



**API Specification
V3.0**

mviSPY
Developer Resources
7.31.2009

Overview

The intent of this document is to describe the method by which third party software can communicate with mviSPY. The API defined herein uses structured XML for the formatting of data and the HTTPS protocol for the exchanging of it. The following sections define how this process works and how third party software can use it to communicate with mviSPY.

In order for certain characters to appear between XML tags, they must be encoded into HTML entities. The list of characters and their respective HTML entities are as follows:

Character	HTML Entity Equivalent
&	& or &
<	< or <
>	> or >

Throughout this document the use of **red** text indicates where the user of the API will pass specific data or where the API returns data. The use of **purple** text indicates notations specific to the method. They are NOT to be passed as part of the data to the API. They are simply there to provide more explanation.

The api can be accessed at the following URL:

http://api.mvispy.com/api_request.php

Requests

There are two primary Request types that can be sent to the API; account-level requests and site-level requests. It is important to note that any site-level request will require that a `siteID` be included as part of the actual request tag within `mviSPYAPIRequest`.

The most basic of XML Requests to mviSPY will always contain the following:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="">
  <REQUEST ELEMENT>REQUEST DATA</REQUEST ELEMENT>
</mviSPYAPIRequest>
```

The first line above states the XML version and encoding being used for the transaction. (At this time mviSPY requires the use of "UTF-8" encoding for all transactions.) On the next line is the "`mviSPYAPIRequest`" tag which is the main container of all requests sent to the mviSPY API.

Within the `mviSPYAPIRequest` line is the `authToken` property. The `authToken` is the way in which the mviSPY API identifies the account that it is providing details for. The only method that does not require a valid auth token is the `getAuthToken` method. All other methods require the auth token present in order for it to be considered a valid request.

Note: authTokens expire after 30 minutes of inactivity.

Beneath the `mviSPYAPIRequest` line is the actual request that is to be sent. See below for the complete list of requests that can be received by mviSPY via this API.

Response

The most basic of XML Response to mviSPY will always contain the following:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <RESPONSE ELEMENT>RESPONSE DATA</RESPONSE ELEMENT>
</mviSPYAPIResponse>
```

The first line above states the XML version and encoding being used for the transaction. (At this time mviSPY requires the use of "UTF-8" encoding for all transactions.) On the next line is the `mviSPYAPIResponse` tag which is the container of the responses.

If the originating request was a site-level request, then the `mviSPYAPIResponse` will include a `requestToken` which is a unique code that is assigned to each request that the API receives. The `requestToken` can be used for tracking requests that have triggered a Usage Violations (see below). Below that, is the actual response tag which contains the response that is being delivered.

Error Responses

Occasionally a request that is sent to the API may trigger an error. When this occurs, the mviSPY API will return a specific error response that has the following structure:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIError>
  <errorCode>ERROR CODE</errorCode>
  <errorDescription>ERROR DESCRIPTION</errorDescription>
</mviSPYAPIError>
```

The error response will include a code (see section **Error Codes** for more details) and a description of the error. Response errors may include additional information depending on the type of errors (e.g. a usage violation error discussed below).

Collections

Throughout the different requests and responses available via the API, there are number of nodes whose names end with a suffix of "Collection". These nodes are used to represent a collection (or list) of similar items. All collections follow this format:

```
<[ITEM]Collection [ITEM]Count="10">
  <[ITEM]></[ITEM]>
  <[ITEM]></[ITEM]>
</[ITEM]Collection>
```

Where [item] represents the name/type of the items within the collection. Every collection will contains a count attribute which signifies the amount of items within the collection.

The maximum of a collection that is returned by the API is **2500**. Should the client need to return more than **2500** results, it is up to the client make subsequent requests for the remaining data.

Date Format

Date values sent to and received from the API as parameters within Requests must adhere to the following format:

`yyyy-mm-dd hh:mm:ss`

Dates that do not conform to this format will not be accepted and will return an `mviSPYAPIError` response from the API. Dates returned via site-level response will be based on the timezone settings associated with that site.

Usage Violation Response

The usage of the API is limited at the server level to ensure that it is not abused. Any requests that violate the server-level usage controls will result in an `mviSPYAPIError` response from the API. No unauthenticated requests will be processed by the API. Usage violations can only occur at the site level.

Each request that is sent to the API will have a certain level of usage limitation. Each request described below specifies the usage limitation of that particular request. The following is an example of a usage violation response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIError>
  <errorCode>8</errorCode>
  <errorDescription>Submitted Request Still Within Timeout
  Period</errorDescription>
  <origRequestToken>89519d510e1bf5f8194dbcad865283f2</origRequestToken>
  <timeoutDateTime>2009-06-22 11:53:01</timeoutDateTime>
</mviSPYAPIError>
```

In the example above, the response includes 4 elements:

- Error Code 8 – indicates that a usage violation occurred
- Error Description – describes that the request was submitted during the timeout period
- Orig Request Token – contains the originating request token of the last request which produced a valid response.
- Timeout Date/Time – contains the date and time that the timeout period expires (e.g. the request can be resubmitted)

Usage Violation Warnings

The mviSPY API allows for requests to be submitted within the time period of a usage violation only **once**. A usage violation warning attribute will appear within the response to let the client know that the request that was submitted will be in violation if requested again. This allows the client to submit a request, receive the response with the usage violation warning before being blocked from receiving the actual response they were expecting. It is up to the client to understand that once it has received a `usageViolationWarning` that if an identical subsequent request is made within the usage violation time period, it will return an error.

The following is an example of a usage violation warning response:

```

<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopKeywordsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c" usageViolationWarning="True"
  >
    <keywordCollection keywordCount="1">
      <keyword>
        <keyword>keyword1</keyword>
        <visits>100</visits>
      </keyword>
    </keywordCollection>
  </getTopKeywordsResponse>
</mviSPYAPIResponse>

```

The Callback API

The Callback API is a system that allows mviSPY to inform a third-party webservice that an Event Trigger has taken place. Once a callback URL is provided to a the event trigger, when the event occurs on the website, the callback API initiates an API POST to the URL that is supplied. The following is a sample of one such POST:

```

<?xml version="1.0" encoding="utf-8"?>
<mviSPYEventTriggerCallback>
  <eventTriggerName>Florida Match</eventTriggerName>
  <eventTriggerDateTime>2009-07-31 07:45:01</eventTriggerDateTime>
  <visitDetails>
    <dateTimeOfVisit>2009-07-31 07:44:19</dateTimeOfVisit>
    <durationOfVisit>Still Online</durationOfVisit>
    <pageViews>6</pageViews>
    <eventsTriggered>2</eventsTriggered>
    <organizationName>Media Vue</organizationName>
    <address1>3081 E Commercial Blvd</address1>
    <address2>2nd Floor</address2>
    <city>Ft Lauderdale</city>
    <stateProvince>FL</stateProvince>
    <postalZipCode>33308</postalZipCode>
    <country>United States</country>
    <referringURL></referringURL>
    <searchEngine></searchEngine>
    <keywords></keywords>
    <entryPage></entryPage>
    <exitPage>/thankyou.php</exitPage>
    <IPAddress>66.165.162.150</IPAddress>
    <userAgent>Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.2;
.NET CLR 1.1.4322; .NET CLR 2.0.50727)</userAgent>
    <browser>IE 7.0</browser>
    <operatingSystem>Win2003</operatingSystem>
  </visitDetails>
</mviSPYEventTriggerCallback>

```

```
<pageViewCollection pageViewCount="6">
  <pageView>
    <dateTime>2009-07-31 07:44:19</dateTime>
    <timeOnPage>00:00:01</timeOnPage>
    <page>/</page>
  </pageView>
  <pageView>
    <dateTime>2009-07-31 07:44:20</dateTime>
    <timeOnPage>00:00:02</timeOnPage>
    <page>/virtual_host.php</page>
  </pageView>
  <pageView>
    <dateTime>2009-07-31 07:44:22</dateTime>
    <timeOnPage>00:00:03</timeOnPage>
    <page>/dedicated_servers.php</page>
  </pageView>
  <pageView>
    <dateTime>2009-07-31 07:44:25</dateTime>
    <timeOnPage>00:00:07</timeOnPage>
    <page>/secure_backup.php</page>
  </pageView>
  <pageView>
    <dateTime>2009-07-31 07:44:32</dateTime>
    <timeOnPage>00:00:05</timeOnPage>
    <page>/</page>
  </pageView>
  <pageView>
    <dateTime>2009-07-31 07:44:37</dateTime>
    <timeOnPage>Still Online</timeOnPage>
    <page>/thankyou.php</page>
  </pageView>
</pageViewCollection>
<eventTriggeredCollection eventTriggeredCount="2">
  <eventTriggered>
    <dateTime>2009-07-31 07:44:37</dateTime>
    <event>Contact for submission</event>
    <page>/thankyou.php</page>
  </eventTriggered>
  <eventTriggered>
    <dateTime>2009-07-31 07:45:01</dateTime>
    <event>Florida Match</event>
    <page>N/A</page>
  </eventTriggered>
</eventTriggeredCollection>
</visitDetails>
</mviSPYEventTriggerCallback>
```

When a callback is made by mviSPY to the callback URL, the API expects to receive a notification response indicating that the POST was successfully received. The following is a sample of what that response looks like:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYEventTriggerCallbackResponse>
  <result>Success</result>
</mviSPYEventTriggerCallbackResponse>
```

If the API does not receive this response, it will assume that the POST failed and will subsequently keep trying to resend the data incrementally. The data will be sent up to 9 additional times (10 in total). Each re-try attempt will occur at intervals twice as long as the previous interval. For example, the 3rd retry will occur 8 minutes after the second failed attempt and the 4th retry will occur 16 minutes after the 3rd failed attempt.

Requests

When making requests to the mviSPY API system, they must conform to the rules as described in the overview. Should the request be incorrect or unrecognized, mviSPY will return a **mviSPYAPIError** response (described in XML Response section).

The following is a list of all valid API commands that can be requested via an XML Request to mviSPY. Next to each request is the format that the response is available in along with a description of what the response includes.

	Request	Type	Response Returned
1	getAuthToken	Account-level	Data
2	getSiteList	Account-level	Data
3	getSiteByName	Account-level	Data
4	getSiteByPrimarySiteHost	Account-level	Data
5	createSite	Account-level	Data
6	getAdditionalUserList	Account-level	Data
7	getAdditionalUserDetails	Account-level	Data
8	createAdditionalUser	Account-level	Data
9	updateAdditionalUser	Account-level	Data
10	removeAdditionalUser	Account-level	Data
11	getOnlineVisitList	Site-level	Data
12	getVisitDetails	Site-level	Data
13	getTopKeywords	Site-level	Data
14	getTopKeywordChart	Site-level	Image URL
15	getTopEntryPages	Site-level	Data
16	getTopEntryPageChart	Site-level	Image URL
17	getTopExitPages	Site-level	Data
18	getTopExitPageChart	Site-level	Image URL
19	getTopBouncedPages	Site-level	Data
20	getTopBouncedPageChart	Site-level	Image URL
21	getTopTrails	Site-level	Data
22	getTopTrailChart	Site-level	Image URL
23	getTopReferringURLs	Site-level	Data
24	getTopReferringURLChart	Site-level	Image URL
25	getTopSearchEngines	Site-level	Data
26	getTopSearchEngineChart	Site-level	Image URL
27	getTopCountries	Site-level	Data

28	getTopCountryChart	Site-level	Image URL
29	getTopBrowsers	Site-level	Data
30	getTopBrowserChart	Site-level	Image URL
31	getTopOperatingSystems	Site-level	Data
32	getTopOperatingSystemChart	Site-level	Image URL
33	getAllVisitTotals	Site-level	Data
34	getAllVisitTotalsGraph	Site-level	Image URL
35	getUniqueVisitTotals	Site-level	Data
36	getUniqueVisitTotalsGraph	Site-level	Image URL
37	getBouncedVisitTotals	Site-level	Data
38	getBouncedVisitTotalsGraph	Site-level	Image URL
39	getPageViewsTotals	Site-level	Data
40	getPageViewTotalsGraph	Site-level	Image URL
41	getEventTriggersTotals	Site-level	Data
42	getEventTriggerDetails	Site-level	Data
43	getEventsTriggeredTotalsGraph	Site-level	Image URL
44	getEventTriggerList	Site-level	Data
45	createEventTrigger	Site-level	Data
46	updateEventTrigger	Site-level	Data
47	removeEventTrigger	Site-level	Data
48	createSiteHost	Site-level	Data
49	setPrimarySiteHost	Site-level	Data
50	removeSiteHost	Site-level	Data
51	getSiteHostList	Site-level	Data
52	getLiveChatSessionList	Site-level	Data
53	getLiveChatSessionDetails	Site-level	Data
54	getCustomReportList	Site-level	Data
55	getCustomReportVisitList	Site-level	Data
56	getVisitList	Site-level	Data

getAuthToken

This method is used to establish an Authentication Token which will be required for all subsequent requests that will be sent.

Input:

Input Name	Description
login	Your mviSPY account login
Password	Your mviSPY account password

Request

```
<?xml version="1.0" encoding="utf-8"?>
  <mviSPYAPIRequest authToken="">
    <getAuthToken>
      <login>websitename.com</login>
      <password>password</password>
    </getAuthToken>
  </mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
  <mviSPYAPIResponse>
    <getAuthTokenResponse>
      <authToken>a32809e0a428ce52bdc7942f0377bd8e</authToken>
    </getAuthTokenResponse>
  </mviSPYAPIResponse>
```

getSiteList

This method is used to return a list the list of sites that the authenticated account is privileged on.

Note: This method requires no input data and therefore can include a self-closing element.

Request

```
<?xml version="1.0" encoding="utf-8"?>
  <mviSPYAPIRequest authToken="d2376161c6447ab69d3dc9f11e79246d">
    <getSiteList />
  </mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse authToken="d2376161c6447ab69d3dc9f11e79246d">
  <getSiteListResponse>
    <siteCollection siteCount="4">
      <site>
        <siteID>1</siteID>
        <name>MVIHosting.com</name>
        <primarySiteHost>www.mvihosting.com</primarySiteHost>
      </site>
      <site>
        <siteID>23</siteID>
        <name>site3</name>
        <primarySiteHost>www.site3.com</primarySiteHost>
      </site>
      <site>
        <siteID>24</siteID>
        <name>site4</name>
        <primarySiteHost>www.site4.com</primarySiteHost>
      </site>
      <site>
        <siteID>146</siteID>
        <name>test12345.com</name>
        <primarySiteHost>www.test12345.com</primarySiteHost>
      </site>
    </siteCollection>
  </getSiteListResponse>
</mviSPYAPIResponse>
```

getSiteByName

This method is used to return site data based on a name that is provided.

Input:

Input Name	Description
name	The name of the site being requested

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="d2376161c6447ab69d3dc9f11e79246d">
  <getSiteByName>
    <name>mvihosting.com</name>
  </getSiteByName>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getSiteByNameResponse>
    <site>
      <siteID>1</siteID>
      <name>MVIHosting.com</name>
      <primarySiteHost>www.mvihosting.com</primarySiteHost>
    </site>
  </getSiteByNameResponse>
</mviSPYAPIResponse>
```

getSiteByPrimarySiteHost

This method is used to return site data based on a site host that is provided.

Input:

Input Name	Description
primarySiteHost	The primary site host of the site being requested

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="d2376161c6447ab69d3dc9f11e79246d">
  <getSiteByPrimarySiteHost>
    <primarySiteHost>www.mvihosting.com</primarySiteHost>
  </getSiteByPrimarySiteHost>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getSiteByPrimarySiteHostResponse>
    <site>
      <siteID>1</siteID>
      <name>MVIHosting.com</name>
      <primarySiteHost>www.mvihosting.com</primarySiteHost>
    </site>
  </getSiteByPrimarySiteHostResponse>
</mviSPYAPIResponse>
```

createSite

This method is used create a new site for the authenticated account.

Note: This method is restricted to master mviSPY accounts only.

Input:

Input Name	Description
primarySiteHost	The primary site host for the site being created.
skipFreeTrial	Accepts "True" or "False." If set to True, it will set up the site as a paid site at the lowest billing settings.

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <createSite>
    <primarySiteHost>www.mynewsitehost.com</primarySiteHost>
    <skipFreeTrial>True</skipFreeTrial>
  </createSite>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <createSiteResponse>
    <result>Successful</result>
    <siteID>1</siteID>
  </createSiteResponse>
</mviSPYAPIResponse>
```

getAdditionalUserList

This method is used to return a list the list of additional users on the authenticated account

Note: This method requires no input data and therefore can include a self-closing element.

Note: This method is restricted to master mviSPY accounts only.

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getAdditionalUserList />
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getAdditionalUserListResponse>
    <additionalUserCollection additionalUserCount="5">
      <additionalUser>
        <additionalUserID>1</additionalUserID>
        <login>additionaluser1</login>
        <name>Additional User 1</name>
        <email>additional@user1.com</email>
      </additionalUser>
      <additionalUser>
        <additionalUserID>2</additionalUserID>
        <login>additionaluser2</login>
        <name>Additional User 2</name>
        <email>additional@user2.com</email>
      </additionalUser>
      [ADDITIONAL USERS CONTINUE ON HERE UNTIL 5]
    </additionalUserCollection>
  </getAdditionalUserListResponse>
</mviSPYAPIResponse>
```

The notations listed within the additional user collection indicates that the data will continue until it reaches the level identified in the `additionalUserCount` attribute.

getAdditionalUserDetails

This method is used to return the details of the additional user as identified by the input variable.

Note: This method is restricted to master mviSPY accounts only.

Input:

Input Name	Description
additionalUserID	The identifier of the additional user being requested

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0ald6548a4e2810c92614c12c">
  <getAdditionalUserDetails siteID="1">
    <additionalUserID>1</additionalUserID>
  </getAdditionalUserDetails>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getAdditionalUserDetailsResponse
requestToken="123c68a0ald6548a4e2810c92614c12c">
    <name>Additional User 1</name>
    <email>additional@user1.com</email>
    <login>additionaluser1</login>
    <password>12345</password>
    <siteCollection siteCount="2">
      <site>
        <siteID>1</siteID>
        <name>MYSite1.com</name>
        <primarySiteHost>www.mysite1.com</primarySiteHost>
      </site>
      <site>
        <siteID>2</siteID>
        <name>MYSite2.com</name>
        <primarySiteHost>www.mysite2.com</primarySiteHost>
      </site>
    </siteCollection>
  </getAdditionalUserDetailsResponse>
</mviSPYAPIResponse>
```

createAdditionalUser

This method is used to create an additional user based on the data passed via the input variables.

Note: This method is restricted to master mviSPY accounts only.

Input:

Input Name	Description
name	Name of the user being added
email	Email address of the user being added
login	Login of the user being added
password	Password of the user being added
siteIDCollection	A collection containing the sites that the user will have access to

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <createAdditionalUser>
    <name>New Additional User 1</name>
    <email>newadditional@user1.com</email>
    <login>newadditionaluser1</login>
    <password>67890</password>
    <siteIDCollection siteIDCount="2">
      <siteID>1</siteID>
      <siteID>2</siteID>
    </siteCollection>
  </createAdditionalUser>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <createAdditionalUserResponse>
    <result>Successful</result>
    <additionalUserID>1</additionalUserID>
  </createAdditionalUserResponse>
</mviSPYAPIResponse>
```

updateAdditionalUser

This method is used to update an additional user based on the data passed via the input variables.

Note: This method is restricted to master mviSPY accounts only.

Input:

Input Name	Description
additionalUserID	Identifier of the additional user being updated
name	Name of the user being updated
email	Email address of the user being updated
login	Login of the user being updated
password	Password of the user being updated
siteIDCollection	A collection containing the sites that the user will have access to

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <updateAdditionalUser>
    <name>New Additional User 1</name>
    <email>newadditional@user1.com</email>
    <login>newadditionaluser1</login>
    <password>67890</password>
    <siteIDCollection siteIDCount="2">
      <siteID>1</siteID>
      <siteID>2</siteID>
    </siteCollection>
  </updateAdditionalUser>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <updateAdditionalUserResponse>
    <result>Successful</result>
  </updateAdditionalUserResponse>
</mviSPYAPIResponse>
```

removeAdditionalUser

This method is used to remove an additional user based on the data passed via the input variables.

Note: This method is restricted to master mviSPY accounts only.

Input:

Input Name	Description
additionalUserID	Identifier of the additional user being removed

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <removeAdditionalUser>
    <additionalUserID>5</additionalUserID>
  </removeAdditionalUser>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <removeAdditionalUserResponse>
    <result>Successful</result>
  </removeAdditionalUserResponse>
</mviSPYAPIResponse>
```

getOnlineVisitList

This method is used to return a list of visitors who are currently on a specific site as determined by the `siteID` that is provided.

Note: This method requires only a valid `siteID`.

Usage Violation Timeout Period: 30 seconds

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="d2376161c6447ab69d3dc9f11e79246d">
  < getOnlineVisitList siteID="1" />
</mviSPYAPIRequest>
```

Response:

```
<?xml version="2.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getOnlineVisitListResponse
requestToken="89519d510e1bf5f8194dbcad865283f2">
  <visitCollection visitCount="2">
    <visit>
      <visitID>32475</visitID>
      <dateTimeOfVisit>2009-06-23 09:41:43</dateTimeOfVisit>
      <durationOfVisit>Still Online</durationOfVisit>
      <pageViews>1</pageViews>
      <eventsTriggered>0</eventsTriggered>
      <organizationName>FDN.com </organizationName>
      <address1>2301 Lucien Way</address1>
      <address2>Suite 200</address2>
      <city>Maitland</city>
      <stateProvince>FL</stateProvince>
      <postalZipCode>32751</postalZipCode>
      <country>United States</country>
      <referringURL />
      <searchEngine />
      <keywords />
      <entryPage>/</entryPage>
      <exitPage>/</exitPage>
      <IPAddress>70.46.40.242</IPAddress>
      <userAgent>Mozilla/4.0 (compatible; MSIE 7.0; Windows NT
5.1; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR
3.5.30729)</userAgent>
      <browser>IE 7.0</browser>
      <operatingSystem>WinXP</operatingSystem>
    </visit>
    <visit>
      <visitID>32474</visitID>
      <dateTimeOfVisit>2009-06-23 09:40:35</dateTimeOfVisit>
      <durationOfVisit>Still Online</durationOfVisit>
      <pageViews>2</pageViews>
      <eventsTriggered>1</eventsTriggered>
      <organizationName>Internet Assigned Numbers Authority
</organizationName>
```

```
<address1>4676 Admiralty Way, Suite 330</address1>
<address2 />
<city>Marina del Rey</city>
<stateProvince>CA</stateProvince>
<postalZipCode>90292-6695</postalZipCode>
<country>United States</country>
<referringURL />
<searchEngine />
<keywords />
<entryPage>/</entryPage>
<exitPage>/data_integrity.php</exitPage>
<IPAddress>192.168.1.30</IPAddress>
<userAgent>Mozilla/5.0 (Windows; U; Windows NT 5.1; en-US;
rv:1.9.0.11) Gecko/2009060215 Firefox/3.0.11</userAgent>
<browser>Firefox 3.0</browser>
<operatingSystem>WinXP</operatingSystem>
</visit>
</visitCollection>
</getOnlineVisitListResponse>
</mviSPYAPIResponse>
```

getVisitDetails

This method is used to return the specific details for a given visit specified by a `visitID` that is passed.

Input:

Input Name	Description
<code>siteID</code>	The identifier of the site that the visit requested is coming from. Passed as an attribute.
<code>visitID</code>	The identifier of the visit being requested

Usage Violation Timeout Period: 1 second

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="d2376161c6447ab69d3dc9f11e79246d">
  <getVisitDetails siteID="1">
    <visitID>32475</visitID>
  </getVisitDetails>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getVisitDetailsResponse
requestToken="55420c18d82a7474fd95c01b60d9f23d">
  <dateTimeOfVisit>2009-06-23 09:41:43</dateTimeOfVisit>
  <durationOfVisit>Bounce</durationOfVisit>
  <pageViews>1</pageViews>
  <eventsTriggered>0</eventsTriggered>
  <organizationName>FDN.com </organizationName>
  <address1>2301 Lucien Way</address1>
  <address2>Suite 200</address2>
  <city>Maitland</city>
  <stateProvince>FL</stateProvince>
  <postalZipCode>32751</postalZipCode>
  <country>United States</country>
  <referringURL></referringURL>
  <searchEngine></searchEngine>
  <keywords></keywords>
  <entryPage></entryPage>
  <exitPage></exitPage>
  <IPAddress>70.46.40.242</IPAddress>
  <userAgent>Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET
CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR
3.5.30729)</userAgent>
  <browser>IE 7.0</browser>
  <operatingSystem>WinXP</operatingSystem>
  <pageViewCollection pageViewCount="1">
    <pageView>
      <dateTime>2009-06-23 09:41:43</dateTime>
      <timeOnPage>Exit Page</timeOnPage>
      <page></page>
    </pageView>
  </pageViewCollection>
  <eventTriggeredCollection eventTriggeredCount="0" />
</getVisitDetailsResponse>
</mviSPYAPIResponse>
```

getTopKeywords

This method is used to return the top keywords for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startTime	The start date and time of the data that is being requested
endTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopKeywords siteID="1">
    <startTime>2009-06-01 00:00:00</startTime>
    <endTime>2009-06-30 23:59:59</endTime>
    <limit>2</limit>
  </getTopKeywords>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopKeywordsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <keywordCollection keywordCount="2">
      <keyword>
        <keyword>keyword1</keyword>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </keyword>
      <keyword>
        <keyword>keyword2</keyword>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </keyword>
    </keywordCollection>
  </getTopKeywordsResponse>
</mviSPYAPIResponse>
```

getTopKeywordChart

This method is used to return the URL to an image of the top keywords for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopKeywordChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
  </getTopKeywordChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopKeywordChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c68a0a1d6548a4e2810c92614
c12c.png</chartURL>
  </getTopKeywordChartResponse>
</mviSPYAPIResponse>
```

getTopEntryPages

This method is used to return the top entry pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 pages

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopEntryPages siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
    <showQueryStrings>False</showQueryStrings>
  </getTopEntryPages>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopEntryPagesResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <entryPageCollection entryPageCount="2">
      <entryPage>
        <entryPage>/indedx.htm</entryPage>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </entryPage>
      <entryPage>
        <entryPage>/contactus.htm</entryPage>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </entryPage >
    </entryPageCollection>
  </getTopEntryPagesResponse>
</mviSPYAPIResponse>
```

getTopEntryPageChart

This method is used to return the URL to an image of the top entry pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopEntryPageChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <showQueryStrings>False</showQueryStrings>
  </getTopEntryPageChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopEntryPageChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">

    <chartURL>https://api.mvispy.com/charts/1/654c68a0a1d34548a4e2810c9261
4c12c.png</chartURL>
  </getTopEntryPageChartResponse>
</mviSPYAPIResponse>
```

getTopExitPages

This method is used to return the top exit pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopExitPages siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
    <showQueryStrings>False</showQueryStrings>
  </getTopExitPages>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopExitPagesResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <exitPageCollection exitPageCount="2">
      <exitPage>
        <exitPage>/aboutus.htm</exitPage>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </exitPage>
      <exitPage>
        <exitPage>/index.htm</exitPage>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </ exitPage >
    </exitPageCollection>
  </getTopExitPagesResponse>
</mviSPYAPIResponse>
```

getTopExitPageChart

This method is used to return the URL to an image of the top exit pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopExitPageChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <showQueryStrings>False</showQueryStrings>
  </getTopExitPageChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopExitPageChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c68a0afdfd1d34548a4e2810c
92614c12c.png</chartURL>
  </getTopExitPageChartResponse>
</mviSPYAPIResponse>
```

getTopTrails

This method is used to return the top bounced pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopTrails siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>20</limit>
    <showQueryStrings>False</showQueryStrings>
  </getTopTrails>
</mviSPYAPIRequest>
```

Response:

```

<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopTrailsResponse requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <trailCollection trailCount="20">
      <trail>
        <trailPageCollection trailPageViewCount="5">
          <trailPage>/trailpage1.htm</trailPage>
          <trailPage>/trailpage2.htm</trailPage>
          [TRAIL PAGES CONTINUE ON HERE UNTIL 5]
        </trailPageCollection>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
        </trail>
        <trail>
          <trailPageCollection trailPageViewCount="5">
            <trailPage>/trailpage11.htm</trailPage>
            <trailPage>/trailpage12.htm</trailPage>
            [TRAIL PAGES CONTINUE ON HERE UNTIL 5]
          </trailPageCollection>
          <visits>100</visits>

          <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
          </trail>
          [TRAILS CONTINUE ON HERE UNTIL 20]
        </trailCollection>
      </getTopTrailsResponse>
    </mviSPYAPIResponse>
  
```

The notations listed within the total collection indicates that the data will continue until it reaches the level identified in the `trailCount` and `trailPageViewCount` attribute.

getTopTrailsChart

This method is used to return the URL to an image of the top trails pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopTrailsChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <showQueryStrings>False</showQueryStrings>
  </getTopTrailsChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopTrailsChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">

    <chartURL>https://api.mvispy.com/charts/1/654c68a0afdfd1ddf4548a4e2810
c92614c12c.png</chartURL>
  </getTopTrailsChartResponse>
</mviSPYAPIResponse>
```

getTopBouncedPages

This method is used to return the top bounced pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopBouncedPages siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
    <showQueryStrings>False</showQueryStrings>
  </getTopBouncedPages>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopBouncedPagesResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
  <bouncedPageCollection bouncedPageCount="2">
    <bouncedPage>
      <bouncedPage>/bouncedpage1.html</bouncedPage>
      <bounces>100</bounces>
      <entries>1000</entries>
      <bounceRate>10%</bounceRate>

    <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
    </bouncedPage>
    <bouncedPage>
      <bouncedPage>/bouncedpage2.html</bouncedPage>
      <bounces>50</bounces>
      <entries>1000</entries>
      <bounceRate>5%</bounceRate>

    <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
    </bouncedPage>
  </bouncedPageCollection>
</getTopBouncedPagesResponse>
</mviSPYAPIResponse>
```

getTopBouncedPageChart

This method is used to return the URL to an image of the top exit pages for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopBouncedPageChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <showQueryStrings>False</showQueryStrings>
  </getTopBouncedPageChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopBouncedPageChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c68a0afdfd1ddf4548a4e2810
c92614c12c.png</chartURL>
  </getTopBouncedPageChartResponse>
</mviSPYAPIResponse>
```

getTopReferringURLs

This method is used to return the top referring URLs for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopReferringURLs siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
    <showQueryStrings>False</showQueryStrings>
  </getTopReferringURLs>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopReferringURLsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <referringURLCollection referringURLCount="2">
      <referringURL>
        <referringURL>google.com</referringURL>
        <visits>100</visits>
      </referringURL>
      <referringURL>
        <referringURL>mvispy.com/links.htm</referringURL>
        <visits>90</visits>
      </referringURL>
    </referringURLCollection>
    <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
  </getTopReferringURLsResponse>
</mviSPYAPIResponse>
```

getTopReferringURLChart

This method is used to return the URL to an image of the top referring URLs for a given date/time range as specified by the input parameters.

Usage Violation Timeout Period: 900 seconds

Input:

Input Name	Description
startTime	The start date and time of the data that is being requested
endTime	The end date and time of the data that is being requested
showQueryStrings	Accepts True or False. If set to True, the resulting URLs will include any query strings as captured by mviSPY. If omitted assumed False.

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopReferringURLChart siteID="1">
    <startTime>2009-06-01 00:00:00</startTime>
    <endTime>2009-06-30 23:59:59</endTime>
    <showQueryStrings>False</showQueryStrings>
  </getTopReferringURLChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopReferringURLChartResponse
    requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c68a013sfd1d34548a4e2810c
    92614c12c.png</chartURL>
  </getTopReferringURLChartResponse>
</mviSPYAPIResponse>
```

getTopSearchEngines

This method is used to return the top search engines for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopSearchEngines siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
  </getTopSearchEngines>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopSearchEnginesResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <searchEngineCollection searchEngineCount="2">
      <searchEngine>
        <searchEngine>Google</searchEngine>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </searchEngine>
      <searchEngine>
        <searchEngine>Bing</searchEngine>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </ searchEngine>
    </searchEngineCollection>
  </getTopSearchEnginesResponse>
</mviSPYAPIResponse>
```

getTopSearchEngineChart

This method is used to return the URL to an image of the top search engines for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopSearchEngineChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
  </getTopSearchEngineChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopSearchEngineChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c68a013s125454548a4e2810c
92614c12c.png</chartURL>
  </getTopSearchEngineChartResponse>
</mviSPYAPIResponse>
```


getTopCountries

This method is used to return the top countries for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopCountries siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
  </getTopCountries>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopCountriesResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <countryCollection countryCount="2">
      <country>
        <country>USA</searchEngine>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </country>
      <country>
        <country>Canada</country>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </ country>
    </countryCollection>
  </getTopCountriesResponse>
</mviSPYAPIResponse>
```

getTopCountryChart

This method is used to return the URL to an image of the top countries for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopCountryChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
  </getTopCountryChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopCountryChartResponse
    requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c683313s125454548a4e2810c
    92614c12c.png</chartURL>
  </getTopCountryChartResponse>
</mviSPYAPIResponse>
```

getTopBrowsers

This method is used to return the top browsers for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopBrowsers siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <limit>2</limit>
  </getTopBrowsers>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopBrowsersResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <browserCollection browserCount="2">
      <browser>
        <browser>IE 8</searchEngine>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </browser>
      <browser>
        <browser>Canada</browser>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </ browser>
    </ browserCollection>
  </getTopBrowsersResponse>
</mviSPYAPIResponse>
```

getTopBrowserChart

This method is used to return the URL to an image of the top browsers for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopBrowserChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
  </getTopBrowserChart>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopBrowserChartResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c683313s125454548a4e2810c
92614c12c.png</chartURL>
  </getTopBrowserChartResponse>
</mviSPYAPIResponse>
```

getTopOperatingSystems

This method is used to return the top operating systems for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startTime	The start date and time of the data that is being requested
endTime	The end date and time of the data that is being requested
limit	The number of results that are being requested. If omitted, all data for the period will be returned up to the collection size limit.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopOperatingSystems siteID="1">
    <startTime>2009-06-01 00:00:00</startTime>
    <endTime>2009-06-30 23:59:59</endTime>
    <limit>2</limit>
  </getTopOperatingSystems>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopOperatingSystemsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <operatingSystemCollection operatingSystemCount="2">
      <operatingSystem>
        <browser>Win XP</searchEngine>
        <visits>100</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </operatingSystem>
      <operatingSystem>
        <operatingSystem >Mac OS X</operatingSystem>
        <visits>90</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </operatingSystem>
    </operatingSystemCollection>
  </getTopOperatingSystemsResponse>
</mviSPYAPIResponse>
```

getTopOperatingSystemChart

This method is used to return the URL to an image of the top operating systems for a given date/time range as specified by the input parameters.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getTopOperatingSystemChart siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
  </getTopOperatingSystem>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getTopOperatingSystemResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <chartURL>https://api.mvispy.com/charts/1/654c683313s12545454mdfjmasdo
s0c92614c12c.png</chartURL>
  </getTopOperatingSystemResponse>
</mviSPYAPIResponse>
```

getAllVisitTotals

This method is used to return the totals for all visits for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getAllVisitTotals siteID="1">
    <format>Monthly</format>
  </getAllVisitTotals>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getAllVisitTotalsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <totalCollection totalCount="30">
      <total>
        <periodStart>2009-06-01 00:00:00</periodStart>
        <periodEnd>2009-06-30 23:59:59</periodEnd>
        <visits>1000</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      <total>
        <periodStart>2009-05-01 00:00:00</periodStart>
        <periodEnd>2009-05-31 23:59:59</periodEnd>
        <visits>1200</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      [TOTALS CONTINUE ON HERE UNTIL 30]
    </totalCollection>
  </getAllVisitTotalsResponse>
</mviSPYAPIResponse>
```

The notation listed within the total collection indicates that the data will continue until it reaches the level identified in the `totalCount` attribute.

getAllVisitTotalsGraph

This method is used to return the URL to an image of all visits for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getAllVisitTotalsGraphsiteID="1">
    <format>Monthly</format>
  </getAllVisitTotalsGraph>
</mviSPYAPIRequest>
```

Response:

```
<mviSPYAPIResponse>
  <getAllVisitTotalsGraphResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <graphURL>https://api.mvispy.com/charts/1/654c68a0a1d6548a4e2810c92614
c12c.png</graphURL>
  </getAllVisitTotalsGraphResponse>
</mviSPYAPIResponse>
```

getUniqueVisitTotals

This method is used to return the totals for unique visits for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getUniqueVisitTotals siteID="1">
    <format>Monthly</format>
  </getUniqueVisitTotals>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getUniqueVisitTotalsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <totalCollection totalCount="30">
      <total>
        <periodStart>2009-06-01 00:00:00</periodStart>
        <periodEnd>2009-06-30 23:59:59</periodEnd>
        <visits>1000</visits>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      <total>
        <periodStart>2009-05-01 00:00:00</periodStart>
        <periodEnd>2009-05-31 23:59:59</periodEnd>
        <visits>1200</visits>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      [TOTALS CONTINUE ON HERE UNTIL 30]
    </totalCollection>
  </getUniqueVisitTotalsResponse>
</mviSPYAPIResponse>
```

The **notation** listed within the total collection indicates that the data will continue until it reaches the level identified in the **totalCount** attribute.

getUniqueVisitTotalsGraph

This method is used to return the URL to an image of unique visits for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getUniqueVisitTotalsGraphsiteID="1">
    <format>Monthly</format>
  </getUniqueVisitTotalsGraph>
</mviSPYAPIRequest>
```

Response:

```
<mviSPYAPIResponse>
  <getUniqueVisitTotalsGraphResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">

    <graphURL>https://api.mvispy.com/charts/1/654c681412s5d748a4e2810c9261
4c12c.png</graphURL>
  </getUniqueVisitTotalsGraphResponse>
</mviSPYAPIResponse>
```

getBouncedVisitTotals

This method is used to return the totals for bounced visits for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getBouncedVisitTotals siteID="1">
    <format>Monthly</format>
  </getBouncedVisitTotals>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getBouncedVisitTotalsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <totalCollection totalCount="30">
      <total>
        <periodStart>2009-06-01 00:00:00</periodStart>
        <periodEnd>2009-06-30 23:59:59</periodEnd>
        <bounces>500</bounces>
        <visits>1000</visits>
        <bounceRate>50%</bounceRate>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      <total>
        <periodStart>2009-05-01 00:00:00</periodStart>
        <periodEnd>2009-05-31 23:59:59</periodEnd>
        <bounces>250</bounces>
        <visits>1000</visits>
        <bounceRate>25%</bounceRate>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      [TOTALS CONTINUE ON HERE UNTIL 30]
    </totalCollection>
  </getBouncedVisitTotalsResponse>
</mviSPYAPIResponse>
```

The **notation** listed within the total collection indicates that the data will continue until it reaches the level identified in the `totalCount` attribute.

getBouncedVisitTotalsGraph

This method is used to return the URL to an image of bounced visits for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getBouncedVisitTotalsGraphsiteID="1">
    <format>Monthly</format>
  </getBouncedVisitTotalsGraph>
</mviSPYAPIRequest>
```

Response:

```
<mviSPYAPIResponse>
  <getBouncedVisitTotalsGraphResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">

    <graphURL>https://api.mvispy.com/charts/1/654c681412s5d748a4e2810c9261
4c12c.png</graphURL>
  </getBouncedVisitTotalsGraphResponse>
</mviSPYAPIResponse>
```

getPageViewTotals

This method is used to return the totals for pages viewed for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getPageViewTotals siteID="1">
    <format>Monthly</format>
  </getPageViewTotals>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getPageViewTotalsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <totalCollection totalCount="30">
      <total>
        <periodStart>2009-06-01 00:00:00</periodStart>
        <periodEnd>2009-06-30 23:59:59</periodEnd>
        <pageViews>10000</pageViews>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      <total>
        <periodStart>2009-05-01 00:00:00</periodStart>
        <periodEnd>2009-05-31 23:59:59</periodEnd>
        <pageViews>8000</pageViews>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      [TOTALS CONTINUE ON HERE UNTIL 30]
    </totalCollection>
  </getPageViewTotalsResponse>
</mviSPYAPIResponse>
```

The **notation** listed within the total collection indicates that the data will continue until it reaches the level identified in the `totalCount` attribute.

getPageViewTotalsGraph

This method is used to return the URL to an image of page views for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getPageViewTotalsGraph siteID="1">
    <format>Monthly</format>
  </getPageViewTotalsGraph>
</mviSPYAPIRequest>
```

Response:

```
<mviSPYAPIResponse>
  <getPageViewTotalsGraphResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">

    <graphURL>https://api.mvispy.com/charts/1/654c681412s5d748a4e2810c9261
4c12c.png</graphURL>
  </getPageViewTotalsGraphResponse>
</mviSPYAPIResponse>
```

getEventsTriggeredTotals

This method is used to return the totals for events triggered for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly
eventTriggerID	The identifier of the event trigger (as retrieved from <code>getEventTriggerList</code> method). If this is omitted, all event triggers will be counted together.

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getEventsTriggeredTotals siteID="1">
    <format>Monthly</format>
    <eventTriggerID>10</eventTriggerID>
  </getEventsTriggeredTotals>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getEventsTriggeredTotalsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <totalCollection totalCount="30">
      <total>
        <periodStart>2009-06-01 00:00:00</periodStart>
        <periodEnd>2009-06-30 23:59:59</periodEnd>
        <eventsTriggered>100</eventsTriggered>
        <visits>10000</visits>
        <eventTriggerRate>1%</eventTriggerRate>

        <searchToken>456c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      <total>
        <periodStart>2009-05-01 00:00:00</periodStart>
        <periodEnd>2009-05-31 23:59:59</periodEnd>
        <eventsTriggered>500</eventsTriggered>
        <visits>10000</visits>
        <eventTriggerRate>5%</eventTriggerRate>

        <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
      </total>
      [TOTALS CONTINUE ON HERE UNTIL 30]
    </totalCollection>
  </getEventsTriggeredTotalsResponse>
</mviSPYAPIResponse>
```

The **notation** listed within the total collection indicates that the data will continue until it reaches the level identified in the `totalCount` attribute.

getEventsTriggeredTotalsGraph

This method is used to return the URL to an image of event triggers for a given range as specified by the input parameters.

Input:

Input Name	Description
format	Accepts either Monthly or Weekly

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getEventTriggerTotalsGraph siteID="1">
    <format>Monthly</format>
  </getEventTriggerTotalsGraph>
</mviSPYAPIRequest>
```

Response:

```
<mviSPYAPIResponse>
  <getEventTriggerTotalsGraphResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">

    <graphURL>https://api.mvispy.com/charts/1/654c681412s5d748a4e2810c9261
4c12c.png</graphURL>
  </getEventTriggerTotalsGraphResponse>
</mviSPYAPIResponse>
```

getEventTriggerList

This method is used to return a list the list of events for the associated site.

Note: This method requires no input data and therefore can include a self-closing element.

Usage Violation Timeout Period: 1 second

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getEventTriggerList siteID="1" />
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getEventTriggerListResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <eventTriggerCollection eventTriggerCount="5">
      <eventTrigger>
        <eventTriggerID>1</eventTriggerID>
        <name>Page View Event Trigger</name>
        <type>Page View</type>
      </eventTrigger>
      <eventTrigger>
        <eventTriggerID>2</eventTriggerID>
        <name>Criteria Match Event Trigger</name>
        <type>Criteria Match</type>
      </eventTrigger>
      [EVENT TRIGGERS CONTINUE ON HERE UNTIL 5]
    </eventTriggerCollection>
  </getEventTriggerListResponse>
</mviSPYAPIResponse>
```

The notation listed within the total collection indicates that the data will continue until it reaches the level identified in the eventTriggerCount attribute.

getEventTriggerDetails

This method is used to return the details for a specific events trigger as specified by the input parameters.

Input:

Input Name	Description
eventTriggerID	The identifier of the event trigger.

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getEventTriggerDetails siteID="1">
    <eventTriggerID>1</eventTriggerID>
  </getEventTriggerDetails>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getEventTriggerDetailsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <name>Page View Event Trigger</name>
    <type>Page View</type>
    <criteria>Organization Name</criteria>
    <criteriaPattern>Blue%</criteriaPattern>
    <totalPageViews>10</totalPageViews>
    <visitDuration>05:30</visitDuration>
    <notificationEmailCollection notificationEmailCount="1">
      <notificationEmail>patrick@mvisolutions.com</notificationEmail>
    </notificationEmailCollection>
    <callbackURL>https://www.mysite.com/event_trigger_process.php</callBac
kURL>
    <mviSLMInsert>False</mviSLMInsert>
  </getEventTriggerDetailsResponse>
</mviSPYAPIResponse>
```

The following table details additional information about certain elements within the response:

createEventTrigger

This method is used create an event trigger with the input variables specified.

Input:

Input Name	Description
name	The name of the event trigger
type	The type of the event trigger. CAN BE ANY OF: Page View, Criteria Match, Total Page Views, Visit Duration
criteria	ONLY REQUIRED FOR "Criteria Match" TYPE - CAN BE ANY OF: Organization Name, Address 1, Address 2, City, State/Province, Postal/Zip Code, Referring URL, Search Engine, Keywords, Entry Page, Exit Page, IP Address, User Agent, Browser, Operating System
criteriaPattern	ONLY REQUIRED FOR "Criteria Match" TYPE
totalPageViews	ONLY REQUIRED FOR "Total Page Views" TYPE. Accepts numeric value.
visitDuration	ONLY REQUIRED FOR "Visit Duration" TYPE. Accepts minutes and seconds in MM:SS format
notificationEmailCollection	Accepts a collection of email addresses to be notified. If omitted, no emails will be generated
callbackURL	Accepts a URL. If omitted, not attempts will be made to post data to a URL
mviSLMInsert	Accepts "True" or "False." If omitted, "False" is assumed.

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <createEventTrigger siteID="1">
    <name>My New Event Trigger</name>
    <type>Page View</type>
    <criteria>Organization Name</criteria>
    <criteriaPattern>Blue%</criteriaPattern>
    <totalPageViews>10</totalPageViews>
    <visitDuration>05:30</visitDuration>
    <notificationEmailCollection notificationEmailCount="1">
    <notificationEmail>patrick@mvisolutions.com</notificationEmail>
    </notificationEmailCollection>

    <callbackURL>https://www.mysite.com/event_trigger_process.php</callBac
kURL>
      <mviSLMInsert>False</mviSLMInsert>
    </createEventTrigger>
  </mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <createEventTriggerResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <result>Successful</result>
    <eventTriggerID>1</eventTriggerID>
  </createEventTriggerResponse>
```

updateEventTrigger

This method is used update an existing event trigger with the input variables specified.

Note: All nodes are optional with the exception of `eventTriggerID`. If type is provided, however, the fields associated with that type are required.

Input:

Input Name	Description
<code>eventTriggerID</code>	Identifier of the event trigger
<code>name</code>	The name of the event trigger
<code>type</code>	The type of the event trigger. CAN BE ANY OF: Page View, Criteria Match, Total Page Views, Visit Duration
<code>criteria</code>	ONLY REQUIRED FOR "Criteria Match" TYPE - CAN BE ANY OF: Organization Name, Address 1, Address 2, City, State/Province, Postal/Zip Code, Referring URL, Search Engine, Keywords, Entry Page, Exit Page, IP Address, User Agent, Browser, Operating System
<code>criteriaPattern</code>	ONLY REQUIRED FOR "Criteria Match" TYPE
<code>totalPageViews</code>	ONLY REQUIRED FOR "Total Page Views" TYPE. Accepts numeric value.
<code>visitDuration</code>	ONLY REQUIRED FOR "Visit Duration" TYPE. Accepts minutes and seconds in MM:SS format
<code>notificationEmailCollection</code>	Accepts a collection of email addresses to be notified. If omitted, no emails will be generated
<code>callbackURL</code>	Accepts a URL. If omitted, not attempts will be made to post data to a URL
<code>mviSLMInsert</code>	Accepts "True" or "False." If omitted, "False" is assumed.

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <updateEventTrigger siteID="1">
    <eventTriggerID>5</eventTriggerID>
    <name>My New Event Trigger</name>
    <type>Page View</type>
    <criteria>Organization Name</criteria>
    <criteriaPattern>Blue%</criteriaPattern>
    <totalPageViews>10</totalPageViews>
    <visitDuration>05:30</visitDuration>
    <notificationEmailCollection notificationEmailCount="1">
    <notificationEmail>patrick@mvisolutions.com</notificationEmail>
    </notificationEmailCollection>

    <callbackURL>https://www.mysite.com/event_trigger_process.php</callBac
kURL>
    <mviSLMInsert>False</mviSLMInsert>
  </updateEventTrigger>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <updateEventTriggerResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <result>Successful</result>
  </updateEventTriggerResponse>
</mviSPYAPIResponse>
```

removeEventTrigger

This method is used to remove an existing event trigger based on the input variables specified.

Input:

Input Name	Description
eventTriggerID	Identifier of the event trigger

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <removeEventTrigger siteID="1">
    <eventTriggerID>5</eventTriggerID>
  </removeEventTrigger>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <removeEventTriggerResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <result>Successful</result>
  </removeEventTriggerResponse>
</mviSPYAPIResponse>
```

getSiteHostList

This method is used to return a list the list of site hosts for the associated site.

Note: This method requires no input data and therefore can include a self-closing element.

Usage Violation Timeout Period: 1 second

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getSiteHostList siteID="1" />
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getSiteHostListResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <siteHostCollection siteHostCount="2">
      <siteHost>
        <siteHostID>1</siteHostID>
        <siteHost>www.mysite.com</siteHost>
        <primary>True</primary> [CAN BE "True" or "False"]
      </siteHost>
      <siteHost>
        <siteHostID>2</siteHostID>
        <siteHost>mysite.com</siteHost>
        <primary>False</primary>
      </siteHost>
    </siteHostCollection>
  </getSiteHostListResponse>
</mviSPYAPIResponse>
```

createSiteHost

This method is used to create a new site host for a given site.

Input:

Input Name	Description
siteHost	The site host being added
primary	Accepts "True" or "False." If set to True it will make this new site host the primary site host.

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <createSiteHost siteID="1">
    <siteHost>www.mynewsitehost.com</siteHost>
    <primary>False</primary>
  </createSiteHost>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <createSiteHostResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <result>Successful</result>
    <siteHostID>1</siteHostID>
  </createSiteHostResponse>
</mviSPYAPIResponse>
```

setPrimarySiteHost

This method is used to set the primary site host for a given site based on the input variable.

Input:

Input Name	Description
siteHostID	The site host being added

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <setPrimarySiteHost siteID="1">
    <siteHostID>1</siteHostID>
  </setPrimarySiteHost>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <setPrimarySiteHostResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <result>Successful</result>
  </setPrimarySiteHostResponse>
</mviSPYAPIResponse>
```

removeSiteHost

This method is used to remove a site host for a given site based on the input variable.

Input:

Input Name	Description
siteHostID	The site host being removed. Cannot receive the primary site host otherwise an error will be generated.

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <removeSiteHost siteID="1">
    <siteHostID>1</siteHostID>
  </removeSiteHost>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <removeSiteHostResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <result>Successful</result>
  </removeSiteHostResponse>
</mviSPYAPIResponse>
```

getLiveChatSessionList

This method is used to return a list of the live chat sessions that occurred during the date/times that are passed as input variables.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested

Usage Violation Timeout Period: 900 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getLiveChatSessionList siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
  </getLiveChatSessionList>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getLiveChatSessionListResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <liveChatSessionCollection liveChatSessionCount="10">
      <liveChatSession>
        <liveChatSessionID>9</liveChatSessionID>
        <visitID>1234</visitID>
        <dateTime>2009-06-10 00:10:00</dateTime>
      </liveChatSession>
      <liveChatSession>
        <liveChatSessionID>10</liveChatSessionID>
        <visitID>5678</visitID>
        <dateTime>2009-06-12 10:10:00</dateTime>
      </liveChatSession>
      [LIVE CHAT SESSIONS CONTINUE ON HERE UNTIL 10]
    </liveChatSessionCollection>
  </getLiveChatSessionListResponse>
</mviSPYAPIResponse>
```

The **notation** listed within the live chat collection indicates that the data will continue until it reaches the level identified in the `liveChatSessionCount` attribute.

getLiveChatSessionDetails

This method is used to return the details of a live chat session based on the input variables specified.

Input:

Input Name	Description
liveChatSessionID	The identifier of the live chat session being requested.

Usage Violation Timeout Period: 1 second

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getLiveChatSessionDetails siteID="1">
    <liveChatSessionID>20</liveChatSessionID>
  </getLiveChatSessionDetails>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getLiveChatSessionDetailsResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <visitID>5678</visitID>
    <dateTime>2009-06-21 10:10:00</dateTime>
    <messageCollection messageCount="5">
      <message>
        <name>Operator</name>
        <message>Hello, how are you today?</message>
      </message>
      <message>
        <name>Customer</name>
        <message>I'm fine, thank you.</message>
      </message>
      [MESSAGES CONTINUE ON HERE UNTIL 5]
    </messageCollection>
  </getLiveChatSessionDetailsResponse>
</mviSPYAPIResponse>
```

The **notation** listed within the message collection indicates that the data will continue until it reaches the level identified in the **messageCount** attribute.

getCustomReportList

This method is used to return a list of custom reports.

Note: This method requires no input data and therefore can include a self-closing element.

Usage Violation Timeout Period: 1 second

Request

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getCustomReportList siteID="1" />
</mviSPYAPIRequest>
```

Response:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getCustomReportListResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <customReportCollection customReportCount="5">
      <customReport>
        <customReportID>1</customReportID>
        <name>Custom Report 1</name>
      </customReport>
      <customReport>
        <customReportID>2</customReportID>
        <name>Custom Report 2</name>
      </customReport>
      [CUSTOM REPORTS CONTINUE ON HERE UNTIL 5]
    </liveChatSessionCollection>
  </getCustomReportListResponse>
</mviSPYAPIResponse>
```

The notation listed within the custom report collection indicates that the data will continue until it reaches the level identified in the `customReportCount` attribute.

getCustomReportVisitList

This method is used to return a list of the visits associated with the customer report identified by the input variable being passed.

Note: All nodes besides "visitID" may or may not appear based on the settings of the custom report.

Input:

Input Name	Description
customReportID	The identifier of the custom report being requested.

Usage Violation Timeout Period: 3600 seconds

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getCustomReportVisitList siteID="1">
    <customReportID>2</customReportID>
  </getCustomReportVisitList>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="2.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getCustomReportVisitListResponse
requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <visitCollection visitCount="100">
      <visit>
        <visitID>32533</visitID>
        <dateTimeOfVisit>06/25/2009
09:09:28AM</dateTimeOfVisit>
        <durationOfVisit>Still Online</durationOfVisit>
        <pageViews>6</pageViews>
        <eventsTriggered>0</eventsTriggered>
        <organizationName>BellSouth.net Inc.
</organizationName>
        <address1>575 Morosgo Drive</address1>
        <address2 />
        <city>Atlanta</city>
        <stateProvince>GA</stateProvince>
        <postalZipCode>30324</postalZipCode>
        <country>United States</country>
        <referringURL />
        <searchEngine />
        <keywords />
        <entryPage>/</entryPage>
        <exitPage>/index.php?logout_msg=Logged Out
Successfully</exitPage>
        <IPAddress>70.147.36.17</IPAddress>
        <userAgent>Mozilla/5.0 (Macintosh; U; Intel Mac OS X
10.5; en-US; rv:1.9.0.11) Gecko/2009060214 Firefox/3.0.11</userAgent>
        <browser>Firefox 3.0</browser>
```

```

        <operatingSystem>MacOSX</operatingSystem>
    </visit>
    <visit>
        <visitID>32532</visitID>
        <dateTimeOfVisit>06/25/2009
09:05:36AM</dateTimeOfVisit>
        <durationOfVisit>05:32</durationOfVisit>
        <pageViews>13</pageViews>
        <eventsTriggered>0</eventsTriggered>
        <organizationName>BellSouth.net Inc.
</organizationName>
        <address1>575 Morosgo Drive</address1>
        <address2 />
        <city>Atlanta</city>
        <stateProvince>GA</stateProvince>
        <postalZipCode>30324</postalZipCode>
        <country>United States</country>
        <referringURL>http://webmail.att.net/wmc/en-
US/n/wm/14873098542234597?cmd=Show&uid=447335&folder=MVI%20Solutions&sid=c0&t
empl=readpane.html</referringURL>
        <searchEngine />
        <keywords />
        <entryPage>/about_us.php</entryPage>

        <exitPage>/manage_email.php?action=viewdomain&dom_id=673</exitPage>
        <IPAddress>74.173.87.198</IPAddress>
        <userAgent>Mozilla/5.0 (Windows; U; Windows NT 5.1;
en-US; rv:1.9.0.11) Gecko/2009060215 Firefox/3.0.11</userAgent>
        <browser>Firefox 3.0</browser>
        <operatingSystem>WinXP</operatingSystem>
    </visit>
    [VISITS CONTINUE ON HERE UNTIL 100]
</visitCollection>
</getCustomReportVisitListResponse>
</mviSPYAPIResponse>

```

The **notation** listed within the visit collection indicates that the data will continue until it reaches the level identified in the `visitCount` attribute.

getVisitList

This method is used to return a list of the visits associated with the data/time range provided by the input variables being passed.

Input:

Input Name	Description
startDateTime	The start date and time of the data that is being requested
endDateTime	The end date and time of the data that is being requested
searchToken	Optional parameter which refines visits returned based on the search tokens returned via other API responses

Usage Violation Timeout Period: 3600

Request:

```
<?xml version="1.0" encoding="utf-8"?>
<mviSPYAPIRequest authToken="343c68a0a1d6548a4e2810c92614c12c">
  <getVisitList siteID="1">
    <startDateTime>2009-06-01 00:00:00</startDateTime>
    <endDateTime>2009-06-30 23:59:59</endDateTime>
    <searchToken>789c68a0a1d6548a4e2810c92614c12c</searchToken>
  </getVisitList>
</mviSPYAPIRequest>
```

Response:

```
<?xml version="2.0" encoding="utf-8"?>
<mviSPYAPIResponse>
  <getVisitListResponse requestToken="123c68a0a1d6548a4e2810c92614c12c">
    <visitCollection visitCount="100">
      <visit>
        <visitID>32533</visitID>
        <dateTimeOfVisit>06/25/2009
09:09:28AM</dateTimeOfVisit>
        <durationOfVisit>Still Online</durationOfVisit>
        <pageViews>6</pageViews>
        <eventsTriggered>0</eventsTriggered>
        <organizationName>BellSouth.net Inc.
</organizationName>
        <address1>575 Morosgo Drive</address1>
        <address2 />
        <city>Atlanta</city>
        <stateProvince>GA</stateProvince>
        <postalZipCode>30324</postalZipCode>
        <country>United States</country>
        <referringURL />
        <searchEngine />
        <keywords />
        <entryPage>/</entryPage>
        <exitPage>/index.php?logout_msg=Logged Out
Successfully</exitPage>
        <IPAddress>70.147.36.17</IPAddress>
```

```

        <userAgent>Mozilla/5.0 (Macintosh; U; Intel Mac OS X
10.5; en-US; rv:1.9.0.11) Gecko/2009060214 Firefox/3.0.11</userAgent>
        <browser>Firefox 3.0</browser>
        <operatingSystem>MacOSX</operatingSystem>
    </visit>
    <visit>
        <visitID>32532</visitID>
        <dateTimeOfVisit>06/25/2009
09:05:36AM</dateTimeOfVisit>
        <durationOfVisit>05:32</durationOfVisit>
        <pageViews>13</pageViews>
        <eventsTriggered>0</eventsTriggered>
        <organizationName>BellSouth.net Inc.
</organizationName>
        <address1>575 Morosgo Drive</address1>
        <address2 />
        <city>Atlanta</city>
        <stateProvince>GA</stateProvince>
        <postalZipCode>30324</postalZipCode>
        <country>United States</country>
        <referringURL>http://webmail.att.net/wmc/en-
US/n/wm/14873098542234597?cmd=Show&uid=447335&folder=MVI%20Solutions&sid=c0&t
empl=readpane.html</referringURL>
        <searchEngine />
        <keywords />
        <entryPage>/about_us.php</entryPage>

    <exitPage>/manage_email.php?action=viewdomain&dom_id=673</exitPage>
        <IPAddress>74.173.87.198</IPAddress>
        <userAgent>Mozilla/5.0 (Windows; U; Windows NT 5.1;
en-US; rv:1.9.0.11) Gecko/2009060215 Firefox/3.0.11</userAgent>
        <browser>Firefox 3.0</browser>
        <operatingSystem>WinXP</operatingSystem>
    </visit>
    [VISITS CONTINUE ON HERE UNTIL 100]
</visitCollection>
</getVisitListResponse>
</mviSPYAPIResponse>

```

Error Codes

The following is a list of possible error codes that are returned via `mviSPYAPIError` responses:

Error Code	Description
1	Invalid XML Format
2	Invalid API Request Method – [INVALID METHOD]
3	Missing Required Element(s) – [MISSING ELEMENTS]
4	Invalid Login Or Password
5	Invalid Authentication Token – [INVALID TOKEN]
6	Requested Site Cannot Be Found – [SITE ID, NAME OR PRIMARY SITE HOST]
7	Invalid Site ID Attribute – [INVALID SITE ID]
8	Submitted Request Still Within Usage Violation Period
9	Missing Required Attribute – [MISSING ATTRIBUTES]
10	Requested Visit Cannot Be Found – [VISIT ID]
11	Invalid Date/Time Element(s) – [INVALID DATE/TIME ELEMENTS]
12	Invalid Integer Element(s) – [INVALID INTEGER ELEMENTS]
13	Invalid Element Value(s) – [INVALID ELEMENTS]
14	Invalid Request Element(s) – [INVALID ELEMENTS]
15	Invalid Event Trigger ID Element – [INVALID EVENT TRIGGER ID VALUE]
16	Invalid Search Token Element – [INVALID TOKEN]
17	Requested Event Trigger Cannot Be Found – [EVENT TRIGGER ID]
18	Invalid Type Element – [INVALID TYPE VALUE]
19	Invalid Criteria Element – [INVALID CRITERIA VALUE]
20	Invalid Collection Element(s) – [INVALID COLLECTION ELEMENTS]
21	Site Host Already Exists – [SITE HOST]
22	Requested Site Host Cannot Be Found – [SITE HOST ID]
23	Requested Site Host Is Primary And Cannot Be Removed – [SITE HOST ID]
24	Requested Live Chat Session Cannot Be Found – [LIVE CHAT SESSION ID]
25	Requested Custom Report Cannot Be Found – [CUSTOM REPORT ID]
26	No Data Available To Generate Chart
27	Additional User Account Cannot Make Request – [REQUEST NAME]
28	Requested Additional User Cannot Be Found – [ADDITIONAL USER ID]
29	User Account Already Exists With Email – [EMAIL]
30	User Account Already Exists With Login – [LOGIN]
31	Additional User Account Cannot Make Request - createSite