



MangoApps Developer Program

Open API Specification

MangoSpring provides a RESTful style of API to interact with all the MangoApps. The Supported formats are XML for normal API requests and Atom for Activity Streams feeds format.

How to Register an Application:

The Admin of the system can sign up for an API key and API secret from the Enterprise Application tabs under Application. Registration of the application is available on Paid plans only.

*The user is requested not to disclose the API key and Secret Key for security purposes.

*The API key is a 16 digit code and the secret key is a 32 digit code

Supported Resources:

For security purposes all requests go over SSL (https). Optional parameters can be sent to all the API URL's.

Parameters	Available Values	Default
limit	-	50
offset	-	0
order	ASC, DESC	DESC
from_date	-	-
to_date	-	-

* from_date and to_date to be in epoch seconds

* from_date should be greater than to_date

Activity Streams Feeds:

Method	URL	Description
GET	https://www.mangospring.com/api/activitystreams/feeds.atom	All feeds in the company
GET	https://www.mangospring.com/api/activitystreams/users/:user_id/following.atom	All the feeds of the specified user
GET	https://www.mangospring.com/api/activitystreams/users/:user_id/wall.atom	All wall feeds of the specified user
GET	https://www.mangospring.com/api/activitystreams/users/:user_id/projects/:project_id/wall.atom	All wall feeds for projects of the user specified
GET	https://www.mangospring.com/api/activitystreams/users/:user_id/groups/:group_id/wall.atom	All wall feeds for groups of the user specified

Normal API Requests:

Method	URL	Description
GET	https://www.mangospring.com/api/users	All the users of the domain
GET	https://www.mangospring.com/api/users/:user_id	All the details of the specified user
GET	https://www.mangospring.com/api/users/:user_id/groups	All the groups of which the user is part
GET	https://www.mangospring.com/api/users/:user_id/projects	All the projects of which the user is part
GET	https://www.mangospring.com/api/groups	All the groups of the domain
GET	https://www.mangospring.com/api/projects	All the projects of the domain
GET	https://www.mangospring.com/api/projects/:project_id	All the details of the specified project
GET	https://www.mangospring.com/api/groups/:group_id	All the details of the specified groups

How to Request Data:

The User is expected to follow a convention to make the request to the retrieve relevant and valid data. API_KEY and API_NAME parameters are mandatory to make a valid request.

Steps to Request Data:

1. Select a URL to request.
2. Append the mandatory parameters to the the url as query strings.
Example:
https://www.mangospring.com/users?api_key=sixteendigitkey&app_name=hello
3. Arrange all the request parameters in ascending order of key
4. Use HMAC SHA1 hexdigest to generate a signature of the query string with the secret key provided.
5. Append the thirty two digit value to key called signature, and append this to the query string as "signature=thirtytwodigitkey "

Example:

https://www.mangospring.com/users?api_key=sixteendigitkey&app_name=hello&signature=thirtytwodigitkey

6. Make the request

*** Please Note: Never send your secret key with the query string.**

Example Requests and Responses:

Request:

https://www.mangospring.com/api/users?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<ms_response>
  <entry>
    <id>15452</id>
    <name>john connor</name>
    <email>johnc@mangospring.com</email>
```

```
<photo>
  https://engage.mangospring.com/images/users/589/4354dsas4344.jpg
</photo>
</entry>
<entry>
  <id>15451</id>
  <name>robert chase</name>
  <email>robertc@mangospring.com</email>
  <photo>
    https://engage.mangospring.com/images/users/588/4354545664.jpg
  </photo>
</entry>
</ms_response>
```

Request:

https://www.mangospring.com/api/users/152?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<ms_response>
  <entry>
    <id>154522</id>
    <name>john connor</name>
    <email>johnc@mangospring.com</email>
    <aka>john</aka>
    <photo>
      https://engage.mangospring.com/images/users/589/4354dsas4344.jpg
    </photo>
    <title>Marketing Head</title>
    <about_me>
      Specially intrested by extreme sports and reading horror books
    </about_me>
    <expertise>Analysis and Statistics</expertise>
    <dob>Mon May 18 05:23:02 UTC 1975</dob>
    <significant_other/>
    <created_on>Mon May 10 05:23:02 UTC 2010</created_on>
    <email_addresses>
      <email_address>
        <location>Work</location>
        <address>johnc@mangospring.com</address>
      </email_address>
      <email_address>
        <location>Home</location>
        <address>john.connor@gmail.com</address>
      </email_address>
    </email_addresses>
    <phone_numbers>
      <phone_number>
        <location>Work</location>
        <mobile_number>523-669-8001</mobile_number>
        <landline_number>547-556-2211</landline_number>
        <ext>254</ext>
        <fax/>
      </phone_number>
      <phone_number>
        <location>Home</location>
        <mobile_number>523-669-8001</mobile_number>
        <landline_number>965-785-6355</landline_number>
        <fax/>
      </phone_number>
    </phone_numbers>
    <education>
```

```
<school>
  <name>University of Pune</name>
  <degree>BE</degree>
  <start_year>2000</start_year>
  <end_year>2004</end_year>
</school>
</education>
<experience>
  <company>
    <name>Mangospring</name>
    <title>Marketing Head</title>
    <description/>
    <start_year>2006</start_year>
    <end_year/>
  </company>
</experience>
</entry>
</ms_response>
```

Request:

https://local.engageexpress.com/api/projects?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<ms_response>
  <entry>
    <id>53435</id>
    <name>Intrado</name>
    <photo>
      https://engage.mangospring.com/images/projects/5549/54dsas4344.jpg
    </photo>
  </entry>
  <entry>
    <id>87679</id>
    <name>Purple Trail</name>
    <photo>
      https://engage.mangospring.com/images/projects/6554/4354ds4.jpg
    </photo>
  </entry>
</ms_response>
```

Request:

https://local.engageexpress.com/api/groups?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<ms_response>
  <entry>
    <id>55435</id>
    <name>Marketing</name>
    <photo>
      https://engage.mangospring.com/images/groups/5549/54dsas4344.jpg
    </photo>
  </entry>
  <entry>
    <id>87179</id>
    <name>Sales</name>
    <photo>
      https://engage.mangospring.com/images/groups/6554/4354ds4.jpg
    </photo>
  </entry>
```

</ms_response>

Request:

https://local.engageexpress.com/api/projects/8955?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<ms_response>
  <entry>
    <id>5</id>
    <name>Intrado</name>
    <description>Intrado is a security tool</description>
    <photo>
      https://engage.mangospring.com/images/projects/5549/54as32244.jpg
    </photo>
    <admin>
      <id>43343</id>
      <name>Harry Cole</name>
      <email>harryc@mangospring.com</email>
    </admin>
    <upload_access>E</upload_access>
    <is_private>N</is_private>
    <followers>30</followers>
    <tasks>31</tasks>
    <links>12</links>
    <documents>32</documents>
    <messages>7475</messages>
    <created_at>Wed May 05 09:27:49 UTC 2010</created_at>
  </entry>
</ms_response>
```

Request:

https://local.engageexpress.com/api/groups/1155?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<ms_response>
  <entry>
    <id>87875</id>
    <name>Marketing</name>
    <description>All the marketing people</description>
    <photo>
      https://engage.mangospring.com/images/groups/42129/asdsaa1132244.jpg
    </photo>
    <admin>
      <id>42543</id>
      <name>Chris Heath</name>
      <email>chrish@mangospring.com</email>
    </admin>
    <upload_access>E</upload_access>
    <is_private>N</is_private>
    <followers>50</followers>
    <tasks>176</tasks>
    <links>80</links>
    <documents>660</documents>
    <messages>1043</messages>
    <created_at>Wed May 05 09:27:49 UTC 2010</created_at>
  </entry>
</ms_response>
```

Request:

https://local.engageexpress.com/api/activitystreams/feeds.atom?api_key=69753c309dd86alf&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Mangospring Activity Feeds</title>
  <entry>
    <title>Jonny Depp created an Event</title>
    <link href="/events/2112"/>
    <updated>Fri Jun 11 06:20:14 UTC 2010</updated>
    <author>
      <name>Jonny Depp</name>
      <url>https://engage.mangospring.com/ce/pulse/user/profile/2321</url>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/person
      </activity:object-type>
      <link>https://engage.mangospring.com/ce/pulse/user/profile/2321</link>
    </author>
    <activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
    <activity:object>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/event
      </activity:object-type>
      <title>Event</title>
      <link>/events/2321</link>
    </activity:object>
  </entry>
  <entry>
    <title>Chris Hearth wrote on Project Intrado's Wall</title>
    <link href="http://test.local.engageexpress.com"/>
    <updated>Tue Jun 08 07:22:05 UTC 2010</updated>
    <author>
      <name>Chris Hearth</name>
      <url>http://test.local.engageexpress.com/ce/pulse/user/profile/341</url>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/person
      </activity:object-type>
      <link>http://test.local.engageexpress.com/ce/pulse/user/profile/341</link>
    </author>
    <activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
    <activity:object>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/note
      </activity:object-type>
      <title>Project Engage Wall</title>
      <link>http://engage.mangospring.com/ce/pulse/user/projectteam/5212</link>
    </activity:object>
  </entry>
</feed>
```

Request:

https://local.engageexpress.com/api/activitystreams/feeds/users/1/wall?api_key=69753c309dd86alf&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```
<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Mangospring Activity Feeds</title>
  <entry>
    <title>Jacob Martin wrote on Jonny Depp's Wall</title>
    <updated>Wed May 26 06:21:06 UTC 2010</updated>
```

```

<author>
  <name>Jacob Martin</name>
  <url>http://engage.mangospring.com/ce/pulse/user/profile/741</url>
  <activity:object-type>
    http://activitystrea.ms/schema/1.0/person
  </activity:object-type>
  <link>http://test.local.engageexpress.com/ce/pulse/user/profile/741</link>
</author>
<activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
<activity:target>
  <activity:object-type>
    http://activitystrea.ms/schema/1.0/person
  </activity:object-type>
  <title>Jonny Depp</title>
  <link>http://engage.mangospring.com/ce/pulse/user/profile/187</link>
</activity:target>
<activity:object>
  <activity:object-type>
    http://activitystrea.ms/schema/1.0/note
  </activity:object-type>
  <title>Wall</title>
  <link>http://engage.mangospring.com/ce/pulse/user/profile/187</link>
</activity:object>
</entry>
</feed>

```

Request:

https://local.engageexpress.com/api/activitystreams/feeds/users/1/following?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

Response:

```

<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Mangospring Activity Feeds</title>
  <entry>
    <title>Peter Parker wrote a private message on Jacob Martin's Wall</title>
    <updated>Tue May 25 05:45:58 UTC 2010</updated>
    <author>
      <name>Peter Parker</name>
      <url>https://engage.mangospring.com/ce/pulse/user/profile/105</url>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/person
      </activity:object-type>
      <link>https://engage.mangospring.com/ce/pulse/user/profile/105</link>
    </author>
    <activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
    <activity:target>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/person
      </activity:object-type>
      <title>Jacob Martin</title>
      <link>http://test.local.engageexpress.com/ce/pulse/user/profile/141</link>
    </activity:target>
    <activity:object>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/note
      </activity:object-type>
      <title>Wall</title>
      <link>https://engage.mangospring.com/ce/pulse/user/profile/105</link>
    </activity:object>
  </entry>
</entry>

```

```

<title>Peter Parker wrote on Project Intrado's Wall</title>
<link href="http://engage.mangospring.com/ce/pulse/user/projectteam/141"/>
<updated>Fri Jun 04 14:15:05 UTC 2010</updated>
<author>
  <name>Peter Parker</name>
  <url>http://engage.mangospring.com/ce/pulse/user/profile/771</url>
  <activity:object-type>
    http://activitystrea.ms/schema/1.0/person
  </activity:object-type>
  <link>http://test.local.engageexpress.com/ce/pulse/user/profile/771</link>
</author>
<activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
<activity:object>
  <activity:object-type>
    http://activitystrea.ms/schema/1.0/note
  </activity:object-type>
  <title>Intrado Wall</title>
  <link>http://engage.mangospring.com/ce/pulse/user/projectteam/141</link>
</activity:object>
</entry>
</feed>

```

Request:

```

https://local.engageexpress.com/api/activitystreams/feeds/users/1/groups/14/wall?api_key=69753c309dd86a1f&app_name=engage&signature=b11547f9f05bcff92a06106d6b8a36a88049832b

```

Response:

```

<feed xmlns="http://www.w3.org/2005/Atom">
  <title>Engage Activity Feeds</title>
  <entry>
    <title>Jonny Robert wrote on Group Marketing's Wall</title>
    <link href="https://engage.mangospring.com/ce/pulse/user/projectteam/433"/>
    <updated>Fri Jun 04 14:15:05 UTC 2010</updated>
    <author>
      <name>Jonny Robert</name>
      <url>https://engage.mangospring.com/ce/pulse/user/profile/121</url>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/person
      </activity:object-type>
      <link>https://engage.mangospring.com/ce/pulse/user/profile/121</link>
    </author>
    <activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
    <activity:object>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/note
      </activity:object-type>
      <title>Marketing Wall</title>
      <link>https://engage.mangospring.com/ce/pulse/user/projectteam/433</link>
    </activity:object>
  </entry>
  <entry>
    <title>Chris Tucker wrote on Group Marketing's Wall</title>
    <link href="https://test.local.engageexpress.com/ce/pulse/user/ "/>
    <updated>Fri Jun 04 14:15:02 UTC 2010</updated>
    <author>
      <name>Chris Tucker</name>
      <url>https://engage.mangospring.com/ce/pulse/user/profile/122</url>
      <activity:object-type>
        http://activitystrea.ms/schema/1.0/person
      </activity:object-type>
      <link>http://test.local.engageexpress.com/ce/pulse/user/profile/122</link>
    </author>
  </entry>
</feed>

```

```
</author>
<activity:verb>http://activitystrea.ms/schema/1.0/post</activity:verb>
<activity:object>
  <activity:object-type>
    http://activitystrea.ms/schema/1.0/note
  </activity:object-type>
  <title>Marketing Wall</title>
  <link>http://test.local.engageexpress.com/ce/pulse/user/projectteam/433</link>
</activity:object>
</entry>
</feed>
```