2011-03-03T13:31:14-05:00</created-at>
      <id type="integer">24</id>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>SITE</left-value>
      <lock-version type="integer">0</lock-version>
      <operator>Equals</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>TestSite2</right-value>
      <target-id type="integer">4</target-id>
      <updated-at type="datetime">2011-03-03T13:31:14-05:00</updated-at>
    </rule>
    <rule type="TargetRule">
      <connector>AND</connector>
      <created-at type="datetime">2015-10-23T15:29:24+01:00</created-at>
      <id type="integer">4866</id>
      <left-parentheses-count type="integer">0</left-parentheses-count>

```

```

<left-value>EVENT.new_event</left-value>
<lock-version type="integer">0</lock-version>
<operator>Equals</operator>
<position type="integer">3</position>
<right-parentheses-count type="integer">0</right-parentheses-count>
<right-value>3,0,300</right-value>
<target-id type="integer">4</target-id>
<updated-at type="datetime">2015-10-23T15:29:24+01:00</updated-at>
</rule>
</rules>
</target>

```

## Updating a Target

PUT: <https://beta.aimatch.com/targets/4.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<target>
  <description>updated TestTarget4 description</description>
  <id type="integer">4</id>
  <name>TestTarget4</name>
  <rules-attributes type="array">
    <rule>
      <connector nil="true"></connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <id type="integer">23</id>
      <left-value>DAYOFWEEK</left-value>
      <operator>In</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>SUNDAY,WEDNESDAY</right-value>
    </rule>
    <rule>
      <id type="integer">24</id>
      <connector>OR</connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>SITE</left-value>
      <operator>Equals</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>TestSite3</right-value>
    </rule>
  </rules-attributes>
</target>

```

The response will contain nothing but the status code will be 200.

The target now looks like this:

GET: <https://beta.aimatch.com/targets/4.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<target>
  <created-at type="datetime">2011-03-03T13:31:14-05:00</created-at>

```



```

<creator-id type="integer">1</creator-id>
<description>updated TestTarget4 description</description>
<id type="integer">4</id>
<lock-version type="integer">1</lock-version>
<name>TestTarget4</name>
<updated-at type="datetime">2011-03-03T13:48:22-05:00</updated-at>
<rules type="array">
  <rule type="TargetRule">
    <connector nil="true"></connector>
    <created-at type="datetime">2011-03-03T13:31:14-05:00</created-at>
    <id type="integer">23</id>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <left-value>DAYOFWEEK</left-value>
    <lock-version type="integer">1</lock-version>
    <operator>In</operator>
    <position type="integer">1</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>SUNDAY,WEDNESDAY</right-value>
    <target-id type="integer">10</target-id>
    <updated-at type="datetime">2011-03-03T13:48:22-05:00</updated-at>
  </rule>
  <rule type="TargetRule">
    <connector>OR</connector>
    <created-at type="datetime">2011-03-03T13:31:14-05:00</created-at>
    <id type="integer">24</id>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <left-value>SITE</left-value>
    <lock-version type="integer">1</lock-version>
    <operator>Equals</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>TestSite3</right-value>
    <target-id type="integer">10</target-id>
    <updated-at type="datetime">2011-03-03T13:48:22-05:00</updated-at>
  </rule>
</rules>
</target>

```

## XML REST API: Tiers

### Get a list of Tiers

GET: <https://beta.aimatch.com/tiers.xml>

XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<tiers type="array">
  <tier>
    <name>Tier1</name>
    <id type="integer">1</id>
  </tier>

```

```
</tiers>
```

This provides tiers 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/tiers.xml?page=2
```

## Get a specific Tier

```
GET: https://beta.aimatch.com/tiers/3.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<tier>
  <prioritization-method>CPM</prioritization-method>
  <grace-period type="integer" nil="true"/>
  <flags type="integer">0</flags>
  <created-at type="datetime">2014-07-02T16:20:49-04:00</created-at>
  <updated-at type="datetime">2014-07-02T16:20:49-04:00</updated-at>
  <preemptible type="boolean">>false</preemptible>
  <name>Tier2</name>
  <grace-period-priority type="decimal" nil="true"/>
  <rank type="integer">1</rank>
  <lock-version type="integer">0</lock-version>
  <active type="boolean">>true</active>
  <id type="integer">3</id>
  <override-raq-rule type="boolean">>false</override-raq-rule>
  <eliminate-duplicate-flights type="boolean">>false</eliminate-duplicate-
flights>
  <eliminate-duplicate-advertisers type="boolean">>false</eliminate-
duplicate-advertisers>
  <multi-variant type="boolean">>false</multi-variant>
  <team-ids type="array"/>
  <target-id type="integer">1</target-id>
  <biddable type="boolean">>false</biddable>
  <pmpenabled type="boolean">>false</pmpenabled>
  <preferred-deal>compete all</preferred-deal>
  <first-right-deal>compete all</first-right-deal>
  <private-deal>compete all</private-deal>
  <guaranteed-deal>compete all</guaranteed-deal>
  <bid-floor></bid-floor>
  <time-before-end type="integer">172800</time-before-end>
  <time-before-end-tier-id type="integer">1</time-before-end-tier-id>
  <behind-schedule-priority type="float">0.4</behind-schedule-priority>
  <behind-schedule-priority-tier-id type="integer">10</behind-schedule-
priority-tier-id>
  <target>
    <id type="integer">1</id>
    <name>Target1</name>
    <description nil="true"/>
    <definition></definition>
    <creator-id type="integer">7</creator-id>
```

```
<deleted-at type="dateTime" nil="true"/>
<created-at type="dateTime">2018-12-03T16:18:17-05:00</created-at>
<updated-at type="dateTime">2018-12-03T16:18:17-05:00</updated-at>
<lock-version type="integer">0</lock-version>
<ad-hoc type="boolean">>false</ad-hoc>
<rules type="array"/>
</target>
</tier>
```

## Creating a Tier

```
POST: https://beta.aimatch.com/tiers.xml
<?xml version="1.0"?>
<tier>
  <name>Tier3</name>
  <active>true</active>
  <prioritization-method>Schedule</prioritization-method>
  <grace-period>10</grace-period>
  <grace-period-priority>0.5</grace-period-priority>
  <override-raq-rule>true</override-raq-rule>
  <eliminate-duplicate-flights>true</eliminate-duplicate-flights>
  <eliminate-duplicate-advertisers>true</eliminate-duplicate-advertisers>
  <multi-variant>true</multi-variant>
  <target-id>1</target-id>
  <rank>1</rank>
  <preemptible>true</preemptible>
  <time-before-end>172800</time-before-end>
  <time-before-end-tier-id>1</time-before-end-tier-id>
  <behind-schedule-priority>0.4</behind-schedule-priority>
  <behind-schedule-priority-tier-id>10</behind-schedule-priority-tier-id>
  <team-ids type="array">
    <team-id>1</team-id>
    <team-id>2</team-id>
  </team-ids>
</tier>
```

Response (HTTP status: 201 Created):

```
Location: http://www.example.com/tiers/1
```

## Updating a Tier

```
PUT: https://beta.aimatch.com/tiers/4.xml
<?xml version="1.0"?>
<tier>
  <id>4</id>
  <name>Tier5</name>
</tier>
```

The response will contain nothing but the status code will be 200.

# XML REST API: Supertags

NOTE: The id in the path of the URL can also be substituted for the value of the super tag.

Because of this the allowed characters in the value field are limited to letters, numbers, dashes, dots, and underscores.

## Get a list of Supertags

```
GET: https://beta.aimatch.com/supertag_values.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<supertag-values type="array">
  <supertag-value>
    <id type="integer">6</id>
    <pathinfo>/site=pb</pathinfo>
    <value>hottub1</value>
  </supertag-value>
  <supertag-value>
    <id type="integer">14</id>
    <pathinfo/>
    <value>hottub10</value>
  </supertag-value>
  <supertag-value>
    <id type="integer">15</id>
    <pathinfo/>
    <value>hottub11</value>
  </supertag-value>
</supertag-values>
```

This provides supertags 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/supertag_values.xml?page=2
```

## Get a specific Supertag

```
GET: https://beta.aimatch.com/supertag_values/6.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<supertag-value>
  <created-at type="datetime">2015-02-26T08:37:54+13:00</created-at>
  <id type="integer">6</id>
  <lock-version type="integer">0</lock-version>
  <pathinfo>/site=pb</pathinfo>
  <target-id type="integer" nil="true"/>
```

```
<updated-at type="datetime">2015-02-26T08:37:54+13:00</updated-at>
<value>hottub1</value>
</supertag-value>
```

## Creating a Supertag

NOTE: The allowed characters in the value field are limited to letters, numbers, dashes, dots, and underscores

A limit of 1000 supertag values may be created. When exceeding this limit the request to create a supertag value will respond with a 422 response code.

```
POST: https://beta.aimatch.com/supertag_values.xml
<?xml version="1.0" encoding="UTF-8"?>
<supertag-value>
  <pathinfo>site=sp/area=a</pathinfo>
  <value>super1</value>
  <target-id>1</target-id>
</supertag-value>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<supertag-value>
  <created-at type="datetime">2015-02-28T09:05:21+13:00</created-at>
  <id type="integer">36</id>
  <lock-version type="integer">0</lock-version>
  <pathinfo>site=sp/area=a</pathinfo>
  <target-id type="integer">1</target-id>
  <updated-at type="datetime">2015-02-28T09:05:21+13:00</updated-at>
  <value>super1</value>
</supertag-value>
```

## Updating a Supertag

```
PUT: https://beta.aimatch.com/supertag_values/36.xml
<?xml version="1.0" encoding="UTF-8"?>
<supertag-value>
  <pathinfo>site=sp/area=b</pathinfo>
  <value>super1</value>
  <target-id>1</target-id>
</supertag-value>
```

The response will contain nothing but the status code will be 200.

The supertag now looks like this:

```
GET: https://beta.aimatch.com/supertag_values/36.xml
<?xml version="1.0" encoding="UTF-8"?>
<supertag-value>
  <created-at type="datetime">2015-02-28T09:05:21+13:00</created-at>
  <id type="integer">36</id>
  <lock-version type="integer">1</lock-version>
  <pathinfo>site=sp/area=b</pathinfo>
```

```
<target-id type="integer">1</target-id>
<updated-at type="datetime">2015-02-28T09:16:17+13:00</updated-at>
<value>super1</value>
</supertag-value>
```

## Creating or updating Supertags in a batch

A limit of 1000 supertag values may be created. When exceeding this limit the request to create a supertag value will respond with a 422 response code.

```
POST: https://beta.aimatch.com/supertag_values.xml
<?xml version="1.0" encoding="UTF-8"?>
<supertag-values type="array">
  <supertag-value>
    <pathinfo>site=sp/area=a</pathinfo>
    <value>super1</value>
    <target-id>1</target-id>
  </supertag-value>
  <supertag-value>
    <pathinfo></pathinfo>
    <value>super2</value>
    <target-id>1</target-id>
  </supertag-value>
</supertag-values>
```

Response (HTTP status: 200 if no errors; otherwise 422 with errors):

## Deleting a Supertag

```
DELETE: https://beta.aimatch.com/supertag_values/36.xml
```

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <id type="integer">36</id>
</hash>
response: 200
```

## Deleting Supertags in batch

When deleting supertag values in batch it is possible to specify which value to delete by either the 'id' or the 'value' of the supertag value. The values to delete will be ignored if they do not exist. The API will respond with success if any specified value could be deleted. It will respond with a 404 status code if none of the specified values are found.

When writing programs to delete in batch, accept both 200 and 404 response codes as a measure of success.

Whether knowing that all specified values do not exist, and therefore a 404 was returned is important to your application or not is left up to you.

NOTE: We have set a limit to 500 records per request to help keep the transaction time below 2 seconds.

```
DELETE: https://beta.aimatch.com/supertag_values.xml
<?xml version="1.0" encoding="UTF-8"?>
<supertag-values type="array">
```

```
<supertag-value>
  <value>super1</value>
</supertag-value>
<supertag-value>
  <id>2</id>
</supertag-value>
</supertag-values>
```

Response (HTTP status: 200 if no errors; otherwise 4xx with errors):

## XML REST API: Labels

### Get a list of Labels

```
GET: https://beta.aimatch.com/labels.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<labels type="array">
  <label>
    <display-name>ms</display-name>
    <id type="integer">6</id>
    <name>companies</name>
  </label>
</labels>
```

This provides labels 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/labels.xml?page=2
```

### Get a specific Label

```
GET: https://beta.aimatch.com/labels/6.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<label>
  <created-at type="datetime">2016-11-30T16:15:33-05:00</created-at>
  <display-name>ms</display-name>
  <id type="integer">6</id>
  <name>companies</name>
  <updated-at type="datetime">2016-12-01T16:06:38-05:00</updated-at>
</label>
```

## Creating a Label

```
POST: https://beta.aimatch.com/labels.xml
<?xml version="1.0" encoding="UTF-8"?>
<label>
  <name>Label1</name>
  <display-name>Label1_Display_Name</display-name>
</label>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<label>
  <created-at type="datetime">2016-12-03T16:15:33-05:00</created-at>
  <display-name>Label1_Display_Name</display-name>
  <id type="integer">7</id>
  <name>Label1</name>
  <updated-at type="datetime">2016-12-03T16:06:38-05:00</updated-at>
</label>
```

## Updating a Label

```
PUT: https://beta.aimatch.com/labels/6.xml
<?xml version="1.0" encoding="UTF-8"?>
<label>
  <name>Label_New</name>
  <display-name>Label_New_Display_Name</display-name>
</label>
```

The response will contain nothing but the status code will be 200.

The label now looks like this:

```
GET: https://beta.aimatch.com/labels/6.xml
<?xml version="1.0" encoding="UTF-8"?>
<label>
  <created-at type="datetime">2016-12-03T16:15:33-05:00</created-at>
  <display-name>Label_New_Display_Name</display-name>
  <id type="integer">6</id>
  <name>Label_New</name>
  <updated-at type="datetime">2016-12-03T16:06:38-05:00</updated-at>
</label>
```

## Deleting a Label

```
DELETE: https://beta.aimatch.com/labels/6.xml
```

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
```



```
<hash>
  <id type="integer">6</id>
</hash>
response: 200
```

## JSON REST API: Connectors & Endpoints

You will need to reference Network Adapter Types:

Id	Name
1	Generic
2	SAS Intelligent Decisioning

## Connectors

### Get a list of Connectors

```
GET: https://beta.aimatch.com/connectors.json
```

JSON Response:

```
{
  "records": [
    {
      "id": 1,
      "name": "asdf",
      "active": true,
      "updated_at": "2020-06-04T12:26:44.000-10:00",
      "modifying_user": "Your Name",
      "number_of_endpoints": 1
    },
    {
      "id": 3,
      "name": "asdfasf",
      "active": true,
      "updated_at": "2020-06-05T04:58:08.000-10:00",
      "modifying_user": "Your Name",
      "number_of_endpoints": 0
    },
    {
      "id": 4,
      "name": "asdfd",
```

```
    "active":true,
    "updated_at":"2020-06-05T09:33:49.000-10:00",
    "modifying_user":"Your Name",
    "number_of_endpoints":2
  }
]
```

## Get a specific Connector

GET: <https://beta.aimatch.com/ads/connectors/2.json>

JSON Response:

```
{
  "id":1,
  "name":"asdf",
  "description":"",
  "active":true,
  "networkAdapterTypeId":1,
  "user_id":2,
  "updated_at":"2020-06-04T12:26:44.000-10:00",
  "modifying_user":"Support User",
  "number_of_endpoints":1
}
```

## Create a Connector

POST: <https://beta.aimatch.com/connectors.json>

```
{
  "connector":{
    "name":"CONN1",
    "description":"Connection Description",
    "active":"true",
    "networkAdapterTypeId":1
  }
}
```

Response (HTTP status: 201 Created):

```
{
  "connector":{
    "name":"CONN1",
    "description":"Connection Description",
```

```
    "active": "true",
    "networkAdapterTypeId": 1,
    "modifying_user": "Your Name",
    "number_of_endpoints": 0
  }
}
```

## Update a Connector

PUT: <https://beta.aimatch.com/ads/connectors/2.json>

```
{
  "connector": {
    "id": 5,
    "name": "CONN1",
    "description": "Connection Description",
    "active": "true",
    "networkAdapterTypeId": 1
  }
}
```

The response will contain nothing but the status code will be 200.

## Delete a Connector

DELETE: <https://beta.aimatch.com/ads/connectors/3.json>

Response (HTTP status: 200 OK):

## Endpoints

**NOTE:** For endpoints, you will need to always include an `endpointTypeId` attribute with a value of 1. This is to support forward compatibility.

### Get a list of Endpoints for a Connector

GET: <https://beta.aimatch.com/connectors.json>

JSON Response:

```
{
  "records": [
    {
```

```
    "id":1,
    "name":"Endpoint1",
    "active":true
  },
  {
    "id":11,
    "name":"Endpoint2",
    "active":true
  },
  {
    "id":12,
    "name":"Endpoint3",
    "active":true
  }
]
}
```

## Get a specific Endpoint

GET: <https://beta.aimatch.com/ads/connectors/1/endpoints/2.json>

JSON Response:

```
{
  "id":2,
  "connectorId":1,
  "connectorName":"Connector1",
  "name":"Endpoint1",
  "description":"",
  "active":true,
  "endpointTypeId": 1,
  "mimeTypeId":2,
  "targetId":null,
  "requestMethod":"GET",
  "requestUrl":"http://www.example.org",
  "authType":"OAUTH2",
  "authToken":null,
  "authUser":"login",
  "authPass":"password",
  "authLocation":null,
  "authTtl":null,
  "authRefreshToken":null,
  "authRefreshUrl":"http://refresh.example.org",
  "authClientId":"ABC123",
  "authClientSecret":"ABC123456789",
  "endpointHeaders":[],
  "endpointTokens":[]
}
```

## Create an Endpoint

POST: <https://beta.aimatch.com/ads/connectors/1/endpoints/2.json>

```
{
  "endpoint":{
    "name":"ENDPOINT-NEW",
    "description":"",
    "endpointTypeId": 1,
    "active":true,
    "targetId":1,
    "requestUrl":"http://example.org",
    "requestMethod":"GET",
    "request_body":"",
    "authType":"NOAUTH",
    "mimeTypeId":1,
    "endpointHeaders":[
      {
        "key":"Custom-Header",
        "value":"Header value",
        "description":""
      }
    ],
    "endpointTokens":[
      {
        "tagId":"4",
        "token":"token value",
        "description":""
      }
    ]
  }
}
```

Response (HTTP status: 201 Created):

## Update an Endpoint

PUT: <https://beta.aimatch.com/ads/connectors/1/endpoints/2.json>

```
{
  "endpoint":{
    "id":13,
    "connectorId":1,
    "name":"ENDPOINT-NEW-Update",
    "description":"",
    "active":true,
    "endpointTypeId": 1,
  }
}
```

```

    "mimeTypeId":1,
    "targetId":1,
    "requestMethod":"GET",
    "requestUrl":"http://example.org",
    "authType":"NOAUTH",
    "authToken":null,
    "authUser":null,
    "authPass":null,
    "authLocation":null,
    "authTtl":null,
    "authRefreshToken":null,
    "authRefreshUrl":null,
    "authClientId":null,
    "authClientSecret":null,
    "connectorName":"asdf",
    "endpointHeaders":[
      {
        "id":9,
        "endpointId":13,
        "key":"Custom-Header",
        "value":"Header value",
        "description":""
      },
      {
        "key":"2nd-Customer-Header",
        "value":"New Value","description":""
      }
    ],
    "endpointTokens":[
      {
        "id":3,
        "endpointId":13,
        "tagId":4,
        "token":"token value",
        "description":""
      }
    ]
  }
}

```

The response will contain nothing but the status code will be 200.

## Delete an Endpoint

```
DELETE: https://beta.aimatch.com/ads/connectors/1/endpoints/3.json
```

Response (HTTP status: 200 OK):

## XML REST API: Placements

- [Get a list of Placements](#)

- [Get a specific Placement](#)
- [Create a Placement](#)
- [Update a Placement](#)
- [Delete a Placement](#)
- [Get a list of Network Placements \(Network Participation\)](#)
- [Create/Update Network Placements \(Network Participation\)](#)
- [Get a list of Placement Floor Prices](#)
- [Create/Update Placement Floor Prices](#)

Here is a list of Networks that you can use.

id	name
10	headerbid
2	pubMatic
5	rubicon
10005	el-test2
10002	EL_Network
10004	EI_T
10003	Index-el
10001	RubyTest

## Get a list of Placements

GET: <https://beta.aimatch.com/placements.xml>

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<placements type="array">
  <placement>
    <id type="integer">1</id>
    <name>P1</name>
```

```
</placement>
</placements>
```

This provides placements 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/placements.xml?page=2
```

## Get a specific Placement

```
GET: https://beta.aimatch.com/placements/1.xml
```

XML Response:

```
<placement>
  <id type="integer">1</id>
  <name>P1</name>
  <target-id type="integer">1</target-id>
  <size-id type="integer">12</size-id>
  <device>web</device>
  <default-floor-price type="decimal">0.1</default-floor-price>
  <lock-version type="integer">8</lock-version>
  <created-at type="dateTime">2019-05-31T04:19:48+10:00</created-at>
  <updated-at type="dateTime">2020-04-14T05:20:18+10:00</updated-at>
  <parent-placement-id type="integer" nil="true"/>
  <use_full_bid_response>false</use_full_bid_response>
  <size-ids type="array">
    <size-id type="integer">5</size-id>
  </size-ids>
  <site-ids type="array">
    <site-id type="integer">1</site-id>
  </site-ids>
  <network-placements type="array">
    <network-placement>
      <id type="integer">1</id>
      <network-id type="integer">5</network-id>
      <placement-id type="integer">1</placement-id>
      <site-id type="integer">1</site-id>
      <placement-key>site1.com</placement-key>
      <site-override/>
      <lock-version type="integer">2</lock-version>
      <created-at type="dateTime">2019-05-31T04:34:16+10:00</created-at>
      <updated-at type="dateTime">2020-04-09T03:40:42+10:00</updated-at>
    </network-placement>
    <network-placement>
      <id type="integer">8</id>
      <network-id type="integer">3</network-id>
      <placement-id type="integer">1</placement-id>
      <site-id type="integer">2</site-id>
      <placement-key>{ "name": "foo", "version": "1.0" }</placement-key>
      <site-override/>
      <lock-version type="integer">1</lock-version>
      <created-at type="dateTime">2019-11-21T07:08:26+11:00</created-at>
```



```

    <updated-at type="dateTime">2019-11-21T07:09:46+11:00</updated-at>
  </network-placement>
</network-placements>
<placement-floor-prices type="array">
  <placement-floor-price>
    <id type="integer">1</id>
    <network-id type="integer">5</network-id>
    <placement-id type="integer">1</placement-id>
    <tier-id type="integer">1</tier-id>
    <floor-price type="decimal">0.15</floor-price>
    <lock-version type="integer">5</lock-version>
    <created-at type="dateTime">2019-05-31T04:47:54+10:00</created-at>
    <updated-at type="dateTime">2020-03-13T08:44:00+11:00</updated-at>
  </placement-floor-price>
  <placement-floor-price>
    <id type="integer">4</id>
    <network-id type="integer">3</network-id>
    <placement-id type="integer">1</placement-id>
    <tier-id type="integer">1</tier-id>
    <floor-price type="decimal">0.1</floor-price>
    <lock-version type="integer">3</lock-version>
    <created-at type="dateTime">2019-11-21T05:51:25+11:00</created-at>
    <updated-at type="dateTime">2020-03-13T08:15:35+11:00</updated-at>
  </placement-floor-price>
</placement-floor-prices>
</placement>

```

## Create a Placement

POST: <https://beta.aimatch.com/placements.xml>

### XML Request:

```

<?xml version="1.0" encoding="UTF-8"?>
<placement>
  <name>Placement_1</name>
  <target-id type="integer">1</target-id>
  <size-id type="integer">8</size-id>
  <device>web</device>
  <default-floor-price type="decimal">0.1</default-floor-price>
  <parent-placement-id type="integer" nil="true"/>
  <use_full_bid_response type="boolean">false</use_full_bid_response>
  <size-ids type="array">
    <size-id type="integer">5</size-id>
  </size-ids>
  <site-ids type="array">
    <site-id type="integer">1</site-id>
  </site-ids>
</placement>

```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<placement>
  <id type="integer">11</id>
  <name>Placement_1</name>
  <target-id type="integer">1</target-id>
  <size-id type="integer">8</size-id>
  <device>web</device>
  <default-floor-price type="decimal">0.1</default-floor-price>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2020-04-16T06:55:55+10:00</created-at>
  <updated-at type="dateTime">2020-04-16T06:55:55+10:00</updated-at>
  <parent-placement-id type="integer" nil="true"/>
  <use_full_bid_response>false</use_full_bid_response>
  <size-ids type="array">
    <size-id type="integer">5</size-id>
  </size-ids>
  <site-ids type="array">
    <site-id type="integer">1</site-id>
  </site-ids>
  <network-placements type="array"/>
  <placement-floor-prices type="array"/>
</placement>
```

## Update a Placement

PUT: <https://beta.aimatch.com/placements/11.xml>

XML Request:

```
<?xml version="1.0" encoding="UTF-8"?>
<placement>
  <name>Placement_1_updated</name>
  <target-id type="integer">1</target-id>
  <size-id type="integer">8</size-id>
  <device>web</device>
  <default-floor-price type="decimal">0.1</default-floor-price>
  <parent-placement-id type="integer" nil="true"/>
  <use_full_bid_response>false</use_full_bid_response>
  <size-ids type="array">
    <size-id type="integer">5</size-id>
  </size-ids>
  <site-ids type="array">
    <site-id type="integer">1</site-id>
  </site-ids>
</placement>
```

The response will contain nothing but the status code will be 200.

## Delete a Placement

DELETE: <https://beta.aimatch.com/placements/1.xml>

The response status code will be 200.

## Get a list of Network Placements (Network Participation)

GET: [https://beta.aimatch.com/placements/1/network\\_participation.xml](https://beta.aimatch.com/placements/1/network_participation.xml)

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<network-placements type="array">
  <network-placement>
    <id type="integer">1</id>
    <network-id type="integer">5</network-id>
    <placement-id type="integer">1</placement-id>
    <site-id type="integer">1</site-id>
    <placement-key>sitel.com</placement-key>
    <site-override/>
    <lock-version type="integer">2</lock-version>
    <created-at type="dateTime">2019-05-31T04:34:16+10:00</created-at>
    <updated-at type="dateTime">2020-04-09T03:40:42+10:00</updated-at>
  </network-placement>
  <network-placement>
    <id type="integer">8</id>
    <network-id type="integer">3</network-id>
    <placement-id type="integer">1</placement-id>
    <site-id type="integer">2</site-id>
    <placement-key>{ "name": "foo", "version": "1.0" }</placement-key>
    <site-override/>
    <lock-version type="integer">1</lock-version>
    <created-at type="dateTime">2019-11-21T07:08:26+11:00</created-at>
    <updated-at type="dateTime">2019-11-21T07:09:46+11:00</updated-at>
  </network-placement>
</network-placements>
```

## Create/Update Network Placements (Network Participation)

PUT: [https://beta.aimatch.com/placements/1/network\\_participation.xml](https://beta.aimatch.com/placements/1/network_participation.xml)

XML Request:

Both Site and Network are required. A Site must be mapped to Network. A Network must have placement enabled.

```
<?xml version="1.0" encoding="UTF-8"?>
<network-placements type="array">
```

```

<network-placement>
  <network-id type="integer">5</network-id>
  <site-id type="integer">1</site-id>
  <placement-key>site.com</placement-key>
  <site-override/>
</network-placement>
<network-placement>
  <network-id type="integer">3</network-id>
  <site-id type="integer">2</site-id>
  <placement-key>{ "name": "foo", "version": "2.0" }</placement-key>
  <site-override/>
</network-placement>
</network-placements>

```

The response will contain nothing but the status code will be 200.

## Get a list of Placement Floor Prices

```
GET: https://beta.aimatch.com/placements/1/floor_prices.xml
```

XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<placement-floor-prices type="array">
  <placement-floor-price>
    <id type="integer">1</id>
    <network-id type="integer">5</network-id>
    <placement-id type="integer">1</placement-id>
    <tier-id type="integer">1</tier-id>
    <floor-price type="decimal">0.14</floor-price>
    <lock-version type="integer">2</lock-version>
    <created-at type="dateTime">2019-05-31T04:47:54+10:00</created-at>
    <updated-at type="dateTime">2020-03-10T07:10:45+11:00</updated-at>
  </placement-floor-price>
</placement-floor-prices>

```

## Create/Update Placement Floor Prices

```
PUT: https://beta.aimatch.com/placements/1/floor_prices.xml
```

XML Request:

Both Tier and Network are required. A Tier must be biddable. A Network must have placement enabled.

```

<?xml version="1.0" encoding="UTF-8"?>
<placement-floor-prices type="array">
  <placement-floor-price>
    <network-id type="integer">5</network-id>
    <tier-id type="integer">1</tier-id>

```

```
<floor-price type="decimal">0.15</floor-price>
</placement-floor-price>
<placement-floor-price>
  <network-id type="integer">3</network-id>
  <tier-id type="integer">3</tier-id>
  <floor-price type="decimal">0.22</floor-price>
</placement-floor-price>
</placement-floor-prices>
```

The response will contain nothing but the status code will be 200.

## Sales

# XML REST API: Check Availability

## Check availability with a Line Item ID

GET or PUT:

```
https://beta.aimatch.com/check_inventory.xml?entity_name=line_item&flight_breakdown=1
```

The value of *flight\_breakdown* can be 0 or 1. When *flight\_breakdown* = 1, the response includes the contending flights.

You may also do GET or PUT to the following alternative, and newer, endpoints, with notes:

- - [https://beta.aimatch.com/flights/1/check\\_inventory.xml](https://beta.aimatch.com/flights/1/check_inventory.xml)
  - No noticeable changes.
- - [https://beta.aimatch.com/line\\_items/1/check\\_inventory.xml](https://beta.aimatch.com/line_items/1/check_inventory.xml)
- - [https://beta.aimatch.com/proposals/1/line\\_items/1/check\\_inventory.xml](https://beta.aimatch.com/proposals/1/line_items/1/check_inventory.xml)
  - Adds *flight\_id* to the request when line item has been converted already. Will not affect the normal availability results returned, but may return additional fields such as:
    - **PastServed** will be returned if the flight has served content before today.
    - **Reserved** will be returned if the flight is in a non-preemptible tier, and simulation forecast shows that it will serve content.

Request Body data to send:

```
<line-item>
  <id type="integer">9</id>
</line-item>
```

XML Response when the job runs in the background:

```
<InventoryResponse>
  <JobId>82105f2947a6432f3819169763d7f921</JobId>
  <ProgressbarEnabled type="boolean">>false</ProgressbarEnabled>
  <Email>[User email]</Email>
</InventoryResponse>
```

You can periodically issue the following request to check and retrieve the result.

GET:

```
https://beta.aimatch.com/check_inventory.xml?job_id=82105f2947a6432f3819169763d7f921
```

XML Response when the job does not run in the background:

```

<?xml version="1.0" encoding="UTF-8"?>
<InventoryResponse>
  <Available type="integer">100000000</Available>
  <Total type="integer">200000000</Total>
  <Reserved type="integer">100000000</Reserved>
  <Error nil="true"/>
  <Status nil="true"/>
  <Flights type="array">
    <Flight>
      <Id type="integer">16</Id>
      <CampaignId type="integer">10</CampaignId>
      <Name>men_and_pro_globo_3</Name>
      <Projected type="integer">123456</Projected>
      <Url>/flights/16/edit</Url>
    </Flight>
    <Flight>
      <Id type="integer">9</Id>
      <CampaignId type="integer">11</CampaignId>
      <Name>gran_health_burleigh_1</Name>
      <Projected type="integer">123432</Projected>
      <Url>/flights/9/edit</Url>
    </Flight>
  </Flights>
  <FlightBreakdownHtml>
    (HTML escaped view characters)
  </FlightBreakdownHtml>
</InventoryResponse>

```

## Check availability based on Line Item attributes, no ID

```

GET or PUT:
https://beta.aimatch.com/check_inventory.xml?entity_name=line_item&flight_breakdown=1
<line-item>
  <start-date-date>2015-01-28</start-date-date>
  <end-date-date>2015-02-28</end-date-date>
  <product-id type="integer">2</product-id>
  <size-id type="integer">2</size-id>
  <site-ids type="array">
    <id>1</id>
    <id>11</id>
  </site-ids>
  <area-ids type="array"></area-ids>
  <tag-value-ids type="array">
    <id>1</id>
    <id>2</id>
    <id>41688</id>
  </tag-value-ids>
  <geo-tag-value-ids type="array">
    <id>5162</id>
    <id>146168</id>
  </geo-tag-value-ids>
  <targets-group-logic>AND</targets-group-logic>

```

```

<target-ids type="array">
  <id>12</id>
  <id>52</id>
</target-ids>
<ad-hoc-target-attributes>
  <id type="integer">366</id>
</ad-hoc-target-attributes>
<exposure-policy-attributes>
  <id type="integer">2</id>
  <impressions-quantity type="integer">3</impressions-quantity>
  <impressions-period type="integer">10800</impressions-period>
  <impressions-per-session type="integer">10</impressions-per-session>
  <impressions-lifetime type="integer">100</impressions-lifetime>
</exposure-policy-attributes>
</line-item>

```

XML Response when the job runs in the background:

```

<InventoryResponse>
  <JobId>77b3dad97aa10862ec12097f633205a3</JobId>
  <ProgressbarEnabled type="boolean">>false</ProgressbarEnabled>
  <Email>[User email]</Email>
</InventoryResponse>

```

You can periodically issue the following request to check and retrieve the result.

```

GET:
https://beta.aimatch.com/check_inventory.xml?job_id=77b3dad97aa10862ec12097f633205a3

```

XML Response when the job does not run in the background:

```

<?xml version="1.0" encoding="UTF-8"?>
<InventoryResponse>
  <Available type="integer">100000000</Available>
  <Total type="integer">200000000</Total>
  <Reserved type="integer">100000000</Reserved>
  <Error nil="true"/>
  <Status nil="true"/>
  <Flights type="array">
    <Flight>
      <Id type="integer">16</Id>
      <CampaignId type="integer">10</CampaignId>
      <Name>men_and_pro_globo_3</Name>
      <Projected type="integer">123456</Projected>
      <Url>/flights/16/edit</Url>
    </Flight>
    <Flight>
      <Id type="integer">9</Id>
      <CampaignId type="integer">11</CampaignId>
      <Name>gran_health_burleigh_1</Name>
      <Projected type="integer">123432</Projected>
      <Url>/flights/9/edit</Url>
    </Flight>
  </Flights>

```



```
</Flights>
<FlightBreakdownHtml>
  (HTML escaped view characters)
</FlightBreakdownHtml>
</InventoryResponse>
```

## XML REST API: Products

### About Ad-Hoc Targeting With Product

To include ad-hoc targeting for a Product -- which adds "in-line" sites and areas to product targeting -- you MUST include the "targeting-type" attribute with a value of "Ad-hoc" when creating or updating a product via the API.

By default the value of the 'targeting-type' attribute is 'None'. When this value is set, the sites and areas of a product are no longer associated with the product.

### Get a list of Products

```
GET: https://beta.aimatch.com/products.xml
```

XML Response:

```
<products type="array">
  <product>
    <id type="integer">1</id>
    <name>TestProduct1</name>
  </product>
  <product>
    <id type="integer">2</id>
    <name>TestProduct2</name>
  </product>
  <product>
    <id type="integer">3</id>
    <name>TestProduct3</name>
  </product>
</products>
```

This provides products 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/products.xml?page=3
```

### Get a specific Product

```
GET: https://beta.aimatch.com/products/3.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
```

```

<product>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
  <description nil="true"></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>
  <goal-rate type="decimal" nil="true"></goal-rate>
  <id type="integer">3</id>
  <list-rate type="decimal">5.25</list-rate>
  <lock-version type="integer">1</lock-version>
  <name>TestProduct3</name>
  <rate-style>additional</rate-style>
  <rate-type nil="true"></rate-type>
  <targeting-type>Ad-hoc</targeting-type>
  <targets-group-logic>OR</targets-group-logic>
  <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
  <tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-period-priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
  </tier>
  <areas type="array">
    <area>
      <id type="integer">10</id>
      <name>Area 123</name>
    </area>
  </areas>
  <sites type="array">
    <site>
      <id type="integer">10</id>
      <name>siteA.com</name>
    </site>
  </sites>
  <teams type="array">
    <team>
      <name>US</name>
      <id type="integer">4</id>
    </team>
    <team>
      <name>UK</name>
      <id type="integer">5</id>
    </team>
  </teams>
  <sizes type="array">
    <size>
      <id type="integer">10</id>
      <name>160x230</name>
    </size>
  </sizes>

```

```

</sizes>
<exposure-policy>
  <clicks-lifetime type="integer">10</clicks-lifetime>
  <clicks-period type="integer">30001</clicks-period>
  <clicks-quantity type="integer">10</clicks-quantity>
  <conversions-lifetime type="integer">10</conversions-lifetime>
  <conversions-period type="integer">18001</conversions-period>
  <conversions-quantity type="integer">5</conversions-quantity>
  <created-at type="datetime">2018-08-02T13:14:52-04:00</created-at>
  <id type="integer">2</id>
  <impressions-lifetime type="integer">10</impressions-lifetime>
  <impressions-per-session type="integer">10</impressions-per-session>
  <impressions-period type="integer">10</impressions-period>
  <impressions-quantity type="integer">10</impressions-quantity>
  <updated-at type="datetime">2018-08-02T13:14:52-04:00</updated-at>
  <views-lifetime type="integer" nil="true" />
  <views-per-session type="integer" nil="true" />
  <views-period type="integer" nil="true" />
  <views-quantity type="integer" nil="true" />
</exposure-policy>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1045</id>
    <name>named_exposure_policy</name>
  </exposure-policy>
</exposure-policies>
<targets type="array">
  <target>
    <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
    <creator-id type="integer" nil="true"></creator-id>
    <description nil="true"></description>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>rfp_3_prop_1_prod_1_tar_1</name>
    <product-id type="">3</product-id>
    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-at>
    <rules type="array">
      <rule type="TargetRule">
        <connector nil="true"></connector>
        <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
        <id type="integer">35</id>
        <left-parentheses-count type="integer">0</left-parentheses-count>
        <left-value>AREA</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>Equals</operator>
        <position type="integer">1</position>
        <right-parentheses-count type="integer">0</right-parentheses-count>
        <right-value>Blog</right-value>
        <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-at>
      </rule>
      <rule type="TargetRule">
        <connector>AND</connector>
        <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
        <id type="integer">36</id>
        <left-parentheses-count type="integer">1</left-parentheses-count>
        <left-value>DAYOFWEEK</left-value>

```

```

    <lock-version type="integer">0</lock-version>
    <operator>In</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-at>
  </rule>
</rules>
</target>
</targets>
</product>

```

## Creating a Product (with nested items)

POST: <https://beta.aimatch.com/products.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<product>
  <name>TestProduct4</name>
  <description>Test Product 4</description>
  <list-rate type="decimal">3.21</list-rate>
  <rate-style>additional</rate-style>
  <rate-type>CPM</rate-type>
  <tier-id type="integer">3</tier-id>
  <targets-group-logic>OR</targets-group-logic>
  <targets-attributes type="array">
    <target>
      <description>prod 4 target 1 description</description>
      <name>prod_4_tar_1</name>
      <rules-attributes type="array">
        <rule>
          <connector nil="true"></connector>
          <left-parentheses-count type="integer">0</left-parentheses-count>
          <left-value>AREA</left-value>
          <operator>Equals</operator>
          <position type="integer">1</position>
          <right-parentheses-count type="integer">0</right-parentheses-count>
          <right-value>Blog</right-value>
        </rule>
        <rule>
          <connector>AND</connector>
          <left-parentheses-count type="integer">1</left-parentheses-count>
          <left-value>DAYOFWEEK</left-value>
          <operator>In</operator>
          <position type="integer">2</position>
          <right-parentheses-count type="integer">0</right-parentheses-count>
          <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
        </rule>
      </rules-attributes>
    </target>
    <target>
      <description>prod 4 target 2 description</description>
      <name>prod_4_tar_2</name>
      <rules-attributes type="array">

```

```

    <rule>
      <connector nil="true"></connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>AREA</left-value>
      <operator>Equals</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>Blog</right-value>
    </rule>
    <rule>
      <connector>AND</connector>
      <left-parentheses-count type="integer">1</left-parentheses-count>
      <left-value>DAYOFWEEK</left-value>
      <operator>In</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>SUNDAY, SATURDAY</right-value>
    </rule>
  </rules-attributes>
</target>
</targets-attributes>
<site-ids type="array">
  <id>10</id>
  <id>0</id>
</site-ids>
<area-ids type="array">
  <id>4</id>
  <id>5</id>
</area-ids>
<size-ids type="array">
  <id>10</id>
  <id>0</id>
</size-ids>
<team-ids type="array">
  <id>4</id>
  <id>5</id>
</team-ids>
<exposure-policy-attributes>
  <clicks-lifetime type="integer">10</clicks-lifetime>
  <clicks-period type="integer">30001</clicks-period>
  <clicks-quantity type="integer" nil="true">10</clicks-quantity>
  <conversions-lifetime type="integer" nil="true">10</conversions-lifetime>
  <conversions-period type="integer">18001</conversions-period>
  <conversions-quantity type="integer" nil="true">5</conversions-quantity>
  <impressions-lifetime type="integer" nil="true">10</impressions-lifetime>
  <impressions-per-session type="integer" nil="true">10</impressions-per-
session>
  <impressions-period type="integer">10</impressions-period>
  <impressions-quantity type="integer" nil="true">10</impressions-quantity>
</exposure-policy-attributes>
<exposure-policy-ids type="array">
  <id>1045</id>
</exposure-policy-ids>
<labels type="array">
  <label>
    <name>label1</name>

```

```
<display-name>labell Display</display-name>
<value>labell value</value>
</label>
</labels>
</product>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<product>
  <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
  <description>Test Product 4</description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>
  <goal-rate type="decimal" nil="true"></goal-rate>
  <id type="integer">4</id>
  <list-rate type="decimal">3.21</list-rate>
  <lock-version type="integer">0</lock-version>
  <name>TestProduct4</name>
  <rate-style>additional</rate-style>
  <rate-type>CPM</rate-type>
  <targeting-type>Ad-hoc</targeting-type>
  <targets-group-logic>OR</targets-group-logic>
  <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
  <tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-period-priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
  </tier>
  <teams type="array">
    <team>
      <name>US</name>
      <id type="integer">4</id>
    </team>
    <team>
      <name>UK</name>
      <id type="integer">5</id>
    </team>
  </teams>
  <areas type="array">
    <area>
      <id type="integer">10</id>
      <name>Area 123</name>
    </area>
  </areas>
```

```

<sites type="array">
  <site>
    <id type="integer">10</id>
    <name>siteA.com</name>
  </site>
</sites>
<sizes type="array">
  <size>
    <id type="integer">0</id>
    <name>(none specified)</name>
  </size>
  <size>
    <id type="integer">10</id>
    <name>160x230</name>
  </size>
</sizes>
<exposure-policy>
  <clicks-lifetime type="integer">10</clicks-lifetime>
  <clicks-period type="integer">30001</clicks-period>
  <clicks-quantity type="integer">10</clicks-quantity>
  <conversions-lifetime type="integer">10</conversions-lifetime>
  <conversions-period type="integer">18001</conversions-period>
  <conversions-quantity type="integer">5</conversions-quantity>
  <created-at type="datetime">2018-08-02T13:14:52-04:00</created-at>
  <id type="integer">2</id>
  <impressions-lifetime type="integer">10</impressions-lifetime>
  <impressions-per-session type="integer">10</impressions-per-session>
  <impressions-period type="integer">10</impressions-period>
  <impressions-quantity type="integer">10</impressions-quantity>
  <updated-at type="datetime">2018-08-02T13:14:52-04:00</updated-at>
  <views-lifetime type="integer" nil="true" />
  <views-per-session type="integer" nil="true" />
  <views-period type="integer" nil="true" />
  <views-quantity type="integer" nil="true" />
</exposure-policy>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1045</id>
    <name>named_exposure_policy</name>
  </exposure-policy>
</exposure-policies>
<targets type="array">
  <target>
    <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
    <creator-id type="integer" nil="true"></creator-id>
    <description>prod 4 target 1 description</description>
    <id type="integer">5</id>
    <lock-version type="integer">0</lock-version>
    <name>prod_4_tar_1</name>
    <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
    <rules type="array">
      <rule type="TargetRule">
        <connector nil="true"></connector>
        <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
        <id type="integer">39</id>
        <left-parentheses-count type="integer">0</left-parentheses-count>
      </rule>
    </rules>
  </target>
</targets>

```

```

    <left-value>AREA</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>Equals</operator>
    <position type="integer">1</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>Blog</right-value>
    <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
  </rule>
  <rule type="TargetRule">
    <connector>AND</connector>
    <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
    <id type="integer">40</id>
    <left-parentheses-count type="integer">1</left-parentheses-count>
    <left-value>DAYOFWEEK</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>In</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
    <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
  </rule>
</rules>
</target>
<target>
  <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
  <creator-id type="integer" nil="true"></creator-id>
  <description>prod 4 target 2 description</description>
  <id type="integer">6</id>
  <lock-version type="integer">0</lock-version>
  <name>prod_4_tar_2</name>
  <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
  <rules type="array">
    <rule type="TargetRule">
      <connector nil="true"></connector>
      <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
      <id type="integer">41</id>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>AREA</left-value>
      <lock-version type="integer">0</lock-version>
      <operator>Equals</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>Blog</right-value>
      <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
    </rule>
    <rule type="TargetRule">
      <connector>AND</connector>
      <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
      <id type="integer">42</id>
      <left-parentheses-count type="integer">1</left-parentheses-count>
      <left-value>DAYOFWEEK</left-value>
      <lock-version type="integer">0</lock-version>
      <operator>In</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>SUNDAY,SATURDAY</right-value>
    </rule>
  </rules>
</target>

```



```

        <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
    </rule>
</rules>
</target>
</targets>
<labels type="array">
    <label>
        <name>label1</name>
        <display-name>label1 Display</display-name>
        <value>label1 value</value>
    </label>
</labels>
</product>

```

## Updating a Product

PUT: <https://beta.aimatch.com/products/4.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<product>
    <name>TestProduct4 Updated</name>
    <description>Test Product 4 updated</description>
    <floor-rate type="decimal">2.25</floor-rate>
    <goal-rate type="decimal">4.32</goal-rate>
    <list-rate type="decimal">4.39</list-rate>
    <rate-type>CPC</rate-type>
    <targets-group-logic>AND</targets-group-logic>
    <targets-attributes type="array">
        <target>
            <id type="integer">5</id>
            <description>prod 4 target 1 description updated</description>
            <name>prod_4_tar_1_updated</name>
        </target>
    </targets-attributes>
    <site-ids type="array">
        <id>10</id>
        <id>0</id>
    </site-ids>
    <area-ids type="array">
        <id>4</id>
        <id>5</id>
    </area-ids>
    <exposure-policy-attributes>
        <clicks-lifetime type="integer">10</clicks-lifetime>
        <clicks-period type="integer">30001</clicks-period>
        <clicks-quantity type="integer" nil="true">10</clicks-quantity>
        <conversions-lifetime type="integer" nil="true">10</conversions-lifetime>
        <conversions-period type="integer">18001</conversions-period>
        <conversions-quantity type="integer" nil="true">5</conversions-quantity>
        <impressions-lifetime type="integer" nil="true">10</impressions-lifetime>
        <impressions-per-session type="integer" nil="true">10</impressions-per-session>
        <impressions-period type="integer">10</impressions-period>
        <impressions-quantity type="integer" nil="true">10</impressions-quantity>
    </exposure-policy-attributes>

```

```

</exposure-policy-attributes>
<exposure-policy-ids type="array">
</exposure-policy-ids>
<labels type="array">
  <label>
    <name>labell1</name>
    <display-name>labell1 Display</display-name>
    <value>labell1 value</value>
  </label>
</labels>
</product>

```

The response will contain nothing but the status code will be 200.

The product now looks like this:

```

GET: https://beta.aimatch.com/products/4.xml

<?xml version="1.0" encoding="UTF-8"?>
<product>
  <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
  <description>Test Product 4 updated</description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal">2.25</floor-rate>
  <goal-rate type="decimal">4.32</goal-rate>
  <id type="integer">4</id>
  <list-rate type="decimal">4.39</list-rate>
  <lock-version type="integer">1</lock-version>
  <name>TestProduct4 Updated</name>
  <rate-style>additional</rate-style>
  <rate-type>CPC</rate-type>
  <targeting-type>Ad-hoc</targeting-type>
  <targets-group-logic>AND</targets-group-logic>
  <updated-at type="datetime">2011-05-26T15:18:37-04:00</updated-at>
  <tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-period-priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
  </tier>
  <teams type="array">
    <team>
      <name>US</name>
      <id type="integer">4</id>
    </team>
    <team>
      <name>UK</name>

```

```

    <id type="integer">5</id>
  </team>
</teams>
<areas type="array">
  <area>
    <id type="integer">10</id>
    <name>Area 123</name>
  </area>
</areas>
<sites type="array">
  <site>
    <id type="integer">10</id>
    <name>siteA.com</name>
  </site>
</sites>
<sizes type="array">
  <size>
    <id type="integer">0</id>
    <name>(none specified)</name>
  </size>
  <size>
    <id type="integer">10</id>
    <name>160x230</name>
  </size>
</sizes>
<exposure-policy>
  <clicks-lifetime type="integer">10</clicks-lifetime>
  <clicks-period type="integer">30001</clicks-period>
  <clicks-quantity type="integer">10</clicks-quantity>
  <conversions-lifetime type="integer">10</conversions-lifetime>
  <conversions-period type="integer">18001</conversions-period>
  <conversions-quantity type="integer">5</conversions-quantity>
  <created-at type="datetime">2018-08-02T13:14:52-04:00</created-at>
  <id type="integer">2</id>
  <impressions-lifetime type="integer">10</impressions-lifetime>
  <impressions-per-session type="integer">10</impressions-per-session>
  <impressions-period type="integer">10</impressions-period>
  <impressions-quantity type="integer">10</impressions-quantity>
  <updated-at type="datetime">2018-08-02T13:14:52-04:00</updated-at>
  <views-lifetime type="integer" nil="true" />
  <views-per-session type="integer" nil="true" />
  <views-period type="integer" nil="true" />
  <views-quantity type="integer" nil="true" />
</exposure-policy>
<exposure-policies type="array"> </exposure-policies>
<targets type="array">
  <target>
    <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
    <creator-id type="integer" nil="true"></creator-id>
    <description>prod 4 target 1 description updated</description>
    <id type="integer">5</id>
    <lock-version type="integer">1</lock-version>
    <name>prod_4_tar_1_updated</name>
    <product-id type="">4</product-id>
    <updated-at type="datetime">2011-05-26T15:18:37-04:00</updated-at>
    <rules type="array">

```

```

<rule type="TargetRule">
  <connector nil="true"></connector>
  <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
  <id type="integer">39</id>
  <left-parentheses-count type="integer">0</left-parentheses-count>
  <left-value>AREA</left-value>
  <lock-version type="integer">0</lock-version>
  <operator>Equals</operator>
  <position type="integer">1</position>
  <right-parentheses-count type="integer">0</right-parentheses-count>
  <right-value>Blog</right-value>
  <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
</rule>
<rule type="TargetRule">
  <connector>AND</connector>
  <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
  <id type="integer">40</id>
  <left-parentheses-count type="integer">1</left-parentheses-count>
  <left-value>DAYOFWEEK</left-value>
  <lock-version type="integer">0</lock-version>
  <operator>In</operator>
  <position type="integer">2</position>
  <right-parentheses-count type="integer">0</right-parentheses-count>
  <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
  <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
</rule>
</rules>
</target>
<target>
  <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
  <creator-id type="integer" nil="true"></creator-id>
  <description>prod 4 target 2 description</description>
  <id type="integer">6</id>
  <lock-version type="integer">0</lock-version>
  <name>prod_4_tar_2</name>
  <product-id type="">4</product-id>
  <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
  <rules type="array">
    <rule type="TargetRule">
      <connector nil="true"></connector>
      <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
      <id type="integer">41</id>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>AREA</left-value>
      <lock-version type="integer">0</lock-version>
      <operator>Equals</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>Blog</right-value>
      <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
    </rule>
    <rule type="TargetRule">
      <connector>AND</connector>
      <created-at type="datetime">2011-05-26T15:02:10-04:00</created-at>
      <id type="integer">42</id>
      <left-parentheses-count type="integer">1</left-parentheses-count>

```

```

    <left-value>DAYOFWEEK</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>In</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <right-value>SUNDAY,SATURDAY</right-value>
    <updated-at type="datetime">2011-05-26T15:02:10-04:00</updated-at>
  </rule>
</rules>
</target>
</targets>
<labels type="array">
  <label>
    <name>label1</name>
    <display-name>label1 Display</display-name>
    <value>label1 value</value>
  </label>
</labels>
</product>

```

## XML REST API: RFPs

### Get a list of RFPs

GET: <https://beta.aimatch.com/rfps.xml>

XML Response:

```

<rfps type="array">
  <rfp>
    <id type="integer">1</id>
    <name>TestRFP1</name>
    <asset_url type="string">URL for TestRFP1.doc</asset_url>
  </rfp>
  <rfp>
    <id type="integer">2</id>
    <name>TestRFP2</name>
    <asset_url type="string" nil="true"></asset_url>
  </rfp>
  <rfp>
    <id type="integer">3</id>
    <name>TestRFP3</name>
    <asset_url type="string" nil="true"></asset_url>
  </rfp>
</rfps>

```

This provides RFPs 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

https://beta.aimatch.com/rfps.xml?page=3

## Get a specific RFP

GET: https://beta.aimatch.com/rfps/3.xml

### XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <asset-content-type nil="true"></asset-content-type>
  <asset-file-name nil="true"></asset-file-name>
  <asset-file-size type="integer" nil="true"></asset-file-size>
  <asset-updated-at type="datetime" nil="true"></asset-updated-at>
  <bill-to>advertiser</bill-to>
  <budget type="decimal" nil="true"></budget>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
  <details-text>request for proposal 3 text updated</details-text>
  <details-type>text</details-type>
  <id type="integer">3</id>
  <lock-version type="integer">1</lock-version>
  <name>TestRFP3</name>
  <notes nil="true"></notes>
  <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
  <proposals type="array">
    <proposal>
      <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
      <discount type="decimal" nil="true"></discount>
      <end-date type="date" nil="true"></end-date>
      <expiration-date type="date">2012-03-18</expiration-date>
      <external-id nil="true"></external-id>
      <id type="integer">3</id>
      <lock-version type="integer">1</lock-version>
      <name>rfp_3_prop_1_updated</name>
      <notes nil="true"></notes>
      <po-number nil="true"></po-number>
      <probability type="integer" nil="true"></probability>
      <rfp-id type="integer">3</rfp-id>
      <start-date type="date" nil="true"></start-date>
      <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
      <version type="integer">3</version>
      <terms-and-conditions type="array">
        <terms-and-conditions>
          <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
          <id type="integer">3</id>
          <lock-version type="integer">1</lock-version>
          <name>rfp3_prop_1_t_and_c_1_updated</name>
          <proposal-id type="">3</proposal-id>
          <terms-and-conditions-id type="">3</terms-and-conditions-id>
          <terms-and-conditions-text>T and C text updated</terms-and-
conditions-text>
          <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>

```

```

    </terms-and-conditions>
  </terms-and-conditions>
  <line-items type="array">
    <line-item>
      <actions type="integer" nil="true"></actions>
      <additional-fees type="decimal" nil="true"></additional-fees>
      <additional-fees-local type="decimal" nil="true"></additional-fees-
local>
      <bonus-actions type="integer" nil="true"></bonus-actions>
      <bonus-clicks type="integer" nil="true"></bonus-clicks>
      <bonus-impressions type="integer" nil="true"></bonus-impressions>
      <bonus-views type="integer" nil="true"></bonus-views>
      <clicks type="integer" nil="true"></clicks>
      <cost-actions type="decimal" nil="true"></cost-actions>
      <cost-actions-local type="decimal" nil="true"></cost-actions-local>
      <cost-clicks type="decimal" nil="true"></cost-clicks>
      <cost-clicks-local type="decimal" nil="true"></cost-clicks-local>
      <cost-impressions type="decimal" nil="true"></cost-impressions>
      <cost-impressions-local type="decimal" nil="true"></cost-
impressions-local>
      <cost-views type="decimal" nil="true"></cost-views>
      <cost-views-local type="decimal" nil="true"></cost-views-local>
      <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
      <currency-id type="integer">840</currency-id>
      <conversion-rate type="float">1.0</conversion-rate>
      <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
      <daily-rev-cap-local type="decimal" nil="true"></daily-rev-cap-
local>
      <end-date type="datetime" nil="true"></end-date>
      <flat-rate type="decimal" nil="true"></flat-rate>
      <flat-rate-local type="decimal" nil="true"></flat-rate-local>
      <flat-rate-flag>cost_per</flat-rate-flag>
      <id type="integer">3</id>
      <impressions type="integer">65</impressions>
      <views type="integer" nil="true"></views>
      <lock-version type="integer">1</lock-version>
      <name>rfp3_prop_1_li_1_updated</name>
      <proposal-id type="integer">3</proposal-id>
      <size-id type="integer" nil="true"></size-id>
      <start-date type="datetime">2011-05-31T00:00:00-04:00</start-date>
      <status nil="true"></status>
      <targets-group-logic nil="true"></targets-group-logic>
      <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
      <version type="integer">2</version>
      <areas type="array"/>
      <tag-values type="array"/>
      <sites type="array">
        <site>
          <created-at type="datetime">2011-05-24T13:36:55-04:00</created-
at>
          <description nil="true"></description>
          <id type="integer">106</id>
          <line-item-id type="">3</line-item-id>
          <lock-version type="integer">0</lock-version>
          <name>rfp3_prop_1_li_1_site_1</name>
          <revenue-cut type="decimal" nil="true"></revenue-cut>

```

```

    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-
at>
  </site>
  <site>
    <created-at type="datetime">2011-05-24T13:36:55-04:00</created-
at>
    <description nil="true"></description>
    <id type="integer">107</id>
    <line-item-id type="">3</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>rfp3_prop_1_li_1_site_2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-
at>
  </site>
</sites>
<targets type="array"/>
<product>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-
at>
  <description></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal">2.25</floor-rate>
  <goal-rate type="decimal">4.32</goal-rate>
  <id type="integer">3</id>
  <list-rate type="decimal">5.25</list-rate>
  <lock-version type="integer">3</lock-version>
  <name>TestProduct3</name>
  <rate-style>additional</rate-style>
  <rate-type>CPM</rate-type>
  <targeting-type>None</targeting-type>
  <targets-group-logic>OR</targets-group-logic>
  <updated-at type="datetime">2011-05-26T15:14:39-04:00</updated-
at>
  <tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-
at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-
period-priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">>false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-
at>
  </tier>
  <targets type="array">
    <target>
      <created-at type="datetime">2011-05-24T13:36:55-
04:00</created-at>
      <creator-id type="integer" nil="true"></creator-id>

```



```

        <description nil="true"></description>
        <id type="integer">3</id>
        <lock-version type="integer">0</lock-version>
        <name>rfp_3_prop_1_prod_1_tar_1</name>
        <product-id type="">3</product-id>
        <updated-at type="datetime">2011-05-24T13:36:55-
04:00</updated-at>
        <rules type="array">
          <rule type="TargetRule">
            <connector nil="true"></connector>
            <created-at type="datetime">2011-05-24T13:36:55-
04:00</created-at>
            <id type="integer">35</id>
            <left-parentheses-count type="integer">0</left-
parentheses-count>
            <left-value>AREA</left-value>
            <lock-version type="integer">0</lock-version>
            <operator>Equals</operator>
            <position type="integer">1</position>
            <right-parentheses-count type="integer">0</right-
parentheses-count>
            <right-value>Blog</right-value>
            <updated-at type="datetime">2011-05-24T13:36:55-
04:00</updated-at>
          </rule>
          <rule type="TargetRule">
            <connector>AND</connector>
            <created-at type="datetime">2011-05-24T13:36:55-
04:00</created-at>
            <id type="integer">36</id>
            <left-parentheses-count type="integer">1</left-
parentheses-count>
            <left-value>DAYOFWEEK</left-value>
            <lock-version type="integer">0</lock-version>
            <operator>In</operator>
            <position type="integer">2</position>
            <right-parentheses-count type="integer">0</right-
parentheses-count>
            <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-
value>
            <updated-at type="datetime">2011-05-24T13:36:55-
04:00</updated-at>
          </rule>
        </rules>
      </target>
    </targets>
    <dynamic-targets type="array"/>
    <sizes type="array">
      <size>
        <id type="integer">0</id>
        <name>(none specified)</name>
      </size>
    </sizes>
  </product>
  <category-list type="array"/>
  <labels type="array">

```

```

    <label>
      <name>east_region-x.y</name>
      <display-name>East Region</display-name>
      <value>nv</value>
    </label>
    <label>
      <name>sports</name>
      <display-name>Basketball</display-name>
      <value>nba</value>
    </label>
  </labels>
</line-item>
</line-items>
</proposal>
</proposals>
<advertiser>
  <id type="integer">2</id>
  <name>TestAdvertiser3</name>
</advertiser>
<contact>
  <full-name>Test Advertiser User 3</full-name>
  <id type="integer">2</id>
</contact>
</rfp>

```

## Creating an RFP (with just the minimum required fields)

POST: <https://beta.aimatch.com/rfps.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <name>TestRFP4</name>
  <details-type>text</details-type>
  <details-text>request for proposal 4 text</details-text>
  <advertiser-id>2</advertiser-id>
  <contact-id type="integer">2</contact-id>
</rfp>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <asset-content-type nil="true"></asset-content-type>
  <asset-file-name nil="true"></asset-file-name>
  <asset-file-size type="integer" nil="true"></asset-file-size>
  <asset-updated-at type="datetime" nil="true"></asset-updated-at>
  <bill-to>advertiser</bill-to>
  <budget type="decimal" nil="true"></budget>
  <created-at type="datetime">2011-05-26T17:02:30-04:00</created-at>
  <details-text>request for proposal 4 text</details-text>
  <details-type>text</details-type>
  <id type="integer">4</id>
  <lock-version type="integer">0</lock-version>

```

```

<name>TestRFP4</name>
<notes nil="true"></notes>
<updated-at type="datetime">2011-05-26T17:02:30-04:00</updated-at>
<proposals type="array"/>
<advertiser>
  <id type="integer">2</id>
  <name>TestAdvertiser3</name>
</advertiser>
<contact>
  <full-name>Test Advertiser User 3</full-name>
  <id type="integer">2</id>
</contact>
</rfp>

```

## Creating an RFP (with nested items)

POST: <https://beta.aimatch.com/rfps.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <name>TestRFP5</name>
  <details-type>text</details-type>
  <details-text>request for proposal 5 text</details-text>
  <advertiser-id>2</advertiser-id>
  <contact-id type="integer">2</contact-id>
  <proposals-attributes type="array">
    <proposal>
      <name>rfp5_prop1</name>
      <expiration-date type="date">2012-03-17</expiration-date>
      <line-items-attributes type="array">
        <line-item>
          <name>rfp5_prop1_li1</name>
          <impressions type="integer" nil="true">20</impressions>
          <sites-attributes type="array">
            <site>
              <name>rfp5_prop1_li1_site1</name>
            </site>
            <site>
              <name>rfp5_prop1_li1_site2</name>
            </site>
          </sites-attributes>
          <start-date type="datetime">2011-05-31T00:00:00-04:00</start-date>
          <product-attributes>
            <name>rfp5_prop1_prod1</name>
            <list-rate type="decimal">1.25</list-rate>
            <rate-style>additional</rate-style>
            <rate-type>CPM</rate-type>
            <tier-id type="integer">3</tier-id>
            <targets-group-logic>OR</targets-group-logic>
            <targets-attributes type="array">
              <target>
                <description>rfp 5 proposal 1 product 1 target 1
description</description>
                <name>rfp5_prop1_prod1_tar1</name>

```

```

        <rules-attributes type="array">
          <rule>
            <connector nil="true"></connector>
            <left-parentheses-count type="integer">0</left-
parentheses-count>
            <left-value>AREA</left-value>
            <operator>Equals</operator>
            <position type="integer">1</position>
            <right-parentheses-count type="integer">0</right-
parentheses-count>
            <right-value>Blog</right-value>
          </rule>
          <rule>
            <connector>AND</connector>
            <left-parentheses-count type="integer">1</left-
parentheses-count>
            <left-value>DAYOFWEEK</left-value>
            <operator>In</operator>
            <position type="integer">2</position>
            <right-parentheses-count type="integer">0</right-
parentheses-count>
            <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-
value>
          </rule>
        </rules-attributes>
      </target>
    </targets-attributes>
    <size-ids type="array">
      <id>0</id>
    </size-ids>
  </product-attributes>
  <labels type="array">
    <label>
      <name>east_region-x.y</name>
      <display-name>East Region</display-name>
      <value>nv</value>
    </label>
    <label>
      <name>sports</name>
      <display-name>Basketball</display-name>
      <value>nba</value>
    </label>
  </labels>
</line-item>
</line-items-attributes>
<terms-and-conditions-attributes type="array">
  <terms-and-conditions>
    <name>rfp5_prop1_t_and_c1</name>
    <terms-and-conditions-text>rfp5 proposal 1 T and C 1 text</terms-
and-conditions-text>
    <terms-and-conditions>
  </terms-and-conditions-attributes>
</proposal>
</proposals-attributes>
</rfp>

```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <asset-content-type nil="true"></asset-content-type>
  <asset-file-name nil="true"></asset-file-name>
  <asset-file-size type="integer" nil="true"></asset-file-size>
  <asset-updated-at type="datetime" nil="true"></asset-updated-at>
  <bill-to>advertiser</bill-to>
  <budget type="decimal" nil="true"></budget>
  <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
  <details-text>request for proposal 5 text</details-text>
  <details-type>text</details-type>
  <id type="integer">5</id>
  <lock-version type="integer">0</lock-version>
  <name>TestRFP5</name>
  <notes nil="true"></notes>
  <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-at>
  <proposals type="array">
    <proposal>
      <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
      <discount type="decimal" nil="true"></discount>
      <end-date type="date" nil="true"></end-date>
      <expiration-date type="date">2012-03-17</expiration-date>
      <external-id nil="true"></external-id>
      <id type="integer">4</id>
      <lock-version type="integer">0</lock-version>
      <name>rfp5_prop1</name>
      <notes nil="true"></notes>
      <po-number nil="true"></po-number>
      <probability type="integer" nil="true"></probability>
      <rfp-id type="integer">5</rfp-id>
      <start-date type="date" nil="true"></start-date>
      <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-at>
      <version type="integer">2</version>
      <terms-and-conditions type="array">
        <terms-and-conditions>
          <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
          <id type="integer">5</id>
          <lock-version type="integer">0</lock-version>
          <name>rfp5_prop1_t_and_c1</name>
          <terms-and-conditions-text>rfp5 proposal 1 T and C 1 text</terms-
and-conditions-text>
          <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-at>
        </terms-and-conditions>
      </terms-and-conditions>
      <line-items type="array">
        <line-item>
          <actions type="integer" nil="true"></actions>
          <additional-fees type="decimal" nil="true"></additional-fees>
          <additional-fees-local type="decimal" nil="true"></additional-fees-
local>
          <bonus-actions type="integer" nil="true"></bonus-actions>
          <bonus-clicks type="integer" nil="true"></bonus-clicks>
        </line-item>
      </line-items>
    </proposal>
  </proposals>
</rfp>
```

```

<bonus-impressions type="integer" nil="true"></bonus-impressions>
<bonus-views type="integer" nil="true"></bonus-views>
<clicks type="integer" nil="true"></clicks>
<cost-actions type="decimal" nil="true"></cost-actions>
<cost-actions-local type="decimal" nil="true"></cost-actions-local>
<cost-clicks type="decimal" nil="true"></cost-clicks>
<cost-clicks-local type="decimal" nil="true"></cost-clicks-local>
<cost-impressions type="decimal" nil="true"></cost-impressions>
<cost-impressions-local type="decimal" nil="true"></cost-
impressions-local>
<cost-views type="decimal" nil="true"></cost-views>
<cost-views-local type="decimal" nil="true"></cost-views-local>
<created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
<currency-id type="integer">840</currency-id>
<conversion-rate type="float">1.0</conversion-rate>
<daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
<daily-rev-cap-local type="decimal" nil="true"></daily-rev-cap-
local>
<end-date type="datetime" nil="true"></end-date>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-local type="decimal" nil="true"></flat-rate-local>
<flat-rate-flag>cost_per</flat-rate-flag>
<id type="integer">4</id>
<impressions type="integer">20</impressions>
<views type="integer" nil="true"></views>
<lock-version type="integer">0</lock-version>
<name>rfp5_prop1_lil</name>
<proposal-id type="integer">4</proposal-id>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-05-31T00:00:00-04:00</start-date>
<status nil="true"></status>
<targets-group-logic nil="true"></targets-group-logic>
<updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-at>
<version type="integer">1</version>
<areas type="array"/>
<tag-values type="array"/>
<sites type="array">
  <site>
    <created-at type="datetime">2011-05-26T17:11:38-04:00</created-
at>
    <description nil="true"></description>
    <id type="integer">108</id>
    <line-item-id type="">4</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>rfp5_prop1_lil_site1</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-
at>
  </site>
  <site>
    <created-at type="datetime">2011-05-26T17:11:38-04:00</created-
at>
    <description nil="true"></description>
    <id type="integer">109</id>
    <line-item-id type="">4</line-item-id>
    <lock-version type="integer">0</lock-version>

```

```

    <name>rfp5_prop1_lil_site2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-
at>
    </site>
  </sites>
  <targets type="array"/>
  <product>
    <created-at type="datetime">2011-05-26T17:11:38-04:00</created-
at>
    <description nil="true"></description>
    <discount-rate type="decimal" nil="true"></discount-rate>
    <floor-rate type="decimal" nil="true"></floor-rate>
    <goal-rate type="decimal" nil="true"></goal-rate>
    <id type="integer">5</id>
    <list-rate type="decimal">1.25</list-rate>
    <lock-version type="integer">0</lock-version>
    <name>rfp5_prop1_prod1</name>
    <rate-style>additional</rate-style>
    <rate-type>CPM</rate-type>
    <targeting-type>None</targeting-type>
    <targets-group-logic>OR</targets-group-logic>
    <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-
at>
    <tier>
      <active type="boolean">true</active>
      <created-at type="datetime">2011-04-25T09:55:53-04:00</created-
at>
      <flags type="integer">0</flags>
      <grace-period type="integer" nil="true"></grace-period>
      <grace-period-priority type="decimal" nil="true"></grace-
period-priority>
      <id type="integer">3</id>
      <lock-version type="integer">0</lock-version>
      <name>House</name>
      <preemptible type="boolean">false</preemptible>
      <prioritization-method>Schedule</prioritization-method>
      <rank type="integer">3</rank>
      <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-
at>
    </tier>
    <targets type="array">
      <target>
        <created-at type="datetime">2011-05-26T17:11:38-
04:00</created-at>
        <creator-id type="integer" nil="true"></creator-id>
        <description>rfp 5 proposal 1 product 1 target 1
description</description>
        <id type="integer">7</id>
        <lock-version type="integer">0</lock-version>
        <name>rfp5_prop1_prod1_tar1</name>
        <product-id type="">5</product-id>
        <updated-at type="datetime">2011-05-26T17:11:38-
04:00</updated-at>
        <rules type="array">
          <rule type="TargetRule">

```

```

04:00</created-at>
    <connector nil="true"></connector>
    <created-at type="datetime">2011-05-26T17:11:38-
parentheses-count>
    <id type="integer">43</id>
    <left-parentheses-count type="integer">0</left-
parentheses-count>
    <left-value>AREA</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>Equals</operator>
    <position type="integer">1</position>
    <right-parentheses-count type="integer">0</right-
parentheses-count>
    <right-value>Blog</right-value>
04:00</updated-at>
</rule>
<rule type="TargetRule">
    <connector>AND</connector>
    <created-at type="datetime">2011-05-26T17:11:38-
04:00</created-at>
    <id type="integer">44</id>
    <left-parentheses-count type="integer">1</left-
parentheses-count>
    <left-value>DAYOFWEEK</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>In</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-
parentheses-count>
    <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-
value>
    <updated-at type="datetime">2011-05-26T17:11:38-
04:00</updated-at>
    </rule>
</rules>
</target>
</targets>
<dynamic-targets type="array"/>
<sizes type="array">
    <size>
        <id type="integer">0</id>
        <name>(none specified)</name>
    </size>
</sizes>
</product>
<category-list type="array"/>
<labels type="array">
    <label>
        <name>east_region-x.y</name>
        <display-name>East Region</display-name>
        <value>nv</value>
    </label>
    <label>
        <name>sports</name>
        <display-name>Basketball</display-name>
        <value>nba</value>

```



```

        </label>
      </labels>
    </line-item>
  </line-items>
</proposal>
</proposals>
<advertiser>
  <id type="integer">2</id>
  <name>TestAdvertiser3</name>
</advertiser>
<contact>
  <full-name>Test Advertiser User 3</full-name>
  <id type="integer">2</id>
</contact>
</rfp>

```

## Updating a RFP

PUT: <https://beta.aimatch.com/rfps/5.xml>

```

<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <id type="integer">5</id>
  <name>TestRFP5Updated</name>
  <details-type>text</details-type>
  <details-text>request for proposal 5 text updated</details-text>
  <proposals-attributes type="array">
    <proposal>
      <id type="integer">4</id>
      <lock-version type="integer">0</lock-version>
      <name>rfp5_prop1_updated</name>
      <expiration-date type="date">2013-03-18</expiration-date>
      <line-items-attributes type="array">
        <line-item>
          <id type="integer">4</id>
          <lock-version type="integer">0</lock-version>
          <name>rfp5_prop1_lil_updated</name>
          <impressions type="integer" nil="true">30</impressions>
          <start-date type="datetime">2011-06-01T00:00:00-04:00</start-date>
          <product-attributes>
            <id type="integer">5</id>
            <name>rfp5_prop1_prod1_updated</name>
            <list-rate type="decimal">2.36</list-rate>
            <rate-type>CPC</rate-type>
          </product-attributes>
        </line-item>
      </line-items-attributes>
      <terms-and-conditions-attributes type="array">
        <terms-and-conditions>
          <id type="integer">5</id>
          <name>rfp5_prop1_t_and_c1_updated</name>
          <terms-and-conditions-text>rfp5 proposal 1 T and C 1 text
updated</terms-and-conditions-text>
        </terms-and-conditions>
      </terms-and-conditions-attributes>
    </proposal>
  </proposals-attributes>

```

```
    </terms-and-conditions-attributes>
  </proposal>
</proposals-attributes>
</rfp>
```

The response will contain nothing but the status code will be 200.

The RFP now looks like this:

```
GET: https://beta.aimatch.com/rfps/5.xml

<?xml version="1.0" encoding="UTF-8"?>
<rfp>
  <asset-content-type nil="true"></asset-content-type>
  <asset-file-name nil="true"></asset-file-name>
  <asset-file-size type="integer" nil="true"></asset-file-size>
  <asset-updated-at type="datetime" nil="true"></asset-updated-at>
  <bill-to>advertiser</bill-to>
  <budget type="decimal" nil="true"></budget>
  <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
  <details-text>request for proposal 5 text updated</details-text>
  <details-type>text</details-type>
  <id type="integer">5</id>
  <lock-version type="integer">1</lock-version>
  <name>TestRFP5Updated</name>
  <notes nil="true"></notes>
  <updated-at type="datetime">2011-05-26T17:21:22-04:00</updated-at>
  <proposals type="array">
    <proposal>
      <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
      <discount type="decimal" nil="true"></discount>
      <end-date type="date" nil="true"></end-date>
      <expiration-date type="date">2013-03-18</expiration-date>
      <external-id nil="true"></external-id>
      <id type="integer">4</id>
      <lock-version type="integer">1</lock-version>
      <name>rfp5_prop1_updated</name>
      <notes nil="true"></notes>
      <po-number nil="true"></po-number>
      <probability type="integer" nil="true"></probability>
      <rfp-id type="integer">5</rfp-id>
      <start-date type="date" nil="true"></start-date>
      <updated-at type="datetime">2011-05-26T17:21:22-04:00</updated-at>
      <version type="integer">3</version>
      <terms-and-conditions type="array">
        <terms-and-conditions>
          <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
          <id type="integer">5</id>
          <lock-version type="integer">1</lock-version>
          <name>rfp5_prop1_t_and_c1_updated</name>
          <proposal-id type="">4</proposal-id>
          <terms-and-conditions-id type="">5</terms-and-conditions-id>
          <terms-and-conditions-text>rfp5 proposal 1 T and C 1 text
updated</terms-and-conditions-text>
          <updated-at type="datetime">2011-05-26T17:21:22-04:00</updated-at>
```

```

    </terms-and-conditions>
  </terms-and-conditions>
  <line-items type="array">
    <line-item>
      <actions type="integer" nil="true"></actions>
      <additional-fees type="decimal" nil="true"></additional-fees>
      <additional-fees-local type="decimal" nil="true"></additional-fees-
local>
      <bonus-actions type="integer" nil="true"></bonus-actions>
      <bonus-clicks type="integer" nil="true"></bonus-clicks>
      <bonus-impressions type="integer" nil="true"></bonus-impressions>
      <bonus-views type="integer" nil="true"></bonus-views>
      <clicks type="integer" nil="true"></clicks>
      <cost-actions type="decimal" nil="true"></cost-actions>
      <cost-actions-local type="decimal" nil="true"></cost-actions-local>
      <cost-clicks type="decimal" nil="true"></cost-clicks>
      <cost-clicks-local type="decimal" nil="true"></cost-clicks-local>
      <cost-impressions type="decimal" nil="true"></cost-impressions>
      <cost-impressions-local type="decimal" nil="true"></cost-
impressions-local>
      <cost-views type="decimal" nil="true"></cost-views>
      <cost-views-local type="decimal" nil="true"></cost-views-local>
      <created-at type="datetime">2011-05-26T17:11:38-04:00</created-at>
      <currency-id type="integer">840</currency-id>
      <conversion-rate type="float">1.0</conversion-rate>
      <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
      <daily-rev-cap-local type="decimal" nil="true"></daily-rev-cap-
local>
      <end-date type="datetime" nil="true"></end-date>
      <flat-rate type="decimal" nil="true"></flat-rate>
      <flat-rate-local type="decimal" nil="true"></flat-rate-local>
      <flat-rate-flag>cost_per</flat-rate-flag>
      <id type="integer">4</id>
      <impressions type="integer">30</impressions>
      <views type="integer" nil="true"></views>
      <lock-version type="integer">1</lock-version>
      <name>rfp5_prop1_lil_updated</name>
      <proposal-id type="integer">4</proposal-id>
      <size-id type="integer" nil="true"></size-id>
      <start-date type="datetime">2011-06-01T00:00:00-04:00</start-date>
      <status nil="true"></status>
      <targets-group-logic nil="true"></targets-group-logic>
      <updated-at type="datetime">2011-05-26T17:21:22-04:00</updated-at>
      <version type="integer">2</version>
      <areas type="array"/>
      <tag-values type="array"/>
      <sites type="array">
        <site>
          <created-at type="datetime">2011-05-26T17:11:38-04:00</created-
at>
          <description nil="true"></description>
          <id type="integer">108</id>
          <line-item-id type="">4</line-item-id>
          <lock-version type="integer">0</lock-version>
          <name>rfp5_prop1_lil_site1</name>
          <revenue-cut type="decimal" nil="true"></revenue-cut>

```

```

    <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-
at>
  </site>
  <site>
    <created-at type="datetime">2011-05-26T17:11:38-04:00</created-
at>
    <description nil="true"></description>
    <id type="integer">109</id>
    <line-item-id type="">4</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>rfp5_prop1_lil_site2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-26T17:11:38-04:00</updated-
at>
  </site>
</sites>
<targets type="array"/>
<product>
  <created-at type="datetime">2011-05-26T17:11:38-04:00</created-
at>
  <description nil="true"></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>
  <goal-rate type="decimal" nil="true"></goal-rate>
  <id type="integer">5</id>
  <list-rate type="decimal">2.36</list-rate>
  <lock-version type="integer">1</lock-version>
  <name>rfp5_prop1_prod1_updated</name>
  <rate-style>additional</rate-style>
  <rate-type>CPC</rate-type>
  <targeting-type>None</targeting-type>
  <targets-group-logic>OR</targets-group-logic>
  <updated-at type="datetime">2011-05-26T17:21:22-04:00</updated-
at>
  <tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-
at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-
period-priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">>false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-
at>
  </tier>
  <targets type="array">
    <target>
      <created-at type="datetime">2011-05-26T17:11:38-
04:00</created-at>
      <creator-id type="integer" nil="true"></creator-id>

```

```

        <description>rfp 5 proposal 1 product 1 target 1
description</description>
        <id type="integer">7</id>
        <lock-version type="integer">0</lock-version>
        <name>rfp5_prop1_prod1_tar1</name>
        <product-id type="">5</product-id>
        <updated-at type="datetime">2011-05-26T17:11:38-
04:00</updated-at>
        <rules type="array">
          <rule type="TargetRule">
            <connector nil="true"></connector>
            <created-at type="datetime">2011-05-26T17:11:38-
04:00</created-at>
            <id type="integer">43</id>
            <left-parentheses-count type="integer">0</left-
parentheses-count>
            <left-value>AREA</left-value>
            <lock-version type="integer">0</lock-version>
            <operator>Equals</operator>
            <position type="integer">1</position>
            <right-parentheses-count type="integer">0</right-
parentheses-count>
            <right-value>Blog</right-value>
            <updated-at type="datetime">2011-05-26T17:11:38-
04:00</updated-at>
          </rule>
          <rule type="TargetRule">
            <connector>AND</connector>
            <created-at type="datetime">2011-05-26T17:11:38-
04:00</created-at>
            <id type="integer">44</id>
            <left-parentheses-count type="integer">1</left-
parentheses-count>
            <left-value>DAYOFWEEK</left-value>
            <lock-version type="integer">0</lock-version>
            <operator>In</operator>
            <position type="integer">2</position>
            <right-parentheses-count type="integer">0</right-
parentheses-count>
            <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-
value>
            <updated-at type="datetime">2011-05-26T17:11:38-
04:00</updated-at>
          </rule>
        </rules>
      </target>
    </targets>
    <dynamic-targets type="array"/>
    <sizes type="array">
      <size>
        <id type="integer">0</id>
        <name>(none specified)</name>
      </size>
    </sizes>
  </product>
<category-list type="array"/>

```

```

    <labels type="array">
      <label>
        <name>east_region-x.y</name>
        <display-name>East Region</display-name>
        <value>nv</value>
      </label>
      <label>
        <name>sports</name>
        <display-name>Basketball</display-name>
        <value>nba</value>
      </label>
    </labels>
  </line-item>
</line-items>
</proposal>
</proposals>
<advertiser>
  <id type="integer">2</id>
  <name>TestAdvertiser3</name>
</advertiser>
<contact>
  <full-name>Test Advertiser User 3</full-name>
  <id type="integer">2</id>
</contact>
</rfp>

```

## XML REST API: Proposals

### Table Of Contents

- [Get a list of Proposals](#)
- [Get a specific Proposal](#)
- [Creating a Proposal \(with nested resources including line items\)](#)
- [Updating a Proposal](#)
- [Reverting a Proposal to a previous \(or newer\) version](#)
- [Converting a Proposal to a Campaign](#)
- [Get a list of Line Items](#)
- [Creating a new line item without nesting it inside a proposal](#)
- [Updating a line item without nesting it inside a proposal](#)

### Get a list of Proposals

GET: <https://beta.aimatch.com/proposals.xml>

XML Response:

```

<proposals type="array">
  <proposal>
    <id type="integer">1</id>
    <name>TestProposal1</name>
  </proposal>

```

```
<proposal>
  <id type="integer">2</id>
  <name>TestProposal2</name>
</proposal>
<proposal>
  <id type="integer">3</id>
  <name>TestProposal3</name>
</proposal>
</proposals>
```

This provides Proposals 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/proposals.xml?page=3
```

If you want more details than just id and name you can add an include\_details query parameter to the end of the URL:

```
https://beta.aimatch.com/proposals.xml?include_details=true
```

## Get a specific Proposal

```
GET: https://beta.aimatch.com/proposals/3.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
  <discount type="decimal" nil="true"></discount>
  <end-date type="date" nil="true"></end-date>
  <expiration-date type="date">2012-03-18</expiration-date>
  <external-id nil="true"></external-id>
  <id type="integer">3</id>
  <lock-version type="integer">1</lock-version>
  <name>TestProposal3</name>
  <notes nil="true"></notes>
  <po-number nil="true"></po-number>
  <probability type="integer" nil="true"></probability>
  <start-date type="date" nil="true"></start-date>
  <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
  <version type="integer">3</version>
  <agency-contact>
    <id type="integer">16</id>
    <phone/>
    <address1/>
    <address2/>
    <country>United States</country>
    <updated-at type="datetime">2012-01-16T13:42:55-05:00</updated-at>
    <contactable-id type="integer">5</contactable-id>
    <website/>
    <city/>
```

```

<full-name>frank1</full-name>
<created-at type="datetime">2012-01-16T13:42:55-05:00</created-at>
<email/>
<state/>
<contactable-type>Agency</contactable-type>
<lock-version type="integer">0</lock-version>
<title/>
<zip/>
</agency-contact>
<advertiser-contact>
  <id type="integer">20</id>
  <phone/>
  <address1/>
  <address2/>
  <country>Australia</country>
  <updated-at type="datetime">2012-08-31T14:40:55-04:00</updated-at>
  <contactable-id type="integer">3</contactable-id>
  <website/>
  <city/>
  <full-name>FD</full-name>
  <created-at type="datetime">2012-08-31T14:40:55-04:00</created-at>
  <email/>
  <state/>
  <contactable-type>Advertiser</contactable-type>
  <lock-version type="integer">7</lock-version>
  <title/>
  <zip/>
</advertiser-contact>
<rfp>
  <bill-to>advertiser</bill-to>
  <budget type="decimal" nil="true"></budget>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
  <details-text>request for proposal 3 text</details-text>
  <details-type>text</details-type>
  <id type="integer">3</id>
  <lock-version type="integer">1</lock-version>
  <name>rfp_3_updated</name>
  <notes nil="true"></notes>
  <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
  <contact>
    <full-name>Test Advertiser User</full-name>
    <id type="integer">2</id>
  </contact>
  <advertiser>
    <id type="integer">2</id>
    <name>TestAdvertiser</name>
  </advertiser>
  <asset_url type="string" nil="true"></asset_url>
</rfp>
<line-items type="array">
  <line-item>
    <actions type="integer" nil="true"></actions>
    <additional-fees type="decimal" nil="true"></additional-fees>
    <bonus-actions type="integer" nil="true"></bonus-actions>
    <bonus-clicks type="integer" nil="true"></bonus-clicks>
    <bonus-impressions type="integer" nil="true"></bonus-impressions>
  </line-item>
</line-items>

```



```

<clicks type="integer" nil="true"></clicks>
<cost-actions type="decimal" nil="true"></cost-actions>
<cost-clicks type="decimal" nil="true"></cost-clicks>
<cost-impressions type="decimal" nil="true"></cost-impressions>
<created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
<daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
<end-date type="datetime" nil="true"></end-date>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-flag>cost_per</flat-rate-flag>
<id type="integer">3</id>
<impressions type="integer">65</impressions>
<lock-version type="integer">1</lock-version>
<name>rfp3_prop_1_li_1_updated</name>
<price-check-status>OK</price-check-status>
<product-line nil="true"></product-line>
<proposal-id type="integer">3</proposal-id>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-05-31T00:00:00-04:00</start-date>
<status nil="true"></status>
<targets-group-logic nil="true"></targets-group-logic>
<updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
<version type="integer">2</version>
<targets type="array"/>
<areas type="array"/>
<tag-values type="array"/>
<sites type="array">
  <site>
    <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">106</id>
    <line-item-id type="">3</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>rfp3_prop_1_li_1_site_1</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">107</id>
    <line-item-id type="">3</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>rfp3_prop_1_li_1_site_2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-at>
  </site>
</sites>
<billable-decision>As is</billable-decision>
<product>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
  <description></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal">2.25</floor-rate>
  <goal-rate type="decimal">4.32</goal-rate>
  <id type="integer">3</id>
  <list-rate type="decimal">5.25</list-rate>

```

```

<lock-version type="integer">3</lock-version>
<name>TestProduct3</name>
<rate-style>additional</rate-style>
<rate-type>CPM</rate-type>
<targeting-type>None</targeting-type>
<targets-group-logic>OR</targets-group-logic>
<updated-at type="datetime">2011-05-26T15:14:39-04:00</updated-at>
<targets type="array">
  <target>
    <created-at type="datetime">2011-05-24T13:36:55-04:00</created-
at>
    <creator-id type="integer" nil="true"></creator-id>
    <description nil="true"></description>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>rfp_3_prop_1_prod_1_tar_1</name>
    <product-id type="">3</product-id>
    <updated-at type="datetime">2011-05-24T13:36:55-04:00</updated-
at>
    <rules type="array">
      <rule type="TargetRule">
        <connector nil="true"></connector>
        <created-at type="datetime">2011-05-24T13:36:55-
04:00</created-at>
        <id type="integer">35</id>
        <left-parentheses-count type="integer">0</left-parentheses-
count>
        <left-value>AREA</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>Equals</operator>
        <position type="integer">1</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>Blog</right-value>
        <updated-at type="datetime">2011-05-24T13:36:55-
04:00</updated-at>
      </rule>
      <rule type="TargetRule">
        <connector>AND</connector>
        <created-at type="datetime">2011-05-24T13:36:55-
04:00</created-at>
        <id type="integer">36</id>
        <left-parentheses-count type="integer">1</left-parentheses-
count>
        <left-value>DAYOFWEEK</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>In</operator>
        <position type="integer">2</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
        <updated-at type="datetime">2011-05-24T13:36:55-
04:00</updated-at>
      </rule>
    </rules>
  </target>

```

```

</targets>
<dynamic-targets type="array"/>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>House</name>
  <preemptible type="boolean">false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">3</rank>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<sizes type="array">
  <size>
    <id type="integer">5</id>
    <width type="integer">120</width>
    <updated-at type="datetime">2011-03-17T15:40:16-04:00</updated-
at>
    <created-at type="datetime">2010-06-07T14:31:17-04:00</created-
at>
    <name>120X240</name>
    <lock-version type="integer">5</lock-version>
    <height type="integer">240</height>
  </size>
</sizes>
</product>
<category-list type="array"/>
</line-item>
</line-items>
<terms-and-conditions type="array">
  <terms-and-conditions>
    <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
    <id type="integer">3</id>
    <lock-version type="integer">1</lock-version>
    <name>rfp3_prop_1_t_and_c_1_updated</name>
    <proposal-id type="">3</proposal-id>
    <terms-and-conditions-text>T and C text updated</terms-and-conditions-
text>
    <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
  </terms-and-conditions>
</terms-and-conditions>
</proposal>

```

## Creating a Proposal (with nested resources including line items)

**NOTE:** *start-date* and *end-date* fields for Flights, FlightCreatives, and LineItems **MUST** include the **time zone** as part of the datetime value. Datetime values in those fields without a specified time zone will be interpreted as UTC.

- **flat-rate-flag:** to define the options to create goals and revenues: *value*, *flat\_rate*, and *cost\_per*. The default is *cost\_per*.

```

POST: https://beta.aimatch.com/proposals.xml
<?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <name>TestProposal1</name>
  <expiration-date>2012-12-01</expiration-date>
  <start-date>2012-11-25</start-date>
  <end-date>2013-01-07</end-date>
  <external-id>999</external-id>
  <advertiser-id>1</advertiser-id>
  <agency-id>1</agency-id>
  <trafficker-id>3</trafficker-id>
  <terms-and-conditions-ids type="array">
    <id>1</id>
    <id>2</id>
  </terms-and-conditions-ids>
  <line-items-attributes>
    <name>test_prop_1_li_1</name>
    <start-date>2012-11-25</start-date>
    <end-date>2012-12-31</end-date>
    <cost-impressions type="decimal">0.05</cost-impressions>
    <product-attributes>
      <name>test_prop_1_prod_1</name>
      <list-rate type="decimal">1.25</list-rate>
      <rate-style>additional</rate-style>
      <rate-type>CPM</rate-type>
      <tier-id type="integer">1</tier-id>
      <targets-group-logic>OR</targets-group-logic>
      <targets-attributes>
        <description></description>
        <name>test_prop_1_prod_1_tar_1</name>
        <rules-attributes>
          <connector nil="true"></connector>
          <left-parentheses-count type="integer">0</left-parentheses-count>
          <left-value>AREA</left-value>
          <operator>Equals</operator>
          <position type="integer">1</position>
          <right-parentheses-count type="integer">0</right-parentheses-count>
          <right-value>Blog</right-value>
        </rules-attributes>
        <rules-attributes>
          <connector>AND</connector>
          <left-parentheses-count type="integer">1</left-parentheses-count>
          <left-value>DAYOFWEEK</left-value>
          <operator>In</operator>
          <position type="integer">2</position>
          <right-parentheses-count type="integer">0</right-parentheses-count>
          <right-value>SUNDAY, WEDNESDAY, THURSDAY, SATURDAY</right-value>
        </rules-attributes>
      </targets-attributes>
      <size-ids type="array">
        <id>2</id>
        <id>0</id>
      </size-ids>
    </product-attributes>
    <sites-attributes>

```

```

    <name>test_prop_1_li_1_site_1</name>
  </sites-attributes>
  <sites-attributes>
    <name>test_prop_1_li_1_site_2</name>
  </sites-attributes>
  <size-id>7</size-id>
  <tag-value-ids type="array">
    <id type="integer">1</id>
    <id type="integer">2</id>
    <id type="integer">3</id>
  </tag-value-ids>
  <impressions>100000</impressions>
  <ad-hoc-target-attributes>
    <rules-attributes>
      <connector nil="true"></connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>GEO_DISTANCE_MILES</left-value>
      <operator>Greater or Equal To</operator>
      <position type="integer">1</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>2.56, 51.521562, -0.261612</right-value>
    </rules-attributes>
    <rules-attributes>
      <connector nil="true">AND</connector>
      <left-parentheses-count type="integer">1</left-parentheses-count>
      <left-value>GEO_DISTANCE_MILES</left-value>
      <operator>Greater or Equal To</operator>
      <position type="integer">2</position>
      <right-parentheses-count type="integer">0</right-parentheses-count>
      <right-value>2.56, 51.521562, -0.261612</right-value>
    </rules-attributes>
    <rules-attributes>
      <connector nil="true">OR</connector>
      <left-parentheses-count type="integer">0</left-parentheses-count>
      <left-value>GEO_DISTANCE_MILES</left-value>
      <operator>Greater or Equal To</operator>
      <position type="integer">3</position>
      <right-parentheses-count type="integer">1</right-parentheses-count>
      <right-value>2.56, 51.521562, -0.261612</right-value>
    </rules-attributes>
  </ad-hoc-target-attributes>
  <exposure-policy-ids type="array">
    <id>1045</id>
  </exposure-policy-ids>
</line-items-attributes>
</proposal>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <bill-to>advertiser</bill-to>
  <converted-at type="date" nil="true"></converted-at>
  <created-at type="datetime">2012-07-03T11:10:32-04:00</created-at>
  <credit-check-status>OK</credit-check-status>

```

```

<discount type="decimal" nil="true"></discount>
<end-date type="date">2013-01-07</end-date>
<expiration-date type="date">2012-12-01</expiration-date>
<external-id>999</external-id>
<id type="integer">1</id>
<internal-notes nil="true"></internal-notes>
<lock-version type="integer">1</lock-version>
<name>TestProposal1</name>
<notes nil="true"></notes>
<po-number>000001</po-number>
<probability type="integer" nil="true"></probability>
<start-date type="date">2012-11-25</start-date>
<status nil="true"></status>
<trafficker-id type="integer">3</trafficker-id>
<updated-at type="datetime">2012-07-03T11:10:33-04:00</updated-at>
<version type="integer">2</version>
<terms-and-conditions type="array">
  <terms-and-conditions>
    <created-at type="datetime">2012-07-03T11:04:01-04:00</created-at>
    <id type="integer">1</id>
    <lock-version type="integer">1</lock-version>
    <name>test_terms_and_conditions_1</name>
    <terms-and-conditions-text>test_terms_and_conditions_1 text</terms-and-
conditions-text>
    <updated-at type="datetime">2012-07-03T11:04:58-04:00</updated-at>
  </terms-and-conditions>
</terms-and-conditions>
<line-items type="array">
  <line-item>
    <actions type="integer" nil="true"></actions>
    <additional-fees type="decimal" nil="true"></additional-fees>
    <bonus-actions type="integer" nil="true"></bonus-actions>
    <bonus-clicks type="integer" nil="true"></bonus-clicks>
    <bonus-impressions type="integer" nil="true"></bonus-impressions>
    <clicks type="integer" nil="true"></clicks>
    <cost-actions type="decimal" nil="true"></cost-actions>
    <cost-clicks type="decimal" nil="true"></cost-clicks>
    <cost-impressions type="decimal">0.05</cost-impressions>
    <created-at type="datetime">2012-07-03T11:10:33-04:00</created-at>
    <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
    <end-date type="datetime">2012-12-31T00:00:00-05:00</end-date>
    <flat-rate type="decimal" nil="true"></flat-rate>
    <flat-rate-flag>cost_per</flat-rate-flag>
    <id type="integer">1</id>
    <impressions type="integer">100000</impressions>
    <inventory-check-status>OK</inventory-check-status>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_1_li_1</name>
    <notes nil="true"></notes>
    <price-check-status>OK</price-check-status>
    <product-line nil="true"></product-line>
    <proposal-id type="integer">1</proposal-id>
    <size-id type="integer">7</size-id>
    <start-date type="datetime">2012-11-25T00:00:00-05:00</start-date>
    <status nil="true"></status>
    <targets-group-logic nil="true"></targets-group-logic>

```

```

<updated-at type="datetime">2012-07-03T11:10:33-04:00</updated-at>
<billable-decision>As is</billable-decision>
<sites type="array">
  <site>
    <created-at type="datetime">2012-07-03T11:10:33-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">1</id>
    <line-item-id type="">1</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_1_li_1_site_1</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2012-07-03T11:10:33-04:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2012-07-03T11:10:33-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">2</id>
    <line-item-id type="">1</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_1_li_1_site_2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2012-07-03T11:10:33-04:00</updated-at>
  </site>
</sites>
<targets type="array"/>
<tag-values type="array">
  <tag-value>
    <created-at type="datetime">2012-07-02T17:28:06-04:00</created-at>
    <id type="integer">1</id>
    <line-item-id type="">1</line-item-id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2012-07-02T17:28:06-04:00</updated-at>
    <value>testtagval1</value>
  </tag-value>
  <tag-value>
    <created-at type="datetime">2012-07-02T17:28:06-04:00</created-at>
    <id type="integer">2</id>
    <line-item-id type="">1</line-item-id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2012-07-02T17:28:06-04:00</updated-at>
    <value>testtagval2</value>
  </tag-value>
  <tag-value>
    <created-at type="datetime">2012-07-02T17:28:06-04:00</created-at>
    <id type="integer">3</id>
    <line-item-id type="">1</line-item-id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2012-07-02T17:28:06-04:00</updated-at>
    <value>testtagval3</value>
  </tag-value>
</tag-values>
<product>
  <created-at type="datetime">2012-07-03T11:10:32-04:00</created-at>
  <description nil="true"></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>

```

```

<goal-rate type="decimal" nil="true"></goal-rate>
<id type="integer">1</id>
<list-rate type="decimal">1.25</list-rate>
<lock-version type="integer">0</lock-version>
<name>test_prop_1_prod_1</name>
<rate-style>additional</rate-style>
<rate-type>CPM</rate-type>
<targeting-type>None</targeting-type>
<targets-group-logic>OR</targets-group-logic>
<updated-at type="datetime">2012-07-03T11:10:32-04:00</updated-at>
<targets type="array">
  <target>
    <created-at type="datetime">2012-07-03T11:10:32-04:00</created-
at>
    <creator-id type="integer" nil="true"></creator-id>
    <description nil="true"></description>
    <id type="integer">1</id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_1_prod_1_tar_1</name>
    <product-id type="">1</product-id>
    <updated-at type="datetime">2012-07-03T11:10:32-04:00</updated-
at>
    <rules type="array">
      <rule type="TargetRule">
        <connector nil="true"></connector>
        <created-at type="datetime">2012-07-03T11:10:32-
04:00</created-at>
        <id type="integer">1</id>
        <left-parentheses-count type="integer">0</left-parentheses-
count>
        <left-value>AREA</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>Equals</operator>
        <position type="integer">1</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>Blog</right-value>
        <updated-at type="datetime">2012-07-03T11:10:32-
04:00</updated-at>
      </rule>
      <rule type="TargetRule">
        <connector>AND</connector>
        <created-at type="datetime">2012-07-03T11:10:32-
04:00</created-at>
        <id type="integer">2</id>
        <left-parentheses-count type="integer">1</left-parentheses-
count>
        <left-value>DAYOFWEEK</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>In</operator>
        <position type="integer">2</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
        <updated-at type="datetime">2012-07-03T11:10:32-
04:00</updated-at>

```



```

        </rule>
      </rules>
    </target>
  </targets>
  <dynamic-targets type="array"/>
  <tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2012-07-02T17:43:53-04:00</created-at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
    <id type="integer">1</id>
    <lock-version type="integer">0</lock-version>
    <name>TestTier1</name>
    <preemptible type="boolean">false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">1</rank>
    <updated-at type="datetime">2012-07-02T17:43:53-04:00</updated-at>
  </tier>
  <sizes type="array">
    <size>
      <id type="integer">0</id>
      <width type="integer">0</width>
      <updated-at type="datetime">2010-06-07T14:31:17-04:00</updated-
at>
      <created-at type="datetime">2010-06-07T14:31:17-04:00</created-
at>
      <name>(none specified)</name>
      <lock-version type="integer">0</lock-version>
      <height type="integer">0</height>
    </size>
    <size>
      <id type="integer">2</id>
      <width type="integer">234</width>
      <updated-at type="datetime">2010-07-06T21:30:54-04:00</updated-
at>
      <created-at type="datetime">2010-06-07T14:31:17-04:00</created-
at>
      <name>234X60</name>
      <lock-version type="integer">2</lock-version>
      <height type="integer">60</height>
    </size>
  </sizes>
</product>
<billable-amount-monthly type="array"/>
<areas type="array"/>
<category-list type="array"/>
<ad-hoc-target>
  <description nil="true"/>
  <created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
  <id type="integer">366</id>
  <creator-id type="integer" nil="true"/>
  <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
  <name>aiMatch_ad_hoc_target_1355249089_822</name>
  <lock-version type="integer">0</lock-version>

```

```

<rules type="array">
  <rule type="TargetRule">
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
    <id type="integer">2883</id>
    <right-value>2.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
    <position type="integer">1</position>
    <connector nil="true"/>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <lock-version type="integer">0</lock-version>
  </rule>
  <rule type="TargetRule">
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">1</left-parentheses-count>
    <created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
    <id type="integer">2884</id>
    <right-value>2.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
    <position type="integer">2</position>
    <connector>AND</connector>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-count>
    <lock-version type="integer">0</lock-version>
  </rule>
  <rule type="TargetRule">
    <left-value>GEO_DISTANCE_MILES</left-value>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
    <id type="integer">2885</id>
    <right-value>2.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
    <position type="integer">3</position>
    <connector>OR</connector>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">1</right-parentheses-count>
    <lock-version type="integer">0</lock-version>
  </rule>
</rules>
</ad-hoc-target>
<exposure-policies type="array">
  <exposure-policy>

```

```

        <id type="integer">1045</id>
        <name>named_exposure_policy</name>
    </exposure-policy>
</exposure-policies>
</line-item>
</line-items>
<agency>
    <account-number></account-number>
    <commission type="decimal" nil="true"></commission>
    <created-at type="datetime">2012-07-02T17:17:42-04:00</created-at>
    <credit-approved type="boolean">false</credit-approved>
    <credit-limit type="decimal" nil="true"></credit-limit>
    <external-id></external-id>
    <id type="integer">1</id>
    <lock-version type="integer">1</lock-version>
    <name>TestAgency1</name>
    <perishable-token>aVQAPMyBbHe563KvRO</perishable-token>
    <pre-pay type="boolean">false</pre-pay>
    <region-id type="integer" nil="true"></region-id>
    <standard-discount type="decimal" nil="true"></standard-discount>
    <status nil="true"></status>
    <updated-at type="datetime">2012-07-02T17:17:54-04:00</updated-at>
    <category-list type="array"/>
</agency>
<advertiser>
    <account-number nil="true"></account-number>
    <created-at type="datetime">2012-07-02T16:28:49-04:00</created-at>
    <credit-approved type="boolean">false</credit-approved>
    <credit-limit type="decimal" nil="true"></credit-limit>
    <id type="integer">1</id>
    <industry-id type="integer" nil="true"></industry-id>
    <lock-version type="integer">0</lock-version>
    <name>aiMatch_adMeld_Integration_Advertiser</name>
    <perishable-token>rhwkxKGAX9OpJPWx3hR</perishable-token>
    <pre-pay type="boolean" nil="true"></pre-pay>
    <region-id type="integer" nil="true"></region-id>
    <standard-discount type="decimal" nil="true"></standard-discount>
    <status nil="true"></status>
    <updated-at type="datetime">2012-07-02T16:28:49-04:00</updated-at>
    <category-list type="array"/>
</advertiser>
<rfp>
    <bill-to>advertiser</bill-to>
    <budget type="decimal" nil="true"></budget>
    <created-at type="datetime" nil="true"></created-at>
    <details-text nil="true"></details-text>
    <details-type nil="true"></details-type>
    <lock-version type="integer">0</lock-version>
    <name nil="true"></name>
    <notes nil="true"></notes>
    <updated-at type="datetime" nil="true"></updated-at>
    <asset_url type="string" nil="true"></asset_url>
</rfp>
</proposal>

```

## Updating a Proposal

**NOTE:** start-date and end-date fields for Flights, FlightCreatives, and LineItems **MUST** include the **time zone** as part of the datetime value. Datetime values in those fields without a specified time zone will be interpreted as UTC.

Changes: name, line item to flat rate, extend end date of proposal and line item to the end of Feb.

Changing to flat rate and providing billable-decision = "Weighted" will cause billable-amount-monthly entries to be generated.

Choices for billable-decision are: "As is", "Weighted", "Even", "Back load", and "Front load"

**billable-decision** must be set to one of the values except "As is" when changing dates, goals or costs or an error will be returned.

The advertiser, agency, and terms and conditions ids must all be sent, even if not being changed. If the advertiser and agency ids are not present they will be cleared since they are not required. If the terms and condition ids are not sent then an error will be returned since that is a required field.

- **flat-rate-flag:** to define the options to create goals and revenues: *value*, *flat\_rate*, and *cost\_per*. The default is *cost\_per*.

```
PUT: https://beta.aimatch.com/proposals/1.xml
?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <name>TestProposal1Updated</name>
  <notes nil="true">changed: name, line item to flat rate, extend end date of
proposal and line item to the end of Feb</notes>
  <end-date type="date">2013-02-28</end-date>
  <!--advertiser-id included since it gets cleared when not present-->
  <advertiser-id>1</advertiser-id>
  <!--agency-id included since it gets cleared when not present-->
  <agency-id>1</agency-id>
  <!--terms-and-conditions-ids included since an error is returned when not
present-->
  <terms-and-conditions-ids type="array">
    <id>1</id>
    <id>2</id>
  </terms-and-conditions-ids>
  <line-items-attributes>
    <id type="integer">1</id>
    <billable-decision>Weighted</billable-decision>
    <flat-rate type="decimal">12000.00</flat-rate>
    <flat-rate-flag>flat_rate</flat-rate-flag>
    <end-date type="date">2013-02-28</end-date>
    <ad-hoc-target-attributes>
      <description nil="true"/>
      <created-at type="datetime">2012-12-11T13:04:49-05:00</created-at>
      <id type="integer">366</id>
      <creator-id type="integer" nil="true"/>
      <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-at>
      <name>aiMatch_ad_hoc_target_1355249089_822</name>
      <lock-version type="integer">0</lock-version>
      <rules-attributes>
        <left-value>GEO_DISTANCE_MILES</left-value>
        <left-parentheses-count type="integer">0</left-parentheses-count>
        <created-at type="datetime">2012-12-11T13:04:49-05:00</created-
at>
        <id type="integer">2883</id>
```

```

    <right-value>3.56,51.521562,-0.261612</right-value>
    <updated-at type="datetime">2012-12-11T13:04:49-05:00</updated-
at>
    <position type="integer">1</position>
    <connector nil="true"/>
    <operator>Greater or Equal To</operator>
    <target-id type="integer">366</target-id>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <lock-version type="integer">0</lock-version>
</rules-attributes>
<rules-attributes>
  <left-value>GEO_DISTANCE_MILES</left-value>
  <left-parentheses-count type="integer">1</left-parentheses-count>
  <id type="integer">2884</id>
  <right-value>3.56,51.521562,-0.261612</right-value>
  <position type="integer">2</position>
  <connector>AND</connector>
  <operator>Greater or Equal To</operator>
  <target-id type="integer">366</target-id>
  <right-parentheses-count type="integer">0</right-parentheses-
count>
</rules-attributes>
<rules-attributes>
  <left-value>GEO_DISTANCE_MILES</left-value>
  <left-parentheses-count type="integer">0</left-parentheses-count>
  <id type="integer">2885</id>
  <right-value>3.56,51.521562,-0.261612</right-value>
  <position type="integer">3</position>
  <connector>OR</connector>
  <operator>Greater or Equal To</operator>
  <target-id type="integer">366</target-id>
  <right-parentheses-count type="integer">1</right-parentheses-
count>
</rules-attributes>
</ad-hoc-target-attributes>
</line-items-attributes>
</proposal>

```

The response will contain nothing but the status code will be 200.

The proposal now looks like this:

```

GET: https://beta.aimatch.com/proposals/1.xml
<?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <bill-to>advertiser</bill-to>
  <converted-at type="date" nil="true"></converted-at>
  <created-at type="datetime">2012-07-03T11:10:32-04:00</created-at>
  <credit-check-status>OK</credit-check-status>
  <discount type="decimal" nil="true"></discount>
  <end-date type="date">2013-02-28</end-date>
  <expiration-date type="date">2012-12-01</expiration-date>
  <external-id>999</external-id>
  <id type="integer">1</id>

```

```

<internal-notes nil="true"></internal-notes>
<lock-version type="integer">2</lock-version>
<name>TestProposal1Updated</name>
<notes>changed: name, line item to flat rate, extend end date of proposal
and line item to the end of Feb</notes>
<po-number>000001</po-number>
<probability type="integer" nil="true"></probability>
<start-date type="date">2012-11-25</start-date>
<status nil="true"></status>
<trafficker-id type="integer">3</trafficker-id>
<updated-at type="datetime">2012-07-03T11:54:29-04:00</updated-at>
<version type="integer">4</version>
<terms-and-conditions type="array">
  <terms-and-conditions>
    <created-at type="datetime">2012-07-03T11:04:01-04:00</created-at>
    <id type="integer">1</id>
    <lock-version type="integer">1</lock-version>
    <name>test_terms_and_conditions_1</name>
    <proposal-id type="">1</proposal-id>
    <terms-and-conditions-text>test_terms_and_conditions_1 text</terms-and-
conditions-text>
    <updated-at type="datetime">2012-07-03T11:04:58-04:00</updated-at>
  </terms-and-conditions>
</terms-and-conditions>
<line-items type="array">
  <line-item>
    <actions type="integer" nil="true"></actions>
    <additional-fees type="decimal" nil="true"></additional-fees>
    <bonus-actions type="integer" nil="true"></bonus-actions>
    <bonus-clicks type="integer" nil="true"></bonus-clicks>
    <bonus-impressions type="integer" nil="true"></bonus-impressions>
    <clicks type="integer" nil="true"></clicks>
    <cost-actions type="decimal" nil="true"></cost-actions>
    <cost-clicks type="decimal" nil="true"></cost-clicks>
    <cost-impressions type="decimal">0.05</cost-impressions>
    <created-at type="datetime">2012-07-03T11:10:33-04:00</created-at>
    <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
    <end-date type="datetime">2013-02-28T00:00:00-05:00</end-date>
    <flat-rate type="decimal">12000.0</flat-rate>
    <flat-rate-flag>flat_rate</flat-rate-flag>
    <id type="integer">1</id>
    <impressions type="integer">100000</impressions>
    <inventory-check-status>OK</inventory-check-status>
    <lock-version type="integer">1</lock-version>
    <name>test_prop_1_li_1</name>
    <notes nil="true"></notes>
    <price-check-status>OK</price-check-status>
    <product-line nil="true"></product-line>
    <proposal-id type="integer">1</proposal-id>
    <size-id type="integer">7</size-id>
    <start-date type="datetime">2012-11-25T00:00:00-05:00</start-date>
    <status nil="true"></status>
    <targets-group-logic nil="true"></targets-group-logic>
    <updated-at type="datetime">2012-07-03T11:54:29-04:00</updated-at>
    <billable-decision>As is</billable-decision>
    <sites type="array">

```

```

<site>
  <created-at type="datetime">2012-07-03T11:10:33-04:00</created-at>
  <description nil="true"></description>
  <id type="integer">1</id>
  <line-item-id type="">1</line-item-id>
  <lock-version type="integer">0</lock-version>
  <name>test_prop_1_li_1_site_1</name>
  <revenue-cut type="decimal" nil="true"></revenue-cut>
  <updated-at type="datetime">2012-07-03T11:10:33-04:00</updated-at>
</site>
<site>
  <created-at type="datetime">2012-07-03T11:10:33-04:00</created-at>
  <description nil="true"></description>
  <id type="integer">2</id>
  <line-item-id type="">1</line-item-id>
  <lock-version type="integer">0</lock-version>
  <name>test_prop_1_li_1_site_2</name>
  <revenue-cut type="decimal" nil="true"></revenue-cut>
  <updated-at type="datetime">2012-07-03T11:10:33-04:00</updated-at>
</site>
</sites>
<targets type="array"/>
<tag-values type="array">
  <tag-value>
    <created-at type="datetime">2012-07-02T17:28:06-04:00</created-at>
    <id type="integer">1</id>
    <line-item-id type="">1</line-item-id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2012-07-02T17:28:06-04:00</updated-at>
    <value>testtagval1</value>
  </tag-value>
  <tag-value>
    <created-at type="datetime">2012-07-02T17:28:06-04:00</created-at>
    <id type="integer">2</id>
    <line-item-id type="">1</line-item-id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2012-07-02T17:28:06-04:00</updated-at>
    <value>testtagval2</value>
  </tag-value>
  <tag-value>
    <created-at type="datetime">2012-07-02T17:28:06-04:00</created-at>
    <id type="integer">3</id>
    <line-item-id type="">1</line-item-id>
    <tag-id type="integer">1</tag-id>
    <updated-at type="datetime">2012-07-02T17:28:06-04:00</updated-at>
    <value>testtagval3</value>
  </tag-value>
</tag-values>
<product>
  <created-at type="datetime">2012-07-03T11:10:32-04:00</created-at>
  <description nil="true"></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>
  <goal-rate type="decimal" nil="true"></goal-rate>
  <id type="integer">1</id>
  <list-rate type="decimal">1.25</list-rate>

```

```

<lock-version type="integer">0</lock-version>
<name>test_prop_1_prod_1</name>
<rate-style>additional</rate-style>
<rate-type>CPM</rate-type>
<targeting-type>None</targeting-type>
<targets-group-logic>OR</targets-group-logic>
<updated-at type="datetime">2012-07-03T11:10:32-04:00</updated-at>
<targets type="array">
  <target>
    <created-at type="datetime">2012-07-03T11:10:32-04:00</created-
at>
    <creator-id type="integer" nil="true"></creator-id>
    <description nil="true"></description>
    <id type="integer">1</id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_1_prod_1_tar_1</name>
    <product-id type="">1</product-id>
    <updated-at type="datetime">2012-07-03T11:10:32-04:00</updated-
at>
    <rules type="array">
      <rule type="TargetRule">
        <connector nil="true"></connector>
        <created-at type="datetime">2012-07-03T11:10:32-
04:00</created-at>
        <id type="integer">1</id>
        <left-parentheses-count type="integer">0</left-parentheses-
count>
        <left-value>AREA</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>Equals</operator>
        <position type="integer">1</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>Blog</right-value>
        <updated-at type="datetime">2012-07-03T11:10:32-
04:00</updated-at>
      </rule>
      <rule type="TargetRule">
        <connector>AND</connector>
        <created-at type="datetime">2012-07-03T11:10:32-
04:00</created-at>
        <id type="integer">2</id>
        <left-parentheses-count type="integer">1</left-parentheses-
count>
        <left-value>DAYOFWEEK</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>In</operator>
        <position type="integer">2</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
        <updated-at type="datetime">2012-07-03T11:10:32-
04:00</updated-at>
      </rule>
    </rules>
  </target>

```



```

</targets>
<dynamic-targets type="array"/>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2012-07-02T17:43:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTier1</name>
  <preemptible type="boolean">false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">1</rank>
  <updated-at type="datetime">2012-07-02T17:43:53-04:00</updated-at>
</tier>
<sizes type="array">
  <size>
    <id type="integer">0</id>
    <name>(none specified)</name>
  </size>
</sizes>
</product>
<billable-amount-monthly type="array">
  <billable-amount-monthly>
    <amount type="decimal">750.0</amount>
    <created-at type="datetime">2012-07-03T11:54:29-04:00</created-at>
    <id type="integer">1</id>
    <line-item-id type="integer">1</line-item-id>
    <month>2012-11</month>
    <updated-at type="datetime">2012-07-03T11:54:29-04:00</updated-at>
  </billable-amount-monthly>
  <billable-amount-monthly>
    <amount type="decimal">3875.0</amount>
    <created-at type="datetime">2012-07-03T11:54:29-04:00</created-at>
    <id type="integer">2</id>
    <line-item-id type="integer">1</line-item-id>
    <month>2012-12</month>
    <updated-at type="datetime">2012-07-03T11:54:29-04:00</updated-at>
  </billable-amount-monthly>
  <billable-amount-monthly>
    <amount type="decimal">3875.0</amount>
    <created-at type="datetime">2012-07-03T11:54:29-04:00</created-at>
    <id type="integer">3</id>
    <line-item-id type="integer">1</line-item-id>
    <month>2013-01</month>
    <updated-at type="datetime">2012-07-03T11:54:29-04:00</updated-at>
  </billable-amount-monthly>
  <billable-amount-monthly>
    <amount type="decimal">3500.0</amount>
    <created-at type="datetime">2012-07-03T11:54:29-04:00</created-at>
    <id type="integer">4</id>
    <line-item-id type="integer">1</line-item-id>
    <month>2013-02</month>
    <updated-at type="datetime">2012-07-03T11:54:29-04:00</updated-at>

```

```

    </billable-amount-monthly>
  </billable-amount-monthly>
  <areas type="array"/>
  <category-list type="array"/>
</line-item>
</line-items>
<agency>
  <account-number></account-number>
  <commission type="decimal" nil="true"></commission>
  <created-at type="datetime">2012-07-02T17:17:42-04:00</created-at>
  <credit-approved type="boolean">>false</credit-approved>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <external-id></external-id>
  <id type="integer">1</id>
  <lock-version type="integer">1</lock-version>
  <name>TestAgency1</name>
  <perishable-token>aVQAPMyBbHe563KvRO</perishable-token>
  <pre-pay type="boolean">>false</pre-pay>
  <region-id type="integer" nil="true"></region-id>
  <standard-discount type="decimal" nil="true"></standard-discount>
  <status nil="true"></status>
  <updated-at type="datetime">2012-07-02T17:17:54-04:00</updated-at>
  <category-list type="array"/>
</agency>
<advertiser>
  <account-number nil="true"></account-number>
  <created-at type="datetime">2012-07-02T16:28:49-04:00</created-at>
  <credit-approved type="boolean">>false</credit-approved>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <id type="integer">1</id>
  <industry-id type="integer" nil="true"></industry-id>
  <lock-version type="integer">0</lock-version>
  <name>aiMatch_adMeld_Integration_Advertiser</name>
  <perishable-token>rhwxKGAX9OpJPWx3hR</perishable-token>
  <pre-pay type="boolean" nil="true"></pre-pay>
  <region-id type="integer" nil="true"></region-id>
  <standard-discount type="decimal" nil="true"></standard-discount>
  <status nil="true"></status>
  <updated-at type="datetime">2012-07-02T16:28:49-04:00</updated-at>
  <category-list type="array"/>
</advertiser>
</proposal>

```

## Reverting a Proposal to a previous (or newer) version

PUT: <https://beta.aimatch.com/proposals/4/revert/2.xml>

This will create a new version of the proposal based on the version chosen - 2 in this example.

The response will contain the proposal id, name, and new version number. The status code will be 200.

```

<?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <id type="integer">4</id>

```

```
<name>TestProposal4</name>
<version type="integer">4</version>
</proposal>
```

The proposal now looks like this:

```
GET: https://beta.aimatch.com/proposals/4.xml
<?xml version="1.0" encoding="UTF-8"?>
<proposal>
  <created-at type="datetime">2011-05-27T15:48:15-04:00</created-at>
  <discount type="decimal" nil="true"></discount>
  <end-date type="date" nil="true"></end-date>
  <expiration-date type="date">2012-03-17</expiration-date>
  <external-id nil="true"></external-id>
  <id type="integer">4</id>
  <lock-version type="integer">3</lock-version>
  <name>TestProposal4</name>
  <notes nil="true"></notes>
  <po-number nil="true"></po-number>
  <probability type="integer" nil="true"></probability>
  <start-date type="date" nil="true"></start-date>
  <updated-at type="datetime">2011-05-27T16:43:43-04:00</updated-at>
  <version type="integer">4</version>
  <line-items type="array">
    <line-item>
      <actions type="integer" nil="true"></actions>
      <additional-fees type="decimal" nil="true"></additional-fees>
      <bonus-actions type="integer" nil="true"></bonus-actions>
      <bonus-clicks type="integer" nil="true"></bonus-clicks>
      <bonus-impressions type="integer" nil="true"></bonus-impressions>
      <clicks type="integer" nil="true"></clicks>
      <cost-actions type="decimal" nil="true"></cost-actions>
      <cost-clicks type="decimal" nil="true"></cost-clicks>
      <cost-impressions type="decimal" nil="true"></cost-impressions>
      <created-at type="datetime">2011-05-27T15:48:16-04:00</created-at>
      <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
      <end-date type="datetime" nil="true"></end-date>
      <flat-rate type="decimal" nil="true"></flat-rate>
      <flat-rate-flag>cost_per</flat-rate-flag>
      <id type="integer">4</id>
      <impressions type="integer">20</impressions>
      <lock-version type="integer">2</lock-version>
      <name>test_prop_4_li_1</name>
      <proposal-id type="integer">4</proposal-id>
      <size-id type="integer" nil="true"></size-id>
      <start-date type="datetime">2011-05-31T00:00:00-04:00</start-date>
      <status nil="true"></status>
      <targets-group-logic nil="true"></targets-group-logic>
      <updated-at type="datetime">2011-05-27T16:43:43-04:00</updated-at>
      <version type="integer">3</version>
      <targets type="array"/>
      <areas type="array"/>
      <tag-values type="array"/>
      <sites type="array">
        <site>
```

```

    <created-at type="datetime">2011-05-27T15:48:16-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">110</id>
    <line-item-id type="">4</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_4_li_1_site_1</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-27T15:48:16-04:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-05-27T15:48:16-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">111</id>
    <line-item-id type="">4</line-item-id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_4_li_1_site_2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-27T15:48:16-04:00</updated-at>
  </site>
</sites>
<product>
  <created-at type="datetime">2011-05-27T15:48:15-04:00</created-at>
  <description nil="true"></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal">2.15</floor-rate>
  <goal-rate type="decimal">3.15</goal-rate>
  <id type="integer">6</id>
  <list-rate type="decimal">3.25</list-rate>
  <lock-version type="integer">1</lock-version>
  <name>test_prop_4_prod_1_updated</name>
  <rate-style>additional</rate-style>
  <rate-type>CPC</rate-type>
  <targeting-type>None</targeting-type>
  <targets-group-logic>OR</targets-group-logic>
  <updated-at type="datetime">2011-05-27T16:13:31-04:00</updated-at>
  <targets type="array">
    <target>
      <created-at type="datetime">2011-05-27T15:48:15-04:00</created-
at>
      <creator-id type="integer" nil="true"></creator-id>
      <description nil="true"></description>
      <id type="integer">8</id>
      <lock-version type="integer">0</lock-version>
      <name>test_prop_4_prod_1_tar_1</name>
      <product-id type="">6</product-id>
      <updated-at type="datetime">2011-05-27T15:48:15-04:00</updated-
at>
      <rules type="array">
        <rule type="TargetRule">
          <connector nil="true"></connector>
          <created-at type="datetime">2011-05-27T15:48:15-
04:00</created-at>
          <id type="integer">45</id>
          <left-parentheses-count type="integer">0</left-parentheses-
count>
          <left-value>AREA</left-value>

```

```

        <lock-version type="integer">0</lock-version>
        <operator>Equals</operator>
        <position type="integer">1</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>Blog</right-value>
        <updated-at type="datetime">2011-05-27T15:48:15-
04:00</updated-at>
    </rule>
    <rule type="TargetRule">
        <connector>AND</connector>
        <created-at type="datetime">2011-05-27T15:48:15-
04:00</created-at>
        <id type="integer">46</id>
        <left-parentheses-count type="integer">1</left-parentheses-
count>
        <left-value>DAYOFWEEK</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>In</operator>
        <position type="integer">2</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
        <updated-at type="datetime">2011-05-27T15:48:15-
04:00</updated-at>
    </rule>
</rules>
</target>
</targets>
<dynamic-targets type="array"/>
<tier>
    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<sizes type="array">
    <size>
        <id type="integer">0</id>
        <name>(none specified)</name>
    </size>
</sizes>
</product>
<category-list type="array"/>
</line-item>
</line-items>
<terms-and-conditions type="array">

```

```

<terms-and-conditions>
  <created-at type="datetime">2011-05-27T15:48:15-04:00</created-at>
  <id type="integer">6</id>
  <lock-version type="integer">2</lock-version>
  <name>test_prop_4_t_and_c_1_updated_again</name>
  <proposal-id type="">4</proposal-id>
  <terms-and-conditions-text>T and C text updated again</terms-and-
conditions-text>
  <updated-at type="datetime">2011-05-27T16:42:52-04:00</updated-at>
</terms-and-conditions>
</terms-and-conditions>
</proposal>

```

## Converting a Proposal to a Campaign

POST: [https://beta.aimatch.com/proposals/4/convert\\_to\\_campaign.xml](https://beta.aimatch.com/proposals/4/convert_to_campaign.xml)

If there are any errors, you will receive a 422, and the response will look like this:

```

<?xml version="1.0" encoding="UTF-8"?>
<errors>
  <error>The advertiser is missing.</error>
</errors>

```

On success, this will create a new campaign based on the proposal.

The response will contain the new campaign. The status code will be 200.

```

<?xml version="1.0" encoding="UTF-8"?>
<campaign>
  <campaign-type>Guaranteed</campaign-type>
  <created-at type="datetime">2011-05-27T18:00:07-04:00</created-at>
  <description nil="true"></description>
  <end-date type="date" nil="true"></end-date>
  <external-id nil="true"></external-id>
  <flags type="integer">0</flags>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>TestProposal4</name>
  <notes nil="true"></notes>
  <proposal-id type="integer">4</proposal-id>
  <start-date type="date">2011-05-31</start-date>
  <status nil="true"></status>
  <updated-at type="datetime">2011-05-27T18:00:07-04:00</updated-at>
  <flights type="array">
    <flight>
      <actions type="integer" nil="true"></actions>
      <bonus-actions type="integer" nil="true"></bonus-actions>
      <bonus-clicks type="integer" nil="true"></bonus-clicks>
      <bonus-impressions type="integer" nil="true"></bonus-impressions>
      <campaign-id type="integer">3</campaign-id>
      <clicks type="integer" nil="true"></clicks>
      <companion-type nil="true"></companion-type>
    </flight>
  </array>
</campaign>

```

```

<cost-actions type="decimal" nil="true"></cost-actions>
<cost-clicks type="decimal" nil="true"></cost-clicks>
<cost-impressions type="decimal" nil="true"></cost-impressions>
<created-at type="datetime">2011-05-27T18:00:08-04:00</created-at>
<creative-selection-method>Weighted</creative-selection-method>
<daily-end-time type="datetime" nil="true"></daily-end-time>
<daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
<daily-start-time type="datetime" nil="true"></daily-start-time>
<description nil="true"></description>
<end-date type="datetime" nil="true"></end-date>
<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-flag>cost_per</flat-rate-flag>
<flight-type>Guaranteed</flight-type>
<id type="integer">4</id>
<impressions type="integer">20</impressions>
<lock-version type="integer">0</lock-version>
<name>test_prop_6_li_1</name>
<notes nil="true"></notes>
<reference-rate type="integer" nil="true"></reference-rate>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2011-05-31T00:00:00-04:00</start-date>
<status>missing creative</status>
<targets-group-logic nil="true"></targets-group-logic>
<updated-at type="datetime">2011-05-27T18:00:08-04:00</updated-at>
<user-info nil="true"></user-info>
<weight type="integer">1</weight>
<flight-creatives type="array"/>
<targets type="array"/>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">3</id>
  <lock-version type="integer">0</lock-version>
  <name>House</name>
  <preemptible type="boolean">false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">3</rank>
  <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
</tier>
<areas type="array"/>
<tag-values type="array"/>
<product>
  <created-at type="datetime">2011-05-27T15:48:15-04:00</created-at>
  <description nil="true"></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal">2.15</floor-rate>
  <goal-rate type="decimal">3.15</goal-rate>
  <id type="integer">6</id>
  <list-rate type="decimal">3.25</list-rate>
  <lock-version type="integer">1</lock-version>
  <name>test_prop_4_prod_1_updated</name>
  <rate-style>additional</rate-style>

```

```

<rate-type>CPC</rate-type>
<targeting-type>None</targeting-type>
<targets-group-logic>OR</targets-group-logic>
<updated-at type="datetime">2011-05-27T16:13:31-04:00</updated-at>
<targets type="array">
  <target>
    <created-at type="datetime">2011-05-27T15:48:15-04:00</created-
at>
    <creator-id type="integer" nil="true"></creator-id>
    <description nil="true"></description>
    <id type="integer">8</id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_6_prod_1_tar_1</name>
    <product-id type="">6</product-id>
    <updated-at type="datetime">2011-05-27T15:48:15-04:00</updated-
at>
    <rules type="array">
      <rule type="TargetRule">
        <connector nil="true"></connector>
        <created-at type="datetime">2011-05-27T15:48:15-
04:00</created-at>
        <id type="integer">45</id>
        <left-parentheses-count type="integer">0</left-parentheses-
count>
        <left-value>AREA</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>Equals</operator>
        <position type="integer">1</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>Blog</right-value>
        <updated-at type="datetime">2011-05-27T15:48:15-
04:00</updated-at>
      </rule>
      <rule type="TargetRule">
        <connector>AND</connector>
        <created-at type="datetime">2011-05-27T15:48:15-
04:00</created-at>
        <id type="integer">46</id>
        <left-parentheses-count type="integer">1</left-parentheses-
count>
        <left-value>DAYOFWEEK</left-value>
        <lock-version type="integer">0</lock-version>
        <operator>In</operator>
        <position type="integer">2</position>
        <right-parentheses-count type="integer">0</right-parentheses-
count>
        <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
        <updated-at type="datetime">2011-05-27T15:48:15-
04:00</updated-at>
      </rule>
    </rules>
  </target>
</targets>
<dynamic-targets type="array"/>
<tier>

```



```

    <active type="boolean">true</active>
    <created-at type="datetime">2011-04-25T09:55:53-04:00</created-at>
    <flags type="integer">0</flags>
    <grace-period type="integer" nil="true"></grace-period>
    <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
    <id type="integer">3</id>
    <lock-version type="integer">0</lock-version>
    <name>House</name>
    <preemptible type="boolean">>false</preemptible>
    <prioritization-method>Schedule</prioritization-method>
    <rank type="integer">3</rank>
    <updated-at type="datetime">2011-04-25T09:55:53-04:00</updated-at>
  </tier>
  <sizes type="array">
    <size>
      <id type="integer">0</id>
      <name>(none specified)</name>
    </size>
  </sizes>
</product>
<sites type="array">
  <site>
    <created-at type="datetime">2011-05-27T15:48:16-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">110</id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_4_li_1_site_1</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-27T15:48:16-04:00</updated-at>
  </site>
  <site>
    <created-at type="datetime">2011-05-27T15:48:16-04:00</created-at>
    <description nil="true"></description>
    <id type="integer">111</id>
    <lock-version type="integer">0</lock-version>
    <name>test_prop_4_li_1_site_2</name>
    <revenue-cut type="decimal" nil="true"></revenue-cut>
    <updated-at type="datetime">2011-05-27T15:48:16-04:00</updated-at>
  </site>
</sites>
<flight-action-policies type="array"/>
<category-list type="array"/>
<beacon_count type="integer">0</beacon_count>
<top_priority type="integer">0</top_priority>
</flight>
</flights>
<advertiser>
  <account-number nil="true"></account-number>
  <click-url nil="true"></click-url>
  <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
  <credit-approved type="boolean">>false</credit-approved>
  <credit-limit type="decimal" nil="true"></credit-limit>
  <id type="integer">2</id>
  <industry-id type="integer" nil="true"></industry-id>
  <lock-version type="integer">0</lock-version>

```

```

<name>TestAdvertiser</name>
<perishable-token>NwVEn5boUH5wSBsj043N</perishable-token>
<pre-pay type="boolean" nil="true"></pre-pay>
<region-id type="integer" nil="true"></region-id>
<standard-discount type="decimal" nil="true"></standard-discount>
<updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
<contacts type="array">
  <contact>
    <address1 nil="true"></address1>
    <address2 nil="true"></address2>
    <city nil="true"></city>
    <contactable-id type="integer">2</contactable-id>
    <contactable-type>Advertiser</contactable-type>
    <country nil="true"></country>
    <created-at type="datetime">2011-04-25T09:55:52-04:00</created-at>
    <email nil="true"></email>
    <full-name>Test Advertiser User</full-name>
    <id type="integer">2</id>
    <lock-version type="integer">0</lock-version>
    <phone nil="true"></phone>
    <state nil="true"></state>
    <title nil="true"></title>
    <updated-at type="datetime">2011-04-25T09:55:52-04:00</updated-at>
    <website nil="true"></website>
    <zip nil="true"></zip>
  </contact>
</contacts>
</advertiser>
</campaign>

```

## Get a list of Line Items

GET: [https://beta.aimatch.com/line\\_items.xml](https://beta.aimatch.com/line_items.xml)

### XML Response:

```

<line-items type="array">
  <line-item>
    <id type="integer">1</id>
    <name>test_prop_4_li_1</name>
    <link rel="self" href="/line_items/1"/>
  </line-item>
  <line-item>
    <id type="integer">2</id>
    <name>test_prop_4_li_2</name>
    <link rel="self" href="/line_items/2"/>
  </line-item>
  <line-item>
    <id type="integer">3</id>
    <name>test_prop_4_li_3</name>
    <link rel="self" href="/line_items/3"/>
  </line-item>
</line-items>

```

This provides line items 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/line_items.xml?page=3
```

If you want more details than just id and name you can add an include\_details query parameter to the end of the URL:

```
https://beta.aimatch.com/line_items.xml?include_details=true
```

## Creating a new line item without nesting it inside a proposal

```
POST: https://beta.aimatch.com/proposals/1/line_items.xml
<?xml version="1.0" encoding="UTF-8"?>
<line-item>
  <name>Another Line Item For Proposal 1</name>
  <start-date>2012-11-25</start-date>
  <end-date>2012-12-31</end-date>
  <cost-impressions type="decimal">0.05</cost-impressions>
  <product-id>4</product-id>
  <labels type="array">
    <label>
      <name>label1</name>
      <display-name>label1 Display</display-name>
      <value>label1 value</value>
    </label>
  </labels>
  <exposure-policy-ids type="array">
    <id>1045</id>
  </exposure-policy-ids>
</line-item>
```

This will create a new line item for the proposal with id 1.

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<line-item>
  <actions type="integer" nil="true"></actions>
  <additional-fees type="decimal" nil="true"></additional-fees>
  <bonus-actions type="integer" nil="true"></bonus-actions>
  <bonus-clicks type="integer" nil="true"></bonus-clicks>
  <bonus-impressions type="integer" nil="true"></bonus-impressions>
  <clicks type="integer" nil="true"></clicks>
  <cost-actions type="decimal" nil="true"></cost-actions>
  <cost-clicks type="decimal" nil="true"></cost-clicks>
  <cost-impressions type="decimal">0.05</cost-impressions>
  <created-at type="datetime">2012-08-31T11:42:35-04:00</created-at>
  <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
  <end-date type="datetime">2012-12-31T00:00:00-05:00</end-date>
  <flat-rate type="decimal" nil="true"></flat-rate>
  <flat-rate-flag>cost_per</flat-rate-flag>
  <id type="integer">8</id>
```

```

<impressions type="integer" nil="true"></impressions>
<inventory-check-status>OK</inventory-check-status>
<lock-version type="integer">0</lock-version>
<name>Another Line Item For Proposal 1</name>
<notes nil="true"></notes>
<price-check-status>OK</price-check-status>
<product-line nil="true"></product-line>
<proposal-id type="integer">1</proposal-id>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2012-11-25T00:00:00-05:00</start-date>
<status>open</status>
<targets-group-logic nil="true"></targets-group-logic>
<updated-at type="datetime">2012-08-31T11:42:35-04:00</updated-at>
<billable-decision>Weighted</billable-decision>
<sites type="array"/>
<billable-amount-monthly type="array">
  <billable-amount-monthly>
    <amount type="decimal">0.0</amount>
    <created-at type="datetime">2012-08-31T11:42:35-04:00</created-at>
    <id type="integer">12</id>
    <line-item-id type="integer">8</line-item-id>
    <month>2012-11</month>
    <updated-at type="datetime">2012-08-31T11:42:35-04:00</updated-at>
  </billable-amount-monthly>
  <billable-amount-monthly>
    <amount type="decimal">0.0</amount>
    <created-at type="datetime">2012-08-31T11:42:35-04:00</created-at>
    <id type="integer">13</id>
    <line-item-id type="integer">8</line-item-id>
    <month>2012-12</month>
    <updated-at type="datetime">2012-08-31T11:42:35-04:00</updated-at>
  </billable-amount-monthly>
</billable-amount-monthly>
<targets type="array"/>
<product>
  <created-at type="datetime">2012-07-13T11:12:13-04:00</created-at>
  <description></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>
  <goal-rate type="decimal" nil="true"></goal-rate>
  <id type="integer">4</id>
  <list-rate type="decimal">102.0</list-rate>
  <lock-version type="integer">0</lock-version>
  <name>prod_w_sites_and_areas</name>
  <rate-style>additional</rate-style>
  <rate-type>Flat Rate</rate-type>
  <targeting-type>Ad-hoc</targeting-type>
  <targets-group-logic>AND</targets-group-logic>
  <updated-at type="datetime">2012-07-13T11:12:13-04:00</updated-at>
  <targets type="array">
    <target>
      <created-at type="datetime">2012-07-03T11:10:32-04:00</created-at>
      <creator-id type="integer" nil="true"></creator-id>
      <description>sites</description>
      <id type="integer">1</id>
      <lock-version type="integer">1</lock-version>
    </target>
  </targets>
</product>

```

```

<name>test_prop_1_prod_1_tar_1</name>
<product-id type="">4</product-id>
<updated-at type="datetime">2012-07-26T11:13:11-04:00</updated-at>
<rules type="array">
  <rule type="TargetRule">
    <connector nil="true"></connector>
    <created-at type="datetime">2012-07-30T16:39:14-04:00</created-
at>
    <id type="integer">15</id>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <left-value>AREA</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>Equals</operator>
    <position type="integer">1</position>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <right-value>Blog</right-value>
    <updated-at type="datetime">2012-07-30T16:39:14-04:00</updated-
at>
  </rule>
  <rule type="TargetRule">
    <connector>OR</connector>
    <created-at type="datetime">2012-07-30T16:39:14-04:00</created-
at>
    <id type="integer">16</id>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <left-value>DAYOFWEEK</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>In</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
    <updated-at type="datetime">2012-07-30T16:39:14-04:00</updated-
at>
  </rule>
</rules>
</target>
</targets>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2012-07-02T17:43:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTier1</name>
  <preemptible type="boolean">false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">1</rank>
  <updated-at type="datetime">2012-07-02T17:43:53-04:00</updated-at>
</tier>
<dynamic-targets type="array"/>
<sizes type="array">

```

```

    <size>
      <id type="integer">0</id>
      <name>(none specified)</name>
    </size>
  </sizes>
</product>
<areas type="array"/>
<tag-values type="array"/>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1045</id>
    <name>named_exposure_policy</name>
  </exposure-policy>
</exposure-policies>
<category-list type="array"/>
<labels type="array">
  <label>
    <name>labell1</name>
    <display-name>labell1 Display</display-name>
    <value>labell1 value</value>
  </label>
</labels>
</line-item>

```

## Updating a line item without nesting it inside a proposal

changes: name and cost impressions

```

PUT: https://beta.aimatch.com/proposals/1/line_items.xml
?xml version="1.0" encoding="UTF-8"?>
<line-item>
  <name>Another Line Item For Proposal 1 Updated</name>
  <cost-impressions type="decimal">0.75</cost-impressions>
  <billable-decision>Weighted</billable-decision>
</line-item>

```

The response will contain nothing but the status code will be 200.

The line item now looks like this:

```

GET: https://beta.aimatch.com/proposals/1/line_items.xml
<?xml version="1.0" encoding="UTF-8"?>
<line-item>
  <actions type="integer" nil="true"></actions>
  <additional-fees type="decimal" nil="true"></additional-fees>
  <bonus-actions type="integer" nil="true"></bonus-actions>
  <bonus-clicks type="integer" nil="true"></bonus-clicks>
  <bonus-impressions type="integer" nil="true"></bonus-impressions>
  <clicks type="integer" nil="true"></clicks>
  <cost-actions type="decimal" nil="true"></cost-actions>
  <cost-clicks type="decimal" nil="true"></cost-clicks>
  <cost-impressions type="decimal">0.75</cost-impressions>
  <created-at type="datetime">2012-08-31T11:42:35-04:00</created-at>
  <daily-rev-cap type="decimal" nil="true"></daily-rev-cap>
  <end-date type="datetime">2012-12-31T00:00:00-05:00</end-date>

```

```

<flat-rate type="decimal" nil="true"></flat-rate>
<flat-rate-flag>cost_per</flat-rate-flag>
<id type="integer">8</id>
<impressions type="integer" nil="true"></impressions>
<inventory-check-status>OK</inventory-check-status>
<lock-version type="integer">2</lock-version>
<name>Another Line Item For Proposal 1 Updated</name>
<notes nil="true"></notes>
<price-check-status>OK</price-check-status>
<product-line nil="true"></product-line>
<proposal-id type="integer">1</proposal-id>
<size-id type="integer" nil="true"></size-id>
<start-date type="datetime">2012-11-25T00:00:00-05:00</start-date>
<status>open</status>
<targets-group-logic nil="true"></targets-group-logic>
<updated-at type="datetime">2012-08-31T13:00:54-04:00</updated-at>
<billable-decision>As is</billable-decision>
<sites type="array"/>
<billable-amount-monthly type="array">
  <billable-amount-monthly>
    <amount type="decimal">0.0</amount>
    <created-at type="datetime">2012-08-31T13:00:54-04:00</created-at>
    <id type="integer">14</id>
    <line-item-id type="integer">8</line-item-id>
    <month>2012-11</month>
    <updated-at type="datetime">2012-08-31T13:00:54-04:00</updated-at>
  </billable-amount-monthly>
  <billable-amount-monthly>
    <amount type="decimal">0.0</amount>
    <created-at type="datetime">2012-08-31T13:00:54-04:00</created-at>
    <id type="integer">15</id>
    <line-item-id type="integer">8</line-item-id>
    <month>2012-12</month>
    <updated-at type="datetime">2012-08-31T13:00:54-04:00</updated-at>
  </billable-amount-monthly>
</billable-amount-monthly>
<targets type="array"/>
<product>
  <created-at type="datetime">2012-07-13T11:12:13-04:00</created-at>
  <description></description>
  <discount-rate type="decimal" nil="true"></discount-rate>
  <floor-rate type="decimal" nil="true"></floor-rate>
  <goal-rate type="decimal" nil="true"></goal-rate>
  <id type="integer">4</id>
  <list-rate type="decimal">102.0</list-rate>
  <lock-version type="integer">0</lock-version>
  <name>prod_w_sites_and_areas</name>
  <rate-style>additional</rate-style>
  <rate-type>Flat Rate</rate-type>
  <targeting-type>Ad-hoc</targeting-type>
  <targets-group-logic>AND</targets-group-logic>
  <updated-at type="datetime">2012-07-13T11:12:13-04:00</updated-at>
  <targets type="array">
    <target>
      <created-at type="datetime">2012-07-03T11:10:32-04:00</created-at>
      <creator-id type="integer" nil="true"></creator-id>

```

```

<description>sites</description>
<id type="integer">1</id>
<lock-version type="integer">1</lock-version>
<name>test_prop_1_prod_1_tar_1</name>
<product-id type="">4</product-id>
<updated-at type="datetime">2012-07-26T11:13:11-04:00</updated-at>
<rules type="array">
  <rule type="TargetRule">
    <connector nil="true"></connector>
    <created-at type="datetime">2012-07-30T16:39:14-04:00</created-
at>
    <id type="integer">15</id>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <left-value>AREA</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>Equals</operator>
    <position type="integer">1</position>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <right-value>Blog</right-value>
    <updated-at type="datetime">2012-07-30T16:39:14-04:00</updated-
at>
  </rule>
  <rule type="TargetRule">
    <connector>OR</connector>
    <created-at type="datetime">2012-07-30T16:39:14-04:00</created-
at>
    <id type="integer">16</id>
    <left-parentheses-count type="integer">0</left-parentheses-count>
    <left-value>DAYOFWEEK</left-value>
    <lock-version type="integer">0</lock-version>
    <operator>In</operator>
    <position type="integer">2</position>
    <right-parentheses-count type="integer">0</right-parentheses-
count>
    <right-value>SUNDAY,WEDNESDAY,THURSDAY,SATURDAY</right-value>
    <updated-at type="datetime">2012-07-30T16:39:14-04:00</updated-
at>
  </rule>
</rules>
</target>
</targets>
<tier>
  <active type="boolean">true</active>
  <created-at type="datetime">2012-07-02T17:43:53-04:00</created-at>
  <flags type="integer">0</flags>
  <grace-period type="integer" nil="true"></grace-period>
  <grace-period-priority type="decimal" nil="true"></grace-period-
priority>
  <id type="integer">1</id>
  <lock-version type="integer">0</lock-version>
  <name>TestTier1</name>
  <preemptible type="boolean">>false</preemptible>
  <prioritization-method>Schedule</prioritization-method>
  <rank type="integer">1</rank>
  <updated-at type="datetime">2012-07-02T17:43:53-04:00</updated-at>

```



```

</tier>
<dynamic-targets type="array"/>
<sizes type="array">
  <size>
    <id type="integer">0</id>
    <name>(none specified)</name>
  </size>
</sizes>
</product>
<areas type="array"/>
<tag-values type="array"/>
<exposure-policies type="array">
  <exposure-policy>
    <id type="integer">1045</id>
    <name>named_exposure_policy</name>
  </exposure-policy>
</exposure-policies>
<category-list type="array"/>
<labels type="array">
  <label>
    <name>label1</name>
    <display-name>label1 Display</display-name>
    <value>label1 value</value>
  </label>
</labels>
</line-item>

```

## XML REST API: Terms and Conditions

### Get a list of Terms and Conditions

GET: [https://beta.aimatch.com/terms\\_and\\_conditions.xml](https://beta.aimatch.com/terms_and_conditions.xml)

XML Response:

```

<terms_and_conditions type="array">
  <terms_and_conditions>
    <id type="integer">1</id>
    <name>TestTermsAndConditions1</name>
  </terms_and_conditions>
  <terms_and_conditions>
    <id type="integer">2</id>
    <name>TestTermsAndConditions2</name>
  </terms_and_conditions>
  <terms_and_conditions>
    <id type="integer">3</id>
    <name>TestTermsAndConditions3</name>
  </terms_and_conditions>
</terms_and_conditions>

```

This provides terms\_and\_conditions 30 at a time ordered by name. If you want to get the next set you can add a

page query parameter to the end of the URL:

```
https://beta.aimatch.com/terms_and_conditions.xml?page=3
```

## Get a specific Terms and Conditions

```
GET: https://beta.aimatch.com/terms_and_conditions/3.xml
```

XML Response:

```
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <lock-version type="integer">0</lock-version>
  <id type="integer">3</id>
  <name>TestTermsAndConditions3</name>
  <created-at type="datetime">2011-05-24T13:36:55-04:00</created-at>
  <updated-at type="datetime">2011-05-24T15:14:30-04:00</updated-at>
  <terms-and-conditions-text>T and C text 3 text</terms-and-conditions-text>
  <asset-url></asset-url>
</terms-and-conditions>
```

## Creating a Terms and Conditions

```
POST: https://beta.aimatch.com/terms_and_conditions.xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <name>TestTermsAndConditions4</name>
  <terms-and-conditions-text>T and C 4 text</terms-and-conditions-text>
</terms-and-conditions>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <lock-version type="integer">0</lock-version>
  <id type="integer">4</id>
  <name>TestTermsAndConditions4</name>
  <created-at type="datetime">2011-05-24T15:00:20-04:00</created-at>
  <updated-at type="datetime">2011-05-24T15:00:20-04:00</updated-at>
  <terms-and-conditions-text>T and C 4 text</terms-and-conditions-text>
  <asset-url></asset-url>
</terms-and-conditions>
```

## Creating a Terms and Conditions with base64 encoded PDF file

```
POST: https://beta.aimatch.com/terms_and_conditions.xml
```

```
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <name>Terms and conditions 4</name>
  <asset type="file" content-type="application/pdf" name="terms4.pdf">
```

```
<![CDATA[JVBERi0xLjMKJcTl8uXrp/Og0MTGCjQgMCEvYmoKPDwgL0xlbmd0aCA1IDAgUiAv
RmlsdGVyIC9GbGF0ZURlY29kZSA+PgpzdHJlYW0KeAFFjr0KwkaQhHufYkotvMzeJfftKoJtYMEHO
GIhiSHe+4MbLKx2v5mPZTeM2JA8YolOyhDQxwwfXOa+fCY88E=]]>
</asset>
</terms-and-conditions>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <lock-version type="integer">0</lock-version>
  <name>Terms and Conditions 4</name>
  <id type="integer">12</id>
  <created-at type="datetime">2012-11-14T06:16:53-09:00</created-at>
  <updated-at type="datetime">2012-11-14T06:16:53-09:00</updated-at>
  <terms-and-conditions-text/>
  <asset-url>URL for terms4.pdf</asset-url>
</terms-and-conditions>
```

## Updating a Terms and Conditions

```
PUT: https://beta.aimatch.com/terms_and_conditions/4.xml
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <id type="integer">4</id>
  <name>TestTermsAndConditions4Updated</name>
  <lock-version type="integer">0</lock-version>
  <terms-and-conditions-text>T and C 4 text updated</terms-and-conditions-
text>
</terms-and-conditions>
```

The response will contain nothing but the status code will be 200.

The terms\_and\_conditions now looks like this:

```
GET: https://beta.aimatch.com/terms_and_conditions/4.xml
<?xml version="1.0" encoding="UTF-8"?>
<terms-and-conditions>
  <lock-version type="integer">1</lock-version>
  <id type="integer">4</id>
  <name>TestTermsAndConditions4Updated</name>
  <created-at type="datetime">2011-05-24T15:00:20-04:00</created-at>
  <updated-at type="datetime">2011-05-27T18:42:50-04:00</updated-at>
  <terms-and-conditions-text>T and C 4 text updated</terms-and-conditions-
text>
  <asset-url></asset-url>
</terms-and-conditions>
```

## Admin

### XML REST API: Currencies

Currencies are referenced using their ISO 4217 numeric code. For convenience, the alphabetic code is included in currency record XML. The only attribute that may be modified is the conversion rate.

Flights and Line items support setting a flight or line item specific currency by setting the `currency\_id` attribute. At the time the currency is set due to the creation of a flight or line item, or the currency of the flight or line item is changed, the conversion rate of the currency is copied into the `conversion\_rate` attribute of the flight or line item.

#### Get a list of currencies

```
GET: https://beta.aimatch.com/currencies.xml
```

XML Response:

```
<?xml version="1.0"?>
<currencies type="array">
  <currency>
    <id>36</id>
    <code>AUD</code>
    <conversion_rate>1.0</conversion_rate>
  </currency>
  <currency>
    <id>124</id>
    <code>CAD</code>
    <conversion_rate>1.0</conversion_rate>
  </currency>
  ...
</currencies>
```

#### Get a specific currency

```
GET: https://beta.aimatch.com/currencies/840.xml
```

XML Response:

```
<?xml version="1.0"?>
<currency>
  <id>840</id>
  <code>USD</code>
  <conversion_rate>1.0</conversion_rate>
</currency>
```

#### Updating a currency

```
PUT: https://beta.aimatch.com/currencies/978.xml
```

```
<?xml version="1.0"?>
<currency>
  <id>978</id>
  <conversion_rate>5.0</conversion_rate>
</currency>
```

The response will contain the XML representation of the updated currency and the status code will be 200.

The currency now looks like this:

```
<?xml version="1.0"?>
<currency>
  <id>978</id>
  <code>EUR</code>
  <conversion_rate>5.0</conversion_rate>
</currency>
```

## XML REST API: Roles & Permissions

### Get a list of Roles

GET: <https://beta.aimatch.com/roles.xml>

XML Response:

```
<roles type="array">
  <role>
    <id type="integer">8</id>
    <is-system-defined type="boolean">true</is-system-defined>
    <name>Administrator</name>
  </role>
  <role>
    <id type="integer">4</id>
    <is-system-defined type="boolean">true</is-system-defined>
    <name>AdOpsManager</name>
  </role>
  <role>
    <id type="integer">5</id>
    <is-system-defined type="boolean">true</is-system-defined>
    <name>Advertiser</name>
  </role>
  <role>
    <id type="integer">6</id>
    <is-system-defined type="boolean">true</is-system-defined>
    <name>Agency</name>
  </role>
  <role>
    <id type="integer">7</id>
    <is-system-defined type="boolean">true</is-system-defined>
    <name>FinanceUser</name>
  </role>
</roles>
```

```

</role>
<role>
  <id type="integer">9</id>
  <is-system-defined type="boolean">true</is-system-defined>
  <name>Publisher</name>
</role>
<role>
  <id type="integer">14</id>
  <is-system-defined type="boolean">>false</is-system-defined>
  <name>roles_with_flags</name>
</role>
<role>
  <id type="integer">15</id>
  <is-system-defined type="boolean">>false</is-system-defined>
  <name>roles_with_flags Copy</name>
</role>
<role>
  <id type="integer">2</id>
  <is-system-defined type="boolean">true</is-system-defined>
  <name>SalesManager</name>
</role>
<role>
  <id type="integer">1</id>
  <is-system-defined type="boolean">true</is-system-defined>
  <name>Salesperson</name>
</role>
<role>
  <id type="integer">3</id>
  <is-system-defined type="boolean">true</is-system-defined>
  <name>Trafficker</name>
</role>
</roles>

```

This provides roles 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/roles.xml?page=2
```

## Get a specific Role

```
GET: https://beta.aimatch.com/roles/3.xml
```

XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<role>
  <id type="integer">3</id>
  <created-at type="datetime" nil="true"/>
  <is-system-defined type="boolean">true</is-system-defined>
  <lock-version type="integer">0</lock-version>
  <name>Trafficker</name>
  <updated-at type="datetime" nil="true"/>
  <roles_salesperson type="integer">0</roles_salesperson>

```

```

<roles_sales_manager type="integer">0</roles_sales_manager>
<roles_trafficker type="integer">0</roles_trafficker>
<roles_ad_ops_manager type="integer">0</roles_ad_ops_manager>
<permissions type="array">
  <permission type="Permissions::RolePermission">
    <id type="integer">844</id>
    <created-at type="datetime">2014-05-13T08:41:10+12:00</created-at>
    <lock-version type="integer">1</lock-version>
    <entity-name>Action</entity-name>
    <updated-at type="datetime">2014-05-13T08:41:10+12:00</updated-at>
    <mine_view_permission type="integer">0</mine_view_permission>
    <delete_permission type="integer">0</delete_permission>
    <mine_create_permission type="integer">0</mine_create_permission>
    <team_view_permission type="integer">0</team_view_permission>
    <mine_edit_permission type="integer">0</mine_edit_permission>
    <team_create_permission type="integer">0</team_create_permission>
    <mine_delete_permission type="integer">0</mine_delete_permission>
    <view_permission type="integer">1</view_permission>
    <team_edit_permission type="integer">0</team_edit_permission>
    <none_permission type="integer">0</none_permission>
    <create_permission type="integer">0</create_permission>
    <team_delete_permission type="integer">0</team_delete_permission>
    <edit_permission type="integer">0</edit_permission>
  </permission>
  <permission type="Permissions::RolePermission">
    <id type="integer">847</id>
    <created-at type="datetime">2014-05-13T08:41:10+12:00</created-at>
    <lock-version type="integer">1</lock-version>
    <entity-name>ActionReport</entity-name>
    <updated-at type="datetime">2014-05-13T08:41:10+12:00</updated-at>
    <mine_view_permission type="integer">0</mine_view_permission>
    <delete_permission type="integer">0</delete_permission>
    <mine_create_permission type="integer">0</mine_create_permission>
    <team_view_permission type="integer">0</team_view_permission>
    <mine_edit_permission type="integer">0</mine_edit_permission>
    <team_create_permission type="integer">0</team_create_permission>
    <mine_delete_permission type="integer">0</mine_delete_permission>
    <view_permission type="integer">1</view_permission>
    <team_edit_permission type="integer">0</team_edit_permission>
    <none_permission type="integer">0</none_permission>
    <create_permission type="integer">0</create_permission>
    <team_delete_permission type="integer">0</team_delete_permission>
    <edit_permission type="integer">1</edit_permission>
  </permission>
</permissions>
</role>

```

## Creating a Role

```

POST: https://beta.aimatch.com/roles.xml
<?xml version="1.0" encoding="UTF-8"?>
<role>
  <name>Senior Trafficker I</name>
  <roles_salesperson type="integer">0</roles_salesperson>

```

```

<roles_sales_manager type="integer">0</roles_sales_manager>
<roles_trafficker type="integer">1</roles_trafficker>
<roles_ad_ops_manager type="integer">1</roles_ad_ops_manager>
</role>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<role>
  <id type="integer">17</id>
  <created-at type="datetime">2014-06-25T07:42:22+12:00</created-at>
  <is-system-defined type="boolean">>false</is-system-defined>
  <lock-version type="integer">0</lock-version>
  <name>Senior Trafficker I</name>
  <updated-at type="datetime">2014-06-25T07:42:22+12:00</updated-at>
  <permissions type="array"/>
  <roles_salesperson type="integer">0</roles_salesperson>
  <roles_sales_manager type="integer">0</roles_sales_manager>
  <roles_trafficker type="integer">1</roles_trafficker>
  <roles_ad_ops_manager type="integer">1</roles_ad_ops_manager>
</role>

```

## Updating a Role and Permissions

PUT: <https://beta.aimatch.com/roles/3.xml>

This is a list of entities that you can set permissions: Alert, BackgroundTask, Tier, Campaign, Flight, Creative, CreativeFormat, MimeType, Action, Label, PrivacyShield, Target, Tag, UpliftTag, TagGroup, Site, Area, Size, SupertagValue, Placement, Connector, Event, ExposurePolicy, Advertiser, Agency, AgencyGlobalDiscount, Category, Publisher, Industry, Region, Product, Proposal, Rfp, Lineltem, Uplift, TermsAndConditions, Avail, ConvertToCampaign, ConvertedProposal, RevertProposal, ApproveOrRejectAlerts, RequestApprovalOrNotifyAlerts, ApiKey, AuditLog, Role, ScalingEvent, Team, User, Openrtb, PeakCapacity, AdvertisersReport, AreaSizeReport, AudienceRevenueReport, BillingReport, BillingDashboardReport, BiReport, PublishersReport, ScheduleReport, SiteAreaReport, SizeServedReport, TagSummaryReport, TagValueReport, TimeOfDayReport, ActionReport, ProductReport, UvReport, DeviceReport, WorkflowRevenueReport, PerformanceReport, Dashboards, DashboardFlightRisk, Media, AdvertiserCreativeTemplate, Snippet, XmlApiDocs, Network, PubMatic, Index, Rubicon, AppNexus, Prebid, Adela, TripleLift, FunctionalAreasSalesperson, FunctionalAreasTrafficker, RssFeed, FunctionalAreasFlightCreative, DataAccess, UserRegistration

```

<role>
  <permissions-attributes type="array">
    <permission>
      <entity-name>Tier</entity-name>
      <view-permission type="integer">1</view-permission>
      <create-permission type="integer">1</create-permission>
      <edit-permission type="integer">1</edit-permission>
      <delete-permission type="integer">0</delete-permission>
      <none-permission type="integer">0</none-permission>
    </permission>
    <permission>
      <entity-name>Campaign</entity-name>
      <view-permission type="integer">1</view-permission>
      <create-permission type="integer">1</create-permission>
      <edit-permission type="integer">1</edit-permission>

```









```

    <mine-view-permission type="integer">1</mine-view-permission>
    <mine-edit-permission type="integer">1</mine-edit-permission>
    <mine-delete-permission type="integer">1</mine-delete-permission>
  </permission>
</permission>
  <entity-name>Rfp</entity-name>
  <view-permission type="integer">1</view-permission>
  <create-permission type="integer">1</create-permission>
  <edit-permission type="integer">1</edit-permission>
  <delete-permission type="integer">0</delete-permission>
  <none-permission type="integer">0</none-permission>
</permission>
<permission>
  <entity-name>LineItem</entity-name>
  <view-permission type="integer">1</view-permission>
  <create-permission type="integer">1</create-permission>
  <edit-permission type="integer">1</edit-permission>
  <delete-permission type="integer">1</delete-permission>
  <none-permission type="integer">0</none-permission>
  <team-view-permission type="integer">1</team-view-permission>
  <team-edit-permission type="integer">1</team-edit-permission>
  <team-delete-permission type="integer">1</team-delete-permission>
  <mine-view-permission type="integer">1</mine-view-permission>
  <mine-edit-permission type="integer">1</mine-edit-permission>
  <mine-delete-permission type="integer">1</mine-delete-permission>
</permission>
<permission>
  <entity-name>Uplift</entity-name>
  <view-permission type="integer">1</view-permission>
  <create-permission type="integer">1</create-permission>
  <edit-permission type="integer">1</edit-permission>
  <delete-permission type="integer">0</delete-permission>
  <none-permission type="integer">0</none-permission>
</permission>
<permission>
  <entity-name>TermsAndConditions</entity-name>
  <view-permission type="integer">1</view-permission>
  <create-permission type="integer">1</create-permission>
  <edit-permission type="integer">1</edit-permission>
  <delete-permission type="integer">0</delete-permission>
  <none-permission type="integer">0</none-permission>
</permission>
<permission>
  <entity-name>Avail</entity-name>
  <view-permission type="integer">1</view-permission>
</permission>
<permission>
  <entity-name>ConvertToCampaign</entity-name>
  <create-permission type="integer">1</create-permission>
</permission>
<permission>
  <entity-name>ConvertedProposal</entity-name>
  <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
  <entity-name>User</entity-name>

```



```

    <entity-name>DemographicReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>GeoReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>PublishersReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>ScheduleReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>SiteAreaReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>SizeServedReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>TagSummaryReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>TimeOfDayReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>ThirdPartyReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>ActionReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>ProductReport</entity-name>
    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
</permission>
<permission>
    <entity-name>UvReport</entity-name>

```

```

    <view-permission type="integer">1</view-permission>
    <edit-permission type="integer">1</edit-permission>
  </permission>
</permission>
  <entity-name>DeviceReport</entity-name>
  <view-permission type="integer">1</view-permission>
  <edit-permission type="integer">1</edit-permission>
</permission>
</permission>
  <entity-name>WorkflowRevenueReport</entity-name>
  <view-permission type="integer">1</view-permission>
  <edit-permission type="integer">1</edit-permission>
</permission>
</permission>
  <entity-name>PerformanceReport</entity-name>
  <view-permission type="integer">1</view-permission>
  <edit-permission type="integer">1</edit-permission>
</permission>
</permission>
  <entity-name>Dashboards</entity-name>
  <view-permission type="integer">1</view-permission>
</permission>
</permission>
  <entity-name>DashboardFlightRisk</entity-name>
  <view-permission type="integer">1</view-permission>
</permission>
</permission>
  <entity-name>Media</entity-name>
  <view-permission type="integer">1</view-permission>
  <create-permission type="integer">1</create-permission>
  <edit-permission type="integer">1</edit-permission>
  <delete-permission type="integer">0</delete-permission>
  <none-permission type="integer">0</none-permission>
</permission>
</permission>
  <entity-name>AdvertiserCreativeTemplate</entity-name>
  <view-permission type="integer">1</view-permission>
  <create-permission type="integer">1</create-permission>
  <edit-permission type="integer">1</edit-permission>
  <delete-permission type="integer">0</delete-permission>
  <none-permission type="integer">0</none-permission>
</permission>
</permission>
  <entity-name>XmlApiDocs</entity-name>
  <view-permission type="integer">1</view-permission>
</permission>
</permission>
  <entity-name>Index</entity-name>
  <view-permission type="integer">1</view-permission>
</permission>
</permission>
  <entity-name>PubMatic</entity-name>
  <view-permission type="integer">1</view-permission>
</permission>
</permissions-attributes>

```

```
</role>
```

The response will contain nothing but the status code will be 200.

## XML REST APIs: Scaling Events

### Get a list of Scaling Events

```
GET: https://beta.aimatch.com/scaling_events.xml
```

XML Response:

```
<scaling-events type="array">
  <scaling-event>
    <id type="integer">1</id>
    <start-date type="dateTime">2019-10-31T11:15:24-04:00</start-date>
    <end-date type="dateTime">2019-11-01T12:15:24-04:00</end-date>
    <name>ScalingEvent1</name>
    <size type="integer">512</size>
    <amount type="integer">20</amount>
    <lock-version type="integer">0</lock-version>
    <created-at type="dateTime">2019-10-30T11:15:24-04:00</created-at>
    <updated-at type="dateTime">2019-10-30T11:15:24-04:00</updated-at>
  </scaling-event>
  <scaling-event>
    <id type="integer">2</id>
    <start-date type="dateTime">2019-11-02T11:15:25-04:00</start-date>
    <end-date type="dateTime">2019-11-03T12:15:25-05:00</end-date>
    <name>ScalingEvent2</name>
    <size type="integer">1024</size>
    <amount type="integer">10</amount>
    <lock-version type="integer">0</lock-version>
    <created-at type="dateTime">2019-10-30T11:15:25-04:00</created-at>
    <updated-at type="dateTime">2019-10-30T11:15:25-04:00</updated-at>
  </scaling-event>
</scaling-events>
```

This provides scaling events 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/scaling_events.xml?page=3
```

### Get a specific Scaling Event

```
GET: https://beta.aimatch.com/scaling_events/1.xml
```

XML Response:



```
<scaling-event>
  <id type="integer">1</id>
  <start-date type="dateTime">2019-10-31T11:15:24-04:00</start-date>
  <end-date type="dateTime">2019-11-01T12:15:24-04:00</end-date>
  <name>ScalingEvent1</name>
  <size type="integer">512</size>
  <amount type="integer">20</amount>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2019-10-30T11:15:24-04:00</created-at>
  <updated-at type="dateTime">2019-10-30T11:15:24-04:00</updated-at>
</scaling-event>
```

## Creating a Scaling Event

POST: [https://beta.aimatch.com/scaling\\_events.xml](https://beta.aimatch.com/scaling_events.xml)

```
<scaling-event>
  <start-date type="dateTime">2019-11-04T11:15:24-04:00</start-date>
  <end-date type="dateTime">2019-11-05T12:15:24-04:00</end-date>
  <name>ScalingEvent3</name>
  <size type="integer">2048</size>
  <amount type="integer">13</amount>
</scaling-event>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<scaling-event>
  <id type="integer">4</id>
  <start-date type="dateTime">2019-11-04T10:15:24-05:00</start-date>
  <end-date type="dateTime">2019-11-05T11:15:24-05:00</end-date>
  <name>ScalingEvent3</name>
  <size type="integer">2048</size>
  <amount type="integer">13</amount>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2019-10-31T11:10:14-04:00</created-at>
  <updated-at type="dateTime">2019-10-31T11:10:14-04:00</updated-at>
</scaling-event>
```

## Updating a Scaling Event

PUT: [https://beta.aimatch.com/scaling\\_events.xml](https://beta.aimatch.com/scaling_events.xml)

```
<scaling-event>
  <start-date type="dateTime">2019-11-04T11:15:24-04:00</start-date>
  <end-date type="dateTime">2019-11-05T12:15:24-04:00</end-date>
  <name>ScalingEvent3</name>
  <size type="integer">2048</size>
  <amount type="integer">13</amount>
```

```
</scaling-event>
```

The response will contain nothing but the status code will be 200.

The scaling event now looks like this:

```
GET: https://beta.aimatch.com/scaling_events/4.xml
```

```
<scaling-event>
  <id type="integer">4</id>
  <start-date type="dateTime">2019-11-04T10:15:24-05:00</start-date>
  <end-date type="dateTime">2019-11-05T11:15:24-05:00</end-date>
  <name>ScalingEvent3-</name>
  <size type="integer">2048</size>
  <amount type="integer">13</amount>
  <lock-version type="integer">1</lock-version>
  <created-at type="dateTime">2019-10-31T11:10:14-04:00</created-at>
  <updated-at type="dateTime">2019-11-04T09:37:41-05:00</updated-at>
</scaling-event>
```

## Deleting a Scaling Event

```
DELETE: https://beta.aimatch.com/scaling_events.xml
```

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <id type="integer">4</id>
</hash>
response: 200
```

## XML REST APIs: Peak Capacities

- [Get a list of Peak Capacities](#)
- [Get a specific Peak Capacity](#)
- [Create a Peak Capacity](#)
- [Update a Peak Capacity](#)
- [Delete a Peak Capacity](#)

### Get a list of Peak Capacities

```
GET: https://beta.aimatch.com/peak_capacities.xml
```

XML Response:

```
<peak-capacities type="array">
  <peak-capacity>
    <id type="integer">1</id>
```

```
<name>World cup 2022</name>
<start-date type="date">2023-02-07</start-date>
<peak-capacity-unit type="integer">10001</peak-capacity-unit>
</peak-capacity>
<peak-capacity>
  <id type="integer">2</id>
  <name>World cup 2026</name>
  <start-date type="date">2023-02-27</start-date>
  <peak-capacity-unit type="integer">1000000</peak-capacity-unit>
</peak-capacity>
</peak-capacities>
```

This provides peak capacities 30 at a time ordered by start date. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/peak_capacities.xml?page=3
```

This by default provides **active** peak capacities. If you want to get past or inactive list:

```
https://beta.aimatch.com/peak_capacities.xml?search%5Bstatus_eq%5D=closed
```

## Get a specific Peak Capacity

```
GET: https://beta.aimatch.com/peak_capacities/1.xml
```

XML Response:

```
<peak-capacity>
  <id type="integer">1</id>
  <name>World cup 2022</name>
  <start-date type="date">2023-02-07</start-date>
  <peak-capacity-unit type="integer">10001</peak-capacity-unit>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2023-02-07T20:54:37+01:00</created-at>
  <updated-at type="dateTime">2023-02-07T20:54:37+01:00</updated-at>
</peak-capacity>
```

## Create a Peak Capacity

The start date can be today or a future date. The peak capacity unit must be greater than the baseline 10000.

```
POST: https://beta.aimatch.com/peak_capacities.xml
```

```
<peak-capacity>
  <name>6N</name>
  <start-date type="date">2023-12-31</start-date>
  <peak-capacity-unit type="integer">100000</peak-capacity-unit>
</peak-capacity>
```

Response (HTTP status: 201 Created):

```
<peak-capacity>
  <id type="integer">3</id>
  <name>6N</name>
  <start-date type="date">2023-12-31</start-date>
  <peak-capacity-unit type="integer">100000</peak-capacity-unit>
  <lock-version type="integer">0</lock-version>
  <created-at type="dateTime">2023-02-10T21:04:11+01:00</created-at>
  <updated-at type="dateTime">2023-02-10T21:04:11+01:00</updated-at>
</peak-capacity>
```

## Update a Peak Capacity

The start date cannot be changed once created. For today, the peak capacity unit can only be adjusted up.

```
PUT: https://beta.aimatch.com/peak_capacities/3.xml
```

```
<peak-capacity>
  <peak-capacity-unit type="integer">150000</peak-capacity-unit>
</peak-capacity>
```

The response will contain nothing but the status code will be 200.

The peak capacity now looks like this:

```
GET: https://beta.aimatch.com/peak_capacities/3.xml
```

```
<peak-capacity>
  <id type="integer">3</id>
  <name>6N Updated</name>
  <start-date type="date">2023-12-31</start-date>
  <peak-capacity-unit type="integer">150000</peak-capacity-unit>
  <lock-version type="integer">2</lock-version>
  <created-at type="dateTime">2023-02-10T21:04:11+01:00</created-at>
  <updated-at type="dateTime">2023-02-10T21:16:34+01:00</updated-at>
</peak-capacity>
```

## Delete a Peak Capacity

```
DELETE: https://beta.aimatch.com/peak_capacities/3.xml
```

Response (HTTP status: 200 Ok):

## XML REST API: Teams

- [Get a list of Teams](#)
- [Get a specific Team](#)
- [Create a Team](#)
- [Update a Team](#)
- [Delete a Team member](#)

## Get a list of Teams

GET: <https://beta.aimatch.com/teams.xml>

### XML Response:

```
<teams type="array">
  <team>
    <name>CN</name>
    <id type="integer">6</id>
    <tiers type="array"/>
    <members type="array">
      <member type="User">
        <id type="integer">8</id>
        <full-name></full-name>
        <active type="boolean">true</active>
        <login>user_1</login>
        <user-roles type="array">
          <user-role>
            <team-id type="integer" nil="true"/>
            <role-id type="integer">3</role-id>
            <id type="integer">23</id>
            <is-default type="boolean">true</is-default>
          </user-role>
          <user-role>
            <team-id type="integer">6</team-id>
            <role-id type="integer">3</role-id>
            <id type="integer">26</id>
            <is-default type="boolean">false</is-default>
          </user-role>
        </user-roles>
      </member>
      <member type="User">
        <id type="integer">10</id>
        <full-name></full-name>
        <active type="boolean">true</active>
        <login>user_3</login>
        <user-roles type="array">
          <user-role>
            <team-id type="integer" nil="true"/>
            <role-id type="integer">3</role-id>
            <id type="integer">25</id>
            <is-default type="boolean">true</is-default>
          </user-role>
          <user-role>
            <team-id type="integer">6</team-id>
            <role-id type="integer">3</role-id>
            <id type="integer">27</id>
            <is-default type="boolean">false</is-default>
          </user-role>
        </user-roles>
      </member>
    </members>
  </team>
</teams>
```

```

    </members>
  </team>
  <team>
    <name>US</name>
    <id type="integer">7</id>
    <tiers type="array">
      <tier>
        <name>House</name>
        <id type="integer">1</id>
      </tier>
    </tiers>
    <members type="array">
      <member type="User">
        <id type="integer">9</id>
        <full-name></full-name>
        <active type="boolean">true</active>
        <login>user_2</login>
        <user-roles type="array">
          <user-role>
            <team-id type="integer" nil="true"/>
            <role-id type="integer">1</role-id>
            <id type="integer">24</id>
            <is-default type="boolean">true</is-default>
          </user-role>
          <user-role>
            <team-id type="integer">7</team-id>
            <role-id type="integer">1</role-id>
            <id type="integer">28</id>
            <is-default type="boolean">false</is-default>
          </user-role>
        </user-roles>
      </member>
    </members>
  </team>
</teams>

```

This provides teams 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/teams.xml?page=2
```

## Get a specific Team

```
GET: https://beta.aimatch.com/teams/7.xml
```

XML Response:

```

<team>
  <name>US</name>
  <id type="integer">7</id>
  <tiers type="array"/>
  <members type="array">
    <member type="User">

```

```

<id type="integer">9</id>
<full-name></full-name>
<active type="boolean">true</active>
<login>user_2</login>
<user-roles type="array">
  <user-role>
    <team-id type="integer" nil="true"/>
    <role-id type="integer">1</role-id>
    <id type="integer">24</id>
    <is-default type="boolean">true</is-default>
  </user-role>
  <user-role>
    <team-id type="integer">7</team-id>
    <role-id type="integer">1</role-id>
    <id type="integer">28</id>
    <is-default type="boolean">false</is-default>
  </user-role>
</user-roles>
</member>
</members>
</team>

```

## Creating a Team with members resulting in the members getting the default of user-role of "Trafficker" (which has a role-id of 1 for this example)

NOTE: the ids are a comma separated list of user ids

```

POST: https://beta.aimatch.com/teams.xml
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <name>West</name>
  <member-ids>9,11</member-ids>
</team>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<team>
  <id type="integer">9</id>
  <name>West</name>
  <tiers type="array"/>
  <members type="array">
    <member type="User">
      <login>user_2</login>
      <id type="integer">9</id>
      <full-name></full-name>
      <active type="boolean">true</active>
      <user-roles type="array">
        <user-role>
          <role-id type="integer">1</role-id>
          <id type="integer">24</id>
          <team-id type="integer" nil="true"/>

```

```

    <is-default type="boolean">true</is-default>
  </user-role>
  <user-role>
    <role-id type="integer">1</role-id>
    <id type="integer">28</id>
    <team-id type="integer">7</team-id>
    <is-default type="boolean">>false</is-default>
  </user-role>
  <user-role>
    <role-id type="integer">3</role-id>
    <id type="integer">30</id>
    <team-id type="integer">9</team-id>
    <is-default type="boolean">>false</is-default>
  </user-role>
</user-roles>
</member>
</members>
</team>

```

## Creating a Team with members resulting in the members getting the user-role of "Salesperson" (which has a role-id of 3 for this example)

NOTE: the member ids are passed using an alternative method where an array of member-id nodes is used

```

POST: https://beta.aimatch.com/teams.xml
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <name>East</name>
  <default-role-id type="integer">3</default-role-id>
  <member-ids type="array">
    <member-id type="integer">8</member-id>
    <member-id type="integer">10</member-id>
  </member-ids>
</team>

```

Response (HTTP status: 201 Created):

```

<?xml version="1.0" encoding="UTF-8"?>
<team>
  <id type="integer">10</id>
  <name>East</name>
  <tiers type="array"/>
  <members type="array">
    <member type="User">
      <login>user_1</login>
      <id type="integer">8</id>
      <full-name></full-name>
      <active type="boolean">true</active>
      <user-roles type="array">
        <user-role>
          <role-id type="integer">3</role-id>
          <id type="integer">23</id>

```



```

    <team-id type="integer" nil="true"/>
    <is-default type="boolean">true</is-default>
  </user-role>
  <user-role>
    <role-id type="integer">3</role-id>
    <id type="integer">26</id>
    <team-id type="integer">6</team-id>
    <is-default type="boolean">>false</is-default>
  </user-role>
  <user-role>
    <role-id type="integer">3</role-id>
    <id type="integer">31</id>
    <team-id type="integer">10</team-id>
    <is-default type="boolean">>false</is-default>
  </user-role>
</user-roles>
</member>
<member type="User">
  <login>user_3</login>
  <id type="integer">10</id>
  <full-name></full-name>
  <active type="boolean">true</active>
  <user-roles type="array">
    <user-role>
      <role-id type="integer">3</role-id>
      <id type="integer">25</id>
      <team-id type="integer" nil="true"/>
      <is-default type="boolean">true</is-default>
    </user-role>
    <user-role>
      <role-id type="integer">3</role-id>
      <id type="integer">27</id>
      <team-id type="integer">6</team-id>
      <is-default type="boolean">>false</is-default>
    </user-role>
    <user-role>
      <role-id type="integer">3</role-id>
      <id type="integer">32</id>
      <team-id type="integer">10</team-id>
      <is-default type="boolean">>false</is-default>
    </user-role>
  </user-roles>
</member>
</members>
</team>

```

## Creating a Team with Tiers

```

POST: https://beta.aimatch.com/teams.xml
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <name>EU</name>
  <tier-ids type="array">
    <id>2</id>

```

```
</tier-ids>
</team>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <id type="integer">14</id>
  <name>EU</name>
  <members type="array"/>
  <tiers type="array">
    <tier>
      <id type="integer">2</id>
      <name>Tier2</name>
      <active type="boolean">true</active>
      <prioritization-method>CPM</prioritization-method>
      <grace-period type="integer" nil="true"/>
      <grace-period-priority type="decimal" nil="true"/>
      <flags type="integer">0</flags>
      <rank type="integer">2</rank>
      <preemptible type="boolean">false</preemptible>
      <biddable type="boolean">false</biddable>
      <pmpenabled type="boolean">false</pmpenabled>
      <preferred-deal>compete all</preferred-deal>
      <first-right-deal>compete all</first-right-deal>
      <private-deal>compete all</private-deal>
      <guaranteed-deal>compete all</guaranteed-deal>
      <bid-floor>higher of</bid-floor>
      <override-raq-rule type="boolean">false</override-raq-rule>
      <eliminate-duplicate-flights type="boolean">false</eliminate-duplicate-
flights>
      <eliminate-duplicate-advertisers type="boolean">false</eliminate-
duplicate-advertisers>
      <multi-variant type="boolean">false</multi-variant>
      <team-ids type="array">
        <team-id type="integer">1</team-id>
        <team-id type="integer">2</team-id>
        <team-id type="integer">13</team-id>
        <team-id type="integer">14</team-id>
      </team-ids>
    </tier>
  </tiers>
</team>
```

## Updating a Team - change the name and add a member with user-role of "Salesperson" (again, role-id of 3 for this example)

```
PUT: https://beta.aimatch.com/teams/10.xml
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <name>East1a</name>
  <default-role-id type="integer">3</default-role-id>
  <member-ids>11</member-ids>
```

```
</team>
```

The response will contain nothing but the status code will be 200.

The team will now look like this:

```
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <id type="integer">10</id>
  <name>Eastla</name>
  <tiers type="array"/>
  <members type="array">
    <member type="User">
      <login>user_1</login>
      <id type="integer">8</id>
      <full-name></full-name>
      <active type="boolean">true</active>
      <user-roles type="array">
        <user-role>
          <role-id type="integer">3</role-id>
          <id type="integer">23</id>
          <team-id type="integer" nil="true"/>
          <is-default type="boolean">true</is-default>
        </user-role>
        <user-role>
          <role-id type="integer">3</role-id>
          <id type="integer">26</id>
          <team-id type="integer">6</team-id>
          <is-default type="boolean">>false</is-default>
        </user-role>
        <user-role>
          <role-id type="integer">3</role-id>
          <id type="integer">31</id>
          <team-id type="integer">10</team-id>
          <is-default type="boolean">>false</is-default>
        </user-role>
      </user-roles>
    </member>
    <member type="User">
      <login>user_3</login>
      <id type="integer">10</id>
      <full-name></full-name>
      <active type="boolean">true</active>
      <user-roles type="array">
        <user-role>
          <role-id type="integer">3</role-id>
          <id type="integer">25</id>
          <team-id type="integer" nil="true"/>
          <is-default type="boolean">true</is-default>
        </user-role>
        <user-role>
          <role-id type="integer">3</role-id>
          <id type="integer">27</id>
          <team-id type="integer">6</team-id>
          <is-default type="boolean">>false</is-default>
        </user-role>
      </user-roles>
    </member>
  </members>
</team>
```

```

    </user-role>
    <user-role>
      <role-id type="integer">3</role-id>
      <id type="integer">32</id>
      <team-id type="integer">10</team-id>
      <is-default type="boolean">>false</is-default>
    </user-role>
  </user-roles>
</member>
<member type="User">
  <login>user_4</login>
  <id type="integer">11</id>
  <full-name></full-name>
  <active type="boolean">>true</active>
  <user-roles type="array">
    <user-role>
      <role-id type="integer">2</role-id>
      <id type="integer">29</id>
      <team-id type="integer" nil="true"/>
      <is-default type="boolean">>true</is-default>
    </user-role>
    <user-role>
      <role-id type="integer">3</role-id>
      <id type="integer">33</id>
      <team-id type="integer">10</team-id>
      <is-default type="boolean">>false</is-default>
    </user-role>
  </user-roles>
</member>
</members>
</team>

```

## Updating a Team with Tiers

```

PUT: https://beta.aimatch.com/teams/10.xml
<?xml version="1.0" encoding="UTF-8"?>
<team>
  <name>EU</name>
  <tier-ids type="array">
    <id>1</id>
    <id>2</id>
  </tier-ids>
</team>

```

The response will contain nothing but the status code will be 200.

The team will now look like this:

```

<?xml version="1.0" encoding="UTF-8"?>
<team>
  <id type="integer">14</id>
  <name>EU</name>
  <members type="array"/>
  <tiers type="array">

```

```

<tier>
  <id type="integer">1</id>
  <name>Tier1</name>
  <active type="boolean">true</active>
  <prioritization-method>CPM</prioritization-method>
  <grace-period type="integer" nil="true"/>
  <grace-period-priority type="decimal" nil="true"/>
  <flags type="integer">4</flags>
  <rank type="integer">1</rank>
  <preemptible type="boolean">true</preemptible>
  <biddable type="boolean">true</biddable>
  <pmpenabled type="boolean">false</pmpenabled>
  <preferred-deal>compete all</preferred-deal>
  <first-right-deal>compete all</first-right-deal>
  <private-deal>compete all</private-deal>
  <guaranteed-deal>compete all</guaranteed-deal>
  <bid-floor>higher of</bid-floor>
  <override-raq-rule type="boolean">false</override-raq-rule>
  <eliminate-duplicate-flights type="boolean">false</eliminate-duplicate-
duplicate-flights>
  <eliminate-duplicate-advertisers type="boolean">true</eliminate-
duplicate-advertisers>
  <multi-variant type="boolean">false</multi-variant>
  <team-ids type="array">
    <team-id type="integer">1</team-id>
    <team-id type="integer">2</team-id>
    <team-id type="integer">4</team-id>
    <team-id type="integer">14</team-id>
  </team-ids>
</tier>
<tier>
  <id type="integer">2</id>
  <name>Tier2</name>
  <active type="boolean">true</active>
  <prioritization-method>CPM</prioritization-method>
  <grace-period type="integer" nil="true"/>
  <grace-period-priority type="decimal" nil="true"/>
  <flags type="integer">0</flags>
  <rank type="integer">2</rank>
  <preemptible type="boolean">false</preemptible>
  <biddable type="boolean">false</biddable>
  <pmpenabled type="boolean">false</pmpenabled>
  <preferred-deal>compete all</preferred-deal>
  <first-right-deal>compete all</first-right-deal>
  <private-deal>compete all</private-deal>
  <guaranteed-deal>compete all</guaranteed-deal>
  <bid-floor>higher of</bid-floor>
  <override-raq-rule type="boolean">false</override-raq-rule>
  <eliminate-duplicate-flights type="boolean">false</eliminate-duplicate-
duplicate-flights>
  <eliminate-duplicate-advertisers type="boolean">false</eliminate-
duplicate-advertisers>
  <multi-variant type="boolean">false</multi-variant>
  <team-ids type="array">
    <team-id type="integer">1</team-id>
    <team-id type="integer">2</team-id>

```

```
<team-id type="integer">13</team-id>
  <team-id type="integer">14</team-id>
</team-ids>
</tier>
</tiers>
</team>
```

## Removing a member from a Team

DELETE: [https://beta.aimatch.com/teams/1/members/user\\_2.xml](https://beta.aimatch.com/teams/1/members/user_2.xml)

Response (HTTP status: 200 Ok):

```
<?xml version="1.0" encoding="UTF-8"?>
<hash>
  <login>user_2</login>
</hash>
```

## XML REST API: Users

### Get a list of Users

GET: <https://beta.aimatch.com/users.xml>

XML Response:

```
<users type="array">
  <user>
    <active type="boolean">true</active>
    <advertiser-id type="integer" nil="true"></advertiser-id>
    <agency-id type="integer" nil="true"></agency-id>
    <email>admin@example.com</email>
    <full-name>Admin</full-name>
    <id type="integer">1</id>
    <login>admin</login>
    <publisher-id type="integer" nil="true"></publisher-id>
    <single-access-token>GkMvCcCcRuWSUbhI2sH1</single-access-token>
    <user-roles type="array">
      <user-role>
        <id type="integer">1</id>
        <is-default type="boolean">true</is-default>
        <role-id type="integer">8</id>
        <team-id type="integer" nil="true"/>
      </user-role>
    </user-roles>
  </user>
  <user>
    <active type="boolean">true</active>
    <advertiser-id type="integer" nil="true"></advertiser-id>
    <agency-id type="integer" nil="true"></agency-id>
```

```

<email>salesperson@example.com</email>
<full-name>salesperson</full-name>
<id type="integer">2</id>
<login>salesperson</login>
<publisher-id type="integer" nil="true"></publisher-id>
<single-access-token>GkMvCcCcRuWSUbhI2sH2</single-access-token>
<user-roles type="array">
  <user-role>
    <id type="integer">2</id>
    <is-default type="boolean">true</is-default>
    <role-id type="integer">1</id>
    <team-id type="integer">6</team-id>
  </user-role>
</user-roles>
</user>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>salesmanager@example.com</email>
  <full-name>Sales Manager</full-name>
  <id type="integer">3</id>
  <login>salesmanager</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sH3</single-access-token>
  <user-roles type="array">
    <user-role>
      <id type="integer">3</id>
      <is-default type="boolean">true</is-default>
      <role-id type="integer">2</id>
      <team-id type="integer" nil="true"/>
    </user-role>
  </user-roles>
</user>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>trafficker@example.com</email>
  <full-name>Trafficker</full-name>
  <id type="integer">4</id>
  <login>trafficker</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sH4</single-access-token>
  <user-roles type="array">
    <user-role>
      <id type="integer">4</id>
      <is-default type="boolean">true</is-default>
      <role-id type="integer">3</id>
      <team-id type="integer" nil="true"/>
    </user-role>
  </user-roles>
</user>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>

```

```

<agency-id type="integer" nil="true"></agency-id>
<email>adopsmanager@example.com</email>
<full-name>Ad Ops Manager</full-name>
<id type="integer">5</id>
<login>adopsmanager</login>
<publisher-id type="integer" nil="true"></publisher-id>
<single-access-token>GkMvCcCcRuWSUbhI2sH5</single-access-token>
<user-roles type="array">
  <user-role>
    <id type="integer">5</id>
    <is-default type="boolean">true</is-default>
    <role-id type="integer">4</id>
    <team-id type="integer" nil="true"/>
  </user-role>
</user-roles>
</user>
<user>
  <active type="boolean">>false</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>financeuser@example.com</email>
  <full-name>financeuser</full-name>
  <id type="integer">6</id>
  <login>financeuser</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sH6</single-access-token>
  <user-roles type="array">
    <user-role>
      <id type="integer">6</id>
      <is-default type="boolean">true</is-default>
      <role-id type="integer">7</id>
      <team-id type="integer" nil="true"/>
    </user-role>
  </user-roles>
</user>
<user>
  <active type="boolean">>true</active>
  <advertiser-id type="integer">68</advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>advertiser@example.com</email>
  <full-name></full-name>
  <id type="integer">7</id>
  <login>advertiser</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sH7</single-access-token>
  <user-roles type="array">
    <user-role>
      <id type="integer">7</id>
      <is-default type="boolean">true</is-default>
      <role-id type="integer">5</id>
      <team-id type="integer" nil="true"/>
    </user-role>
  </user-roles>
</user>
<user>
  <active type="boolean">>true</active>

```



```

<advertiser-id type="integer" nil="true"></advertiser-id>
<agency-id type="integer">5</agency-id>
<email>agency@example.com</email>
<full-name></full-name>
<id type="integer">8</id>
<login>agency</login>
<publisher-id type="integer" nil="true"></publisher-id>
<single-access-token>GkMvCcCcRuWSUbhI2sH8</single-access-token>
<user-roles type="array">
  <user-role>
    <id type="integer">8</id>
    <is-default type="boolean">true</is-default>
    <role-id type="integer">4</id>
    <team-id type="integer" nil="true"/>
  </user-role>
</user-roles>
</user>
</users>

```

This provides users 30 at a time ordered by name. If you want to get the next set you can add a page query parameter to the end of the URL:

```
https://beta.aimatch.com/users.xml?page=2
```

## Get a specific User

GET: <https://beta.aimatch.com/users/admin.xml> (Note: admin is user's login)

XML Response:

```

<?xml version="1.0" encoding="UTF-8"?>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>admin@example.com</email>
  <full-name>Admin</full-name>
  <id type="integer">1</id>
  <login>admin</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sH1</single-access-token>
  <user-roles type="array">
    <user-role>
      <id type="integer">1</id>
      <is-default type="boolean">true</is-default>
      <role-id type="integer">8</id>
      <team-id type="integer" nil="true"/>
    </user-role>
  </user-roles>
</user>

```

## Creating a User

```
POST: https://beta.aimatch.com/users.xml
<?xml version="1.0" encoding="UTF-8"?>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>userxml1@example.com</email>
  <full-name>userxml1</full-name>
  <login>userxml1</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <password>userxml1</password>
  <password_confirmation>userxml1</password_confirmation>
  <user-roles-attributes type="array">
    <user-role>
      <team-id type="integer">6</team-id>
      <role-id type="integer">3</role-id>
      <is-default type="boolean">true</is-default>
    </user-role>
    <user-role>
      <team-id type="integer" nil="true"/>
      <role-id type="integer">4</role-id>
      <is-default type="boolean">false</is-default>
    </user-role>
  </user-roles-attributes>
</user>
```

Response (HTTP status: 201 Created):

```
<?xml version="1.0" encoding="UTF-8"?>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>userxml1@example.com</email>
  <full-name>userxml1</full-name>
  <id type="integer">38</id>
  <login>userxml1</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sH9</single-access-token>
  <user-roles type="array">
    <user-role>
      <id type="integer">9</id>
      <is-default type="boolean">true</is-default>
      <role-id type="integer">3</id>
      <team-id type="integer">6</team-id>
    </user-role>
    <user-role>
      <id type="integer">10</id>
      <is-default type="boolean">false</is-default>
      <role-id type="integer">4</id>
      <team-id type="integer" nil="true"/>
    </user-role>
  </user-roles>
</user>
```

```
</user-roles>
</user>
```

## Updating a User

PUT: <https://beta.aimatch.com/users/userxml1.xml> (Note: userxml1 is user's login)

```
<?xml version="1.0" encoding="UTF-8"?>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>userxml1@example.com</email>
  <full-name>user xml1</full-name>
  <login>userxml1</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <password>userxml1</password>
  <password_confirmation>userxml1</password_confirmation>
  <id type="integer">38</id>
  <user-roles-attributes type="array">
    <user-role>
      <id type="integer">307</id>
      <team-id type="integer">5</team-id>
      <role-id type="integer">3</role-id>
      <is-default type="boolean">true</is-default>
    </user-role>
    <user-role>
      <id type="integer">308</id>
      <team-id type="integer" nil="true"/>
      <role-id type="integer">4</role-id>
      <is-default type="boolean">false</is-default>
    </user-role>
  </user-roles-attributes>
</user>
```

The response will contain nothing but the status code will be 200.

The user now looks like this:

```
GET: https://beta.aimatch.com/users/userxml1.xml
<?xml version="1.0" encoding="UTF-8"?>
<user>
  <active type="boolean">true</active>
  <advertiser-id type="integer" nil="true"></advertiser-id>
  <agency-id type="integer" nil="true"></agency-id>
  <email>userxml1@example.com</email>
  <full-name>user xml1</full-name>
  <id type="integer">38</id>
  <login>userxml1</login>
  <publisher-id type="integer" nil="true"></publisher-id>
  <single-access-token>GkMvCcCcRuWSUbhI2sI1</single-access-token>
  <user-roles type="array">
    <user-role>
      <team-id type="integer">5</team-id>
```

```
<role-id type="integer">3</role-id>
<id type="integer">307</id>
<is-default type="boolean">true</is-default>
</user-role>
<user-role>
  <team-id type="integer" nil="true"/>
  <role-id type="integer">4</role-id>
  <id type="integer">308</id>
  <is-default type="boolean">>false</is-default>
</user-role>
</user-roles>
</user>
```

## Report

### Report Parameters

#### List of report URLs

```
https://beta.aimatch.com/reports/advertisers_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/area_size_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/audience_revenue_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/billing_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/billing_dashboard_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/publishers_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/schedule_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/site_area_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/size_served_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/tag_summary_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/tag_value_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/time_of_day_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/action_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/product_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/uv_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/device_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/workflow_revenue_report.xml?api_key=YOUR_API_KEY
https://beta.aimatch.com/reports/performance_report.xml?api_key=YOUR_API_KEY
```

Note that the url for Flight Status report is `"/reports/schedule_report.xml"`.

#### Date Range

```
tactical_report%5Bdate_range%5D:
    Today, Yesterday, Last Week, Last 7 Days, Last 30 Days, Last Month, Last
    Quarter, Date Range
    Tomorrow, Next Week, Next Month, Next Quarter, Date Range (Product Report)
```

If the value is "Date Range", these two parameters must be specified:

```
tactical_report%5Bdate_gte%5D=2016-07-01
tactical_report%5Bdate_lte%5D=2016-07-15
```

#### Emails and Schedules

```
tactical_report%5Bemails%5D: one or more email addresses, comma-separated
tactical_report%5Bsubject%5D: email subject
tactical_report%5Bschedule%5D: daily, weekly, or monthly
```

```
tactical_report%5Bhour_of_day_daily%5D: an integer value from 0 - 23, used
for 'daily' schedule
tactical_report%5Bday_of_week%5D: an integer value from 0 - 6, representing
Sunday - Saturday, used for 'weekly' schedule
tactical_report%5Bhour_of_day_weekly%5D: an integer value from 0 - 23, used
for 'weekly' schedule
tactical_report%5Bday_of_month%5D: an integer value from 1 - 31, used for
'monthly' schedule
tactical_report%5Bhour_of_day_monthly%5D: an integer value from 0 - 23, used
for 'weekly' schedule
tactical_report%5Bexpiration_in_words%5D: to specify when the schedule should
expire, for example, 1 hour
```

## Action Parameters

To submit a csv report:

```
commit_export_csv=Export+csv
```

To schedule a report:

```
commit_schedule_report=Schedule+Report
```

## Other Parameters

As an example, these are the parameters for an advertiser's report. It shows how single value or multiple values can be specified in a request. Other reports have similar parameters. Please refer to each report UI form for the parameters they support.

```
tactical_report%5Bshow_viewability%5D=0&
tactical_report%5Badvertiser_id%5D=5&
tactical_report%5Bagency_id%5D=1&
tactical_report%5Bsalesperson_id%5D=36&
tactical_report%5Btrafficker_id%5D=41&
tactical_report%5Bflight_type%5D=Pre-emptible&
tactical_report%5Bsites%5D%5B%5D=&
tactical_report%5Bsites%5D%5B%5D=1&
tactical_report%5Bsites%5D%5B%5D=10&
tactical_report%5Bareas%5D%5B%5D=&
tactical_report%5Bareas%5D%5B%5D=1&
tactical_report%5Bareas%5D%5B%5D=10&
tactical_report%5Bsizes%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=0&
tactical_report%5Bsizes%5D%5B%5D=8&
```

# Run Reports

## Run a report and retrieve the results in csv format

```
GET: /reports/product_report.xml?
tactical_report%5Bdate_range%5D=Tomorrow&
tactical_report%5Bbreak_down_by%5D=Flight&
tactical_report%5Bproducts%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=12&
tactical_report%5Bsizes%5D%5B%5D=21&
tactical_report%5Badvertiser_id%5D=&
tactical_report%5Badvertiser_id%5D=5&
tactical_report%5Bteam%5D=1&
commit_export_csv=Export+csv&
api_key=YOUR_API_KEY
```

The value of *break\_down\_by* can be Flight, Month, or Day.

The response when the job runs in the background:

```
<?xml version="1.0" encoding="UTF-8"?>
<BackgroundTask>
  <JobId>db93b5e5d8c78a5568058c5e53c62d41</JobId>
  <ProgressbarEnabled type="boolean">>false</ProgressbarEnabled>
  <Email>[User email]</Email>
</BackgroundTask>
```

You can periodically issue the following request to check and retrieve the result.

```
GET: /reports/product_report.xml?
tactical_report%5Bdate_range%5D=Tomorrow&
[OTHER PARAMETERS ARE OPTIONAL]
commit_export_csv=Export+csv&
job_id=db93b5e5d8c78a5568058c5e53c62d41&
api_key=YOUR_API_KEY
```

If job is still queued or currently running, you will get 200 status and an error document.

```
ReportTask is in 'working' status. Check back later.
```

The response when the job does not run in the background:

```
Product,Advertiser,Flight,Projected,Available,Reserved,Booked
Packagel,Advertiser 1,LineItem4,0,0,0,0
Packagel,Advertiser 1,LineItem6,0,0,0,0
Product1,Advertiser 1,LineItem10,0,0,0,0
Product2,Advertiser 1,LineItem2,0,0,0,0
```

## Run a report and email the results

```
GET: /reports/product_report.xml?
tactical_report%5Bdate_range%5D=Tomorrow&
tactical_report%5Bbreak_down_by%5D=Flight&
tactical_report%5Bproducts%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=12&
tactical_report%5Bsizes%5D%5B%5D=21&
tactical_report%5Badvertiser_id%5D=&
tactical_report%5Badvertiser_id%5D=5&
tactical_report%5Bteam%5D=1&
```

```
tactical_report%5Bemails%5D=YOUR_EMAILS&
tactical_report%5Bsubject%5D=YOUR_SUBJECT&
```

```
commit_export_csv=Export+csv&
api_key=YOUR_API_KEY
```

## Schedule a report

```
GET: /reports/product_report.xml?
tactical_report%5Bdate_range%5D=Tomorrow&
tactical_report%5Bbreak_down_by%5D=Flight&
tactical_report%5Bproducts%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=&
tactical_report%5Bsizes%5D%5B%5D=12&
tactical_report%5Bsizes%5D%5B%5D=21&
tactical_report%5Badvertiser_id%5D=&
tactical_report%5Badvertiser_id%5D=5&
tactical_report%5Bteam%5D=1&
```

```
tactical_report%5Bemails%5D=YOUR_EMAILS&
tactical_report%5Bsubject%5D=YOUR_SUBJECT&
tactical_report%5Bschedule%5D=daily&
tactical_report%5Bhour_of_day_daily%5D=00&
tactical_report%5Bday_of_week%5D=0&
tactical_report%5Bhour_of_day_weekly%5D=00&
tactical_report%5Bday_of_month%5D=1&
tactical_report%5Bhour_of_day_monthly%5D=00&
tactical_report%5Bexpiration_in_words%5D=10+seconds&
```



```
commit_schedule_report=Schedule+Report
```

```
api_key=YOUR_API_KEY
```

## Data Access

### XML REST API: Data Access

- [List files available for downloading](#)
- [Get a pre-signed URL to download a file](#)
- [Download file with pre-signed URL](#)
- [Get a pre-signed URL to upload a file](#)
- [Upload file with pre-signed URL](#)

### List files available for downloading

```
GET:
https://beta.aimatch.com/ads/getURLForDownloading.xml?list_only=true&name=export%2F&skip_size=true
```

You must pass in a **name** parameter with your request to specify a path or filename prefix for one or more files.

By passing the parameter **list\_only** with a value of `true`, it returns contents in a directory-like structure.

By passing the parameter **skip\_size** with a value of `true`, size calculations can be skipped. If you actually need the size calculations, pass the parameter with a value of `false`. The size calculations can only be done at the file level. By default, the size calculations are skipped.

Request

```
curl -u ${API_KEY}: -H "Accept:application/xml"
https://beta.aimatch.com/ads/getURLForDownloading.xml?list_only=true&name=export%2F&skip_size=true
```

**Note:** The value of **name** parameter is `export/`, with an extra `"/`". This indicates `export` is a directory.

Response

```
<s3>
  <urls>
    <url>export/2023-01-22/</url>
    <url>export/2023-01-23/</url>
    <url>export/2023-10-16/</url>
  </urls>
</s3>
```

Request

```
curl -u ${API_KEY}: -H "Accept:application/xml"
https://beta.aimatch.com/ads/getURLForDownloading.xml?list_only=true&name=export%2F2023-10-16%2F&skip_size=true
```

Response

```
<s3>
  <urls>
    <url>export/2023-10-16/first_call.txt</url>
    <url>export/2023-10-16/second_call.txt</url>
  </urls>
</s3>
```

#### Request

The size calculations are turned on.

```
curl -u ${API_KEY}: -H "Accept:application/xml"
https://beta.aimatch.com/ads/getURLForDownloading.xml?list_only=true&name=exp
ort%2F2023-10-16%2F&skip_size=false
```

#### Response

```
<s3>
  <urls>
    <url size="37957">export/2023-10-16/first_call.txt</url>
    <url size="30541">export/2023-10-16/second_call.txt</url>
  </urls>
</s3>
```

## Get a pre-signed URL to download a file

```
GET:
https://beta.aimatch.com/ads/getURLForDownloading.xml?name=export%2F2023-10-
16%2Fsecond_call.txt&skip_size=true
```

You must pass in a **name** parameter with your request to specify the name of the file to be retrieved.

By passing the parameter **skip\_size** with a value of `true`, size calculations can be skipped. If you actually need the size calculations, pass the parameter with a value of `false`. By default, the size calculations are skipped.

#### Request

```
curl -u ${API_KEY}: -H "Accept:application/xml"
https://beta.aimatch.com/ads/getURLForDownloading.xml?name=export%2F2023-10-
16%2Fsecond_call.txt&skip_size=true
```

#### Response

A response code of 200 OK indicates the request was successful. The url returned in XML formatted output is encoded. Replace "&amp;" with "&" in the URL as needed before attempting to use it in tool like curl.

```
<?xml version="1.0" encoding="UTF-8"?>
<s3>
  <urls>
```

```
<url>https://sasia-customer-us-west-2.s3.amazonaws.com/beta/public/export/2023-10-16/second_call.txt?AWSAccessKeyId=AKIAIKOXTBXSEP2GB5KA&Expires=1520008560&Signature=EPKyfN0aqRr9MIfygybuaKrce%2BA%3D&x-amz-security-token=...</url>
</urls>
</s3>
```

## Download file with pre-signed URL

### Request

```
curl -v
  "https://sasia-customer-us-west-2.s3.amazonaws.com/beta/public/export/2018-03-01/second_calls.txt?AWSAccessKeyId=AKIAIKOXTBXSEP2GB5KA&Expires=1520008560&Signature=EPKyfN0aqRr9MIfygybuaKrce%2BA%3D&x-amz-security-token=..."
```

### Response

A response code of 200 OK indicates the request was successful.

## Get a pre-signed URL to upload a file

```
GET:
https://beta.aimatch.com/ads/getURLForUploading.xml?name=userreg%2Fuserreg-2023-10-16.csv
```

You must pass in a **name** parameter with your request to specify the relative path of the file to be created.

The parameter **content\_type** is optional and will default to "text/plain", if not specified.

### Request

```
curl -u ${API_KEY}: -H "Accept:application/xml"
https://beta.aimatch.com/ads/getURLForUploading.xml?name=userreg%2Fuserreg-2023-10-16.csv
```

### Response

A response code of 200 OK indicates the request was successful. The url returned in XML formatted output is encoded. Replace "&" with "&" in the URL as needed before attempting to use it in tool like curl.

```
<userreg>
  <version>1.0</version>
  <url>
    https://sasia-customer-us-west-2.s3.amazonaws.com/beta/public/userreg/userreg-2023-10-16.csv?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=ASIASBPZVP3IXYZU22EO%2F20210405%2Fus-west-2%2Fs3%2Faws4_request&X-Amz-Date=20210405T202312Z&X-Amz-
```





## Request

```
curl -H "Content-Type:text/plain" -T "userreg.csv" -X PUT "https://sasia-customer-us-west-2.s3.amazonaws.com/beta/public/userreg/userreg-2023-10-16.csv?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=ASIASBPZVP3IXYZU22EO%2F20210405%2Fus-west-2%2Fs3%2Faws4_request&X-Amz-Date=20210405T202312Z&X-Amz-Expires=900&X-Amz-SignedHeaders=content-type%3Bhost&X-Amz-Security-Token=IQoJb3JpZ2luX2VjEjEEMT%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEaCXVzLXdlc3QtMiJHMEUCIQQtI6nJGBjLgPImzwSkjuvrXT3hZwdomRZ12TURc35WCwIgSntvIBuWuZcDoFdWg35YzPrflVWxifx1wQgIZA%2BShrkqtAMIHRAAGgwxNDA2NDY5MDC2MDEiDMK2tAYhvA36Ed%2BRsiqRA0%2B7CHoC8UoZ0KUSzLZDOM6vHcNdtubDbCIgu3dUpuvhlx3h0ibpNjtkmRF1Z7npIOtyFSt3LS2nfI%2Ffh3ptM8Qc%2BFrtgRly20hLQNTAqQbXNpgdiSUwMaLCJLpW51cxAz8%2FD2AsIa14ozjVYrlaxAt95gQtGQPRnuyWRWEEBEXOrBODbwg9QWP832cHUbfnynV%2FiFUI9NuRBNyzwBf5L8wCNxs06%2BAC%2BT321bXLDH6UyXGXBfiUeNr31mtFAqQbxcm4AJN5%2F%2FGj1BzUUA1UEv%2F%2F1c3mSoR%2BPr94Vg504dhVpteWYITqjtXfADFX9U60mtouWjd5qgL6Dl1t7PcoPCTewUb9fyUflm%2FnhGoWnZ4%2BtNRXERWOHxRCCv8ygako5A6jU9LjQlQKqHs%2Fb0uyfn7Hb2d39NKZt%2BbrSXY4XuTwm3G%2BqYXwIzPQD79UpJD8sDGMoCiZkugHSnMCCZ7apaqNDuLJ%2FoD3q6t2dF%2BnbqmkzKL3Yx1FTQEId1f6FgxZM8xAPArnHrz3Pju5z3qdOSMMDgrYMGousBfSpk0Hf7qxnA0xAJsKtae%2FkK7capK%2FdVQZzPAgPYS7V0xl81SeU3HZvcvslhCLtswzosajhUDqE4utddCJtQwwJCOmLXb%2FhBohI7JqfeiAIsKZCp12Y6fx0jwSOizHvV0c1rDaNci9YzsJKEPYKh4Qxf5Qtr%2FYsqKk%2BhIRBAVh21oZA6qmuJPaF7UyxbiungVLHLAs07PYIaI83IVPbPwMbofUcBRxtY0jeWNjVPEGkg2hLeFLt215w3ARNj1ZqksgOYxLdkm0wOYREPUhavOzRiYNDA90rCb6JtZGit46R07fzKzTWNSTk8Q%3D%3D&X-Amz-Signature=7e30e648ce0276b4c2ce42825f59f2bfc98ebdc508c7314fbc24312ef47132a5"
```

## Response

A response code of 200 OK indicates the request was successful.

## Get status of uploaded userreg data

```
GET: https://beta.aimatch.com/ads/userRegistrations/userreg-2023-10-16.csv
```

## Request

```
curl -H "Accept:application/xml" https://beta.aimatch.com/ads/userRegistrations/userreg-2023-10-16.csv
```

## Response

A response code of 200 OK indicates the request was successful. Possible status values for the user registration files are: uploaded, processing, processed, and errored.

```
<userreg>
  <name>userreg-2023-10-16.csv</name>
  <status>uploaded</status>
  <version>1.0</version>
</userreg>
```



SAS and all other SAS Institute Inc. product or service names are registered trademarks or trademarks of SAS Institute Inc. in the USA and other countries. ® indicates USA registration. Other brand and product names are trademarks of their respective companies. Copyright © 2023, SAS Institute Inc. All rights reserved.

---