

Wuala REST API Documentation

1. Introduction.....	2
2. Getting Started.....	2
3. API Calls.....	3
3.1. Get number of comments.....	3
3.2. Get comments.....	4
3.3. Get a thumbnail.....	4
3.4. Get a list of public files.....	5
3.5. Get a list of public folders.....	5
3.6. Get a list of public groups.....	6
3.7. Get breadcrumb path elements.....	6
3.8. Get metadata.....	7
3.9. Get metadata for each item in a folder.....	8
3.10. Get preview page data.....	9
3.11. Get file content.....	10
3.12. Get a list of most recent items.....	10
3.13. Get a list of the top items.....	11
3.14. Search public items.....	12

1. Introduction

API status: **Alpha**

Date of this document: **15/02/2010 13:02**

Please note that this is a very early version of the Wuala API. The function names, the routing and the result sets may change in later API versions. Feel free to send me feedback, corrections, feature request and bug reports to api@wuala.com. Furthermore you can join <http://www.wuala.com/WualaAPI> where you can find this documentation and additional stuff.

The current version of the Wuala API supports HTTP GET request only (it is a read-only API). We have plans to add write support in the future.

2. Getting Started

Each item in Wuala has an URL (Open Wuala > Right click on item > Copy Link). An URL looks like this: <http://www.wuala.com/Roger/public/Documents>. It is possible to open this URL directly with a browser (a preview page is shown). The second part of the URL, */Roger/public/Documents*, can be used together with the API calls. Most examples in this documentation use */my/wuala/item* or */my/wuala/folder*. It must be url encoded (e.g. [rawurlencode](#) in PHP or the [URI](#) class in Java).

All content is UTF-8 encoded. The content-type of most results is text/xml. There are two exceptions: *thumbnail* and *contents*. The content-type of *thumbnail* is always image/jpeg. The content-type of *contents* depends on the requested item.

The preview and metadata API calls can return a `<countryString>` (if the target item is of item type *user*) which is the official two letter code as defined in ISO 3166 (e.g. CH or US).

To get an idea how to use the API, take a look at the sample clients: [http://www.wuala.com/WualaAPI/Sample Clients/](http://www.wuala.com/WualaAPI/SampleClients/). Feel free to provide your own implementation.

3. API Calls

This chapter lists all available API calls, their parameters and how the result should look like. Please note that every API call can return one of the following HTTP error codes:

- HTTP 400: invalid parameter 'u' or 'q'. Names must not contain any special character.
- HTTP 404: The requested item was not found.
- HTTP 503: Service is currently not available.

To give you a quick overview, the following HTTP GET requests are supported:

- <http://api.wuala.com/commentCount/my/wuala/item>
- <http://api.wuala.com/comments/my/wuala/item>
- <http://api.wuala.com/thumbnail/my/wuala/item>
- <http://api.wuala.com/publicFiles/my/wuala/folder>
- <http://api.wuala.com/publicFolders/my/wuala/item>
- <http://api.wuala.com/publicGroups/user>
- <http://api.wuala.com/breadcrumb/my/wuala/item>
- <http://api.wuala.com/metadata/my/wuala/item>
- <http://api.wuala.com/bulkMetadata/my/wuala/folder>
- <http://api.wuala.com/preview/my/wuala/item>
- <http://content.wuala.com/contents/my/wuala/item>
- <http://api.wuala.com/mostRecent>
- <http://api.wuala.com/tops>
- http://api.wuala.com/search/query_string

3.1. Get number of comments

Description

Send a HTTP GET to <http://api.wuala.com/commentCount/my/wuala/item> to get the number of comments written on <http://www.wuala.com/my/wuala/item>.

Optional Parameters

Name	Default value	Description
<i>key</i>	null	Secret key for hidden items.

Result

The result of <http://api.wuala.com/commentCount/Roger> might look like this:

```
<result>
  <commentCount>22</commentCount>
</result>
```

3.2. Get comments

Description

Send a HTTP GET to <http://api.wuala.com/comments/my/wuala/item> to get the comments written on <http://www.wuala.com/my/wuala/item>. Per default, the 10 newest comments of a given item are returned. By the use of the optional parameters *from* and *to* it is possible to control the result set.

Optional Parameters

Name	Default value	Description
<i>from</i>	0	Defines where to start. Must be greater or equal than 0.
<i>to</i>	10	Defines where to stop. Must be greater than <i>from</i> and smaller than the maximum number of comments and at most <i>from</i> + 50.
<i>key</i>	null	Secret key for hidden items.

Result

The result of <http://api.wuala.com/comments/Roger?from=0&to=2> might look like this:

```
<result>
  <comments from="0" to="2">
    <comment>
      <author>Bob</author>
      <timestamp>234234122</timestamp> <!-- UNIX timestamp -->
      <content>Hi!</content>
    </comment>
    <comment>
      <author>Alice</author>
      <timestamp>2342342123</timestamp> <!-- UNIX timestamp -->
      <content>Huhu!</content>
    </comment>
  </comments>
</result>
```

Please note: The result set contains an empty `<comments>` elements if there are no comments.

3.3. Get a thumbnail

Description

Send a HTTP GET to <http://api.wuala.com/thumbnail/my/wuala/item> to get the thumbnail of the Wuala item <http://www.wuala.com/my/wuala/item>.

The default image size is 96 x 96 pixels. The thumbnail is equal to the original image if the image size is smaller than 96 x 96 pixels.

Please note that this function call returns an image (content type: image/jpeg), not an xml document.

A HTTP 404 is thrown if the requested thumbnail does not exist. E.g. there are no tiny thumbnails for default user icons.

Optional parameters

Name	Default value	Description
<i>size</i>	default	Defines thumbnail size. <i>default</i> 96 x 96 pixels <i>tiny</i> 16 x 16 pixels
<i>key</i>	null	Secret key for hidden items.

Content-Type: image/jpeg

3.4. Get a list of public files

Description

Send a HTTP GET to <http://api.wuala.com/publicFiles/my/wuala/folder> to get a list of all public files in <http://www.wuala.com/my/wuala/folder>.

Optional parameters

Name	Default value	Description
<i>il</i>	0	Defines whether or not links should be included. Set to <i>1</i> if this should be the case.
<i>ff</i>	1	Defines whether or not family friendly items should be filtered. Set to 0 if not.
<i>key</i>	null	Secret key for hidden items.

Result

The result of <http://api.wuala.com/publicFiles/Roger/public/Images?il=1> might look like this:

```
<result>
  <publicFiles includeLinks="true" familyFriendly="true">
    <items t="images">
      <item url="http://www.wuala.com/Roger/pub/img/i1.pdf">Item1</item>
      <item url="http://www.wuala.com/Roger/pub/img/i2.pdf">Item2</item>
      <item url="http://www.wuala.com/Roger/pub/img/i3.pdf">Item3</item>
      <item url="http://www.wuala.com/Roger/pub/img/i4.pdf" link="true">Item4</item>
    </items>
  </publicFiles>
</result>
```

3.5. Get a list of public folders

Description

Send a HTTP GET to <http://api.wuala.com/publicFolders/my/wuala/folder> to get a list of all public folders in <http://www.wuala.com/my/wuala/folder>.

Optional parameters

Name	Default value	Description
<i>il</i>	0	Defines whether or not links should be included. Set to <i>1</i> if this should be the case.
<i>ff</i>	1	Defines whether or not family friendly items should be filtered.
<i>key</i>	null	Secret key for hidden items.

Result

The result of <http://api.wuala.com/publicFolders/Roger/public/> might look like this:

```
<result>
  <publicFolders includeLinks="true" familyFriendly="true">
    <item url="http://www.wuala.com/Roger/Images" empty="true">Images</item>
    <item url="http://www.wuala.com/Roger/Movies" empty="false">Movies</item>
    <item url="http://www.wuala.com/Roger/Fun" empty="false"
link="true">Fun</item>
  </publicFolders>
</result>
```

3.6. Get a list of public groups

Description

Send a HTTP GET to <http://api.wuala.com/publicGroups/user> to get a list of all public groups where a given user is member.

Optional parameters

Name	Default value	Description
<i>ff</i>	1	Defines whether or not family friendly groups should be filtered.

Result

The result of <http://api.wuala.com/publicGroups/Roger> might look like this:

```
<result>
  <publicGroups>
    <item url="http://www.wuala.com/Wuala">Wuala</item>
    <item url="http://www.wuala.com/GC%20Fans">GC Fans</item>
  </publicGroups>
</result>
```

3.7. Get breadcrumb path elements

Description

Send a HTTP GET to <http://api.wuala.com/breadcrumb/my/wuala/item> to get a list of all path elements in <http://www.wuala.com/my/wuala/item>. This is very useful if you are going to implement a breadcrumb navigation.

Optional parameters

Name	Default value	Description
<i>key</i>	null	Secret key for hidden items.

Result

The result of <http://api.wuala.com/breadcrumb/Roger/public/Movies> might look like this:

```
<result>
  <breadcrumb>
    <item id="0" url="http://www.wuala.com/Roger">Roger</item>
    <item id="1" url="http://www.wuala.com/Roger/public">public</item>
    <item id="2" url="http://www.wuala.com/Roger/public/Movies">Movies</item>
  </breadcrumb>
</result>
```

3.8. Get metadata

Description

Send a HTTP GET to <http://api.wuala.com/metadata/my/wuala/item> to get all metadata of the Wuala item <http://www.wuala.com/my/wuala/item>.

Optional parameters

Name	Default value	Description
<i>key</i>	null	Secret key for hidden items.

Result

The result depends on the item type. The Wuala API distinguishes between the following item types: *user*, *group*, *folder* and *file*. The result consists of a general and an item specific part. The general part might look like this (for <http://api.wuala.com/metadata/Roger>):

```
<result>
  <type>user</type>
  <fullName>Roger Jaggi (Roger)</fullName>
  <name>Roger</name>
  <url>http://wuala.com/Roger</url>
  <creator>Roger</creator>
  <creationDate>13242143</creationDate> <!-- UNIX timestamp -->
  <firstPublishingDate>235431251325</firstPublishingDate> <!-- UNIX timestamp -->
  <sizeString>13 items (10 MB)</sizeString>
  <description>Wuala Team Member</description>
  <tags>
    <tag>floorball</tag>
    <tag>football</tag>
    <tag>computerscience</tag>
    <tag>linux</tag>
    <tag>Wuala</tag>
  </tags>
  <views>4421</views>
  <links>1</links>
  <favorites>2</favorites>
```

```

<comments>22</comments>
<familyFriendly>true</familyFriendly>

<TYPE-SPECIFIC ELEMENTS>

</result>

```

The elements *firstPublishingDate*, *sizeString*, *description* and *tags* are omitted if empty. For the item type *user*, <TYPE-SPECIFIC ELEMENTS> is replaced by the following snippet:

```

<gender> ? | m | f </gender>
<birthday>366595200000</birthday> <!-- UNIX timestamp -->
<contacts>
  <contact name="ICQ">123456789</contact>
  <contact name="Skype">mySkypeId</contact>
</contacts>
<countryCode>CH</countryCode> <!-- ISO 3166 -->
<proUser> true | false </proUser>

```

The element *contacts* can be omitted if empty (only public visible items are shown).

For item type *file*, the file size information in bytes and a hash value is added:

```

<hash>CFC8E71CB348224F095C7E961A6108E7015F8D6F</hash>
<size>102345446</size> <!-- in bytes-->

```

For the item type *folder*, <TYPE-SPECIFIC ELEMENTS> is replaced by this snippet:

```

<modificationDate>366595200000</modificationDate> <!-- UNIX timestamp -->

```

And finally for the item type *group*, <TYPE-SPECIFIC ELEMENTS> is replaced by

```

<members>42</members>
<homepage>www.example.com</homepage>

```

Please note that the element *homepage* is omitted if empty.

3.9. Get metadata for each item in a folder

Description

Send a HTTP GET to <http://api.wuala.com/bulkMetadata/my/wuala/folder> to get the metadata for each item in a folder. This call returns the same result as if you would call *metadata* for each item in a folder.

Optional parameters

Name	Default value	Description
<i>key</i>	null	Secret key for hidden items.

Result

See metadata request.

3.10. Get preview page data

Description

Send a HTTP GET to <http://api.wuala.com/preview/my/wuala/item> to get all information displayed on the preview page if an internet browser is used to open a Wuala URL.

Optional parameters

Name	Default value	Description
<i>il</i>	0	Defines whether or not links should be included. Set to <i>1</i> if this should be the case.
<i>ff</i>	1	Defines whether or not family friendly items should be filtered.
<i>key</i>	null	Secret key for hidden items.

Result

The result depends on the item type. But the result for each type contains all available metadata. Furthermore, the following information is added (depending on the item type):

User: A list of all public root folders

Group: a list of public files and folders

File: The breadcrumb path items

Folder: The breadcrumb path items and a list of public files and folders of the current item

For <http://api.wuala.com/preview/Roger>, the result might look like this:

```
<result>
  <type>user</type>
  <fullName>Roger Jaggi (Roger)</fullName>
  <name>Roger</name>
  <url>http://wuala.com/Roger</url>
  <creator>Roger</creator>
  <creationDate>366595200000</creationDate> <!-- UNIX timestamp -->
  <sizeString>13 items (10 MB)</sizeString>
  <description>Wuala Team Member</description>
  <tags>
    <tag>floorball</tag>
    <tag>football</tag>
    <tag>computerscience</tag>
    <tag>linux</tag>
    <tag>Wuala</tag>
  </tags>
  <views>4421</views>
  <links>1</links>
  <favorites>2</favorites>
  <comments>22</comments>
  <familyFriendly>true</familyFriendly>
  <gender>m</gender>
  <birthday>366595200000</birthday>

  <countryCode>CH</countryCode> <!-- ISO 3166 -->
```

```

<publicFolders familyFriendly="true" includeLinks="true">
  <item url="http://wuala.com/Roger/public">public</item>
</publicFolders>

</result>

```

For more information, take a look at the appropriate API calls.

3.11. Get file content

Description

Send a HTTP GET to <http://content.wuala.com/contents/my/wuala/item> to get the file content of */my/wuala/item*. Please note that our api server, api.wuala.com, does reject file content downloads.

Optional Parameters

Name	Default value	Description
<i>dl</i>	1	The API server sends a “Content-Disposition” header with the content of the file as attachment. This results in a “Save as” popup in most browsers. Set this parameter to 0 if you need it inlined (useful for images etc).
<i>key</i>	null	Secret key for hidden items.

Content-Type

Depending on the file extension and the file type within Wuala (image, video, audio, document, other), one of the following content type is sent:

pdf	application/pdf	mp3	audio/mpeg
json	application/json	wma	audio/x-ms-wma
zip	application/zip	wav	audio/x-wav
gif	image/gif	mp4	video/mp4
jpg/jpeg	image/jpeg	mpg/mpeg	video/mpeg
png	image/png	wmv	video/x-ms-wmv
tif/tiff	image/tiff	mov	video/quicktime

If non of them applies, the default content type is sent: *application/octet-stream*.

3.12. Get a list of most recent items

Description

Send a HTTP GET to <http://api.wuala.com/mostRecent> to get a list of most recent items in Wuala. This call supports optional parameters as *type*, *from*, *to* and *familyFriendly*, e.g. <http://api.wuala.com/mostRecent?type=5&from=10&to=30&ff=0>. If no parameters are given, it returns 10 family friendly images.

Optional Parameters

Name	Default value	Description
<i>type</i>	0	Defines the item type. The following values are possible: 0 Images 1 Videos 2 Music 3 Documents 4 Other file types 5 Users 6 Groups
<i>from</i>	0	Defines where to start. Must be greater or equal than 0.
<i>to</i>	10	Defines where to stop. Must be greater than <i>from</i> and at most <i>from</i> + 50.
<i>ff</i>	1	Defines whether or not family friendly items should be filtered.

Result

The result of <http://api.wuala.com/mostRecent?type=0&from=0&to=1> might look like this:

```
<result>
  <mostRecent from="0" to="1" itemType="Images" itemTypeByte="0"
    familyFriendly="true">
    <item>
      <url>http://www.wuala.com/.../new.jpg</url>
      <name>new.jpg</name>
    </item>
  </mostRecent>
</result>
```

3.13. Get a list of the top items

Description

Send a HTTP GET to <http://api.wuala.com/tops> to get a list of the top items in Wuala. This call supports optional parameters as *type*, *from*, *to* and *familyFriendly* and *period*, e.g. <http://api.wuala.com/tops?type=5&from=10&to=30&ff=0&period=2> . If no parameters are given, it returns the 10 top family friendly images of last week.

Please note that <http://api.wuala.com/topScores> is deprecated.

Optional Parameters

Name	Default value	Description
<i>type</i>	0	Defines the item type. The following values are possible: 0 Images 1 Videos 2 Music 3 Documents 4 Other file types

		5 Users 6 Groups
<i>from</i>	0	Defines where to start. Must be greater or equal than 0.
<i>to</i>	10	Defines where to stop. Must be greater than <i>from</i> and at most <i>from</i> + 50.
<i>ff</i>	1	Defines whether or not family friendly items should be filtered.
<i>period</i>	1	Defines the time period. The following values are possible: 0 Day 1 Week 2 Month 3 Year 4 All time

Result

The result of <http://api.wuala.com/tops?type=0&from=0&to=1> might look like this:

```
<result>
  <tops from="0" to="1" itemType="Images" itemTypeByte="0" period="week",
    familyFriendly = "true" periodByte="1" >
    <item>
      <url>http://www.wuala.com/.../new.jpg</url>
      <name>new.jpg</name>
      <score>917</score>
    </item>
  </tops>
</result>
```

3.14. Search public items

Description

Send a HTTP GET to http://api.wuala.com/search/search_term to query the Wuala network for interesting files. The result set contains per default 10 family friendly images.

Optional Parameters

Name	Default value	Description
<i>type</i>	0	Defines the item type. The following values are possible: 0 Images 1 Videos 2 Music 3 Documents 4 Other file types 5 Users 6 Groups
<i>from</i>	0	Defines where to start. Must be greater or equal than 0.
<i>to</i>	10	Defines where to stop. Must be greater than <i>from</i> and at most <i>from</i> + 50.
<i>ff</i>	1	Defines whether or not family friendly items should be filtered.

Result

The result of <http://api.wuala.com/search/Wuala?from=0&to=1> might look like this:

```
<result>
  <results from="0" to="1" itemType="Images" itemTypeByte="0" q="Wuala"
    familyFriendly="true">
    <item>
      <url>http://www.wuala.com/.../new.jpg</url>
      <name>Wuala Office.jpg</name>
      <score>42</score>
    </item>
  </results>
</result>
```