shared-media-api

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Contents

1 About shared-media-api **5**

2 Examples **7**
- 2.1 Example: get media files in a category . . . 7
- 2.2 Example: search categories . . . 10
- 2.3 Example: Search for 1 media file . . . 11

3 Category object **13**

4 Media object **15**

5 Page object **17**

6 Base object **19**

7 Transport object **21**

8 Other stuff **23**
- 8.1 Similar open source projects . . . 23
- 8.2 Open source projects using MediaWiki API . . . 23
- 8.3 Other related open source projects . . . 23

`shared-media-api` is a MediaWiki Query API wrapper that easily gets Category and File information into simple PHP arrays. Fine-tuned for WikiMedia Commmons.

Example: get media files in a category

```
<?php

require('../../vendor/autoload.php');

use Attogram\SharedMedia\Api\Category;
use Attogram\SharedMedia\Api\Media;

// Get the first result from a search of the category namespace
$category = new Category();
$category->setResponseLimit(1);
$myCategory = $category->search('Albert Einstein');
if (empty($myCategory)) {
    print 'Category Not Found';
    return;
}
print_r($myCategory);

// Get the first 2 Media files in a category
$media = new Media();
$media->setResponseLimit(2);
$media->setPageid($myCategory[0]['pageid']);
$myMedias = $media->getMediaInCategory();
if (empty($myMedias)) {
    print 'Media Not Found';
    return;
}
foreach ($myMedias as $myMedia) {
    print_r($myMedia);
}
```

```
Array
(
    [0] => Array
        (
            [pageid] => 970886
            [ns] => 14
            [title] => Category:Albert Einstein
            [index] => 1
            [size] => 198
            [pages] => 3
            [files] => 177
            [subcats] => 18
            [hidden] =>
        )

)
Array
(
    [pageid] => 42335632
    [ns] => 6
    [title] => File:Einstein Lehrerdiplom Bauzeitung.jpg
    [imagerepository] => local
    [timestamp] => 2015-08-14T08:18:42Z
```

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```
    [user] => Glunggenbauer
    [userid] => 5122073
    [size] => 497393
    [width] => 1078
    [height] => 749
    [thumburl] => https://upload.wikimedia.org/wikipedia/commons/thumb/7/7a/Einstein_
↪Lehrerdiplom_Bauzeitung.jpg/100px-Einstein_Lehrerdiplom_Bauzeitung.jpg
    [thumbwidth] => 100
    [thumbheight] => 69
    [thumbmime] => image/jpeg
    [url] => https://upload.wikimedia.org/wikipedia/commons/7/7a/Einstein_
↪Lehrerdiplom_Bauzeitung.jpg
    [descriptionurl] => https://commons.wikimedia.org/wiki/File:Einstein_Lehrerdiplom_
↪Bauzeitung.jpg
    [descriptionshorturl] => https://commons.wikimedia.org/w/index.php?curid=42335632
    [sha1] => 7550c9d6ba4f81a5f7494c1548786691cb6670d4
    [imagedescription] => Lehrerdiplome von Albert Einstein und Sinai Tschulok in der␣
↪Schweizerischen Bauzeitung vom 4. August 1900
    [imagedescription.source] => commons-desc-page
    [datetimeoriginal] => 1900-08-04
    [datetimeoriginal.source] => commons-desc-page
    [artist] => <span lang="en">Unknown</span><a href="https://www.wikidata.org/wiki/
↪Q4233718" title="wikidata:Q4233718"><img alt="wikidata:Q4233718" src="https://
↪upload.wikimedia.org/wikipedia/commons/thumb/f/ff/Wikidata-logo.svg/20px-Wikidata-
↪logo.svg.png" width="20" height="11" srcset="https://upload.wikimedia.org/wikipedia/
↪commons/thumb/f/ff/Wikidata-logo.svg/30px-Wikidata-logo.svg.png 1.5x, https://
↪upload.wikimedia.org/wikipedia/commons/thumb/f/ff/Wikidata-logo.svg/40px-Wikidata-
↪logo.svg.png 2x" data-file-width="1050" data-file-height="590"></a>
    [artist.source] => commons-desc-page
    [licenseshortname] => Public domain
    [licenseshortname.source] => commons-desc-page
    [licenseshortname.hidden] =>
    [usageterms] => Public domain
    [usageterms.source] => commons-desc-page
    [usageterms.hidden] =>
    [attributionrequired] => false
    [attributionrequired.source] => commons-desc-page
    [attributionrequired.hidden] =>
    [restrictions] =>
    [restrictions.source] => commons-desc-page
    [restrictions.hidden] =>
    [mime] => image/jpeg
)
Array
(
    [pageid] => 45542076
    [ns] => 6
    [title] => File:Einstein Dissertation eth-30378-01.pdf
    [imagerepository] => local
    [timestamp] => 2015-12-10T04:59:46Z
    [user] => Drdoht
    [userid] => 734439
    [size] => 593056
    [width] => 827
    [height] => 1320
    [pagecount] => 20
    [thumburl] => https://upload.wikimedia.org/wikipedia/commons/thumb/f/fc/Einstein_
↪Dissertation_eth-30378-01.pdf/page1-100px-Einstein_Dissertation_eth-30378-01.pdf.jpg
```

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```
    [thumbwidth] => 100
    [thumbheight] => 160
    [thumbmime] => image/jpeg
    [url] => https://upload.wikimedia.org/wikipedia/commons/f/fc/Einstein_
↪Dissertation_eth-30378-01.pdf
    [descriptionurl] => https://commons.wikimedia.org/wiki/File:Einstein_Dissertation_
↪eth-30378-01.pdf
    [descriptionshorturl] => https://commons.wikimedia.org/w/index.php?curid=45542076
    [sha1] => 176d25c8850c0b93bd598b37f4e06a0f97836f5b
    [imagedescription] => <p>Albert Einstein, Dissertation Zürich, 30. April 1905,␣
↪abgedruckt in <a rel="nofollow" class="external text" href="http://zs.thulb.uni-
↪jena.de/receive/jportal_jparticle_00125834">Annalen der Physik <b>324</b>, 289-305␣
↪(1906).</a>
</p>
    [imagedescription.source] => commons-desc-page
    [datetimeoriginal] => 1905-04-30
    [datetimeoriginal.source] => commons-desc-page
    [artist] => <bdi><a href="https://en.wikipedia.org/wiki/en:Albert_Einstein" class=
↪"extiw" title="w:en:Albert Einstein">Albert Einstein</a>
</bdi>
    [artist.source] => commons-desc-page
    [licenseshortname] => Public domain
    [licenseshortname.source] => commons-desc-page
    [licenseshortname.hidden] =>
    [usageterms] => Public domain
    [usageterms.source] => commons-desc-page
    [usageterms.hidden] =>
    [attributionrequired] => false
    [attributionrequired.source] => commons-desc-page
    [attributionrequired.hidden] =>
    [restrictions] =>
    [restrictions.source] => commons-desc-page
    [restrictions.hidden] =>
    [mime] => application/pdf
)
```

See more *Examples*

CHAPTER 1

About shared-media-api

`shared-media-api` is a MediaWiki Query API wrapper that easily gets Category and File information into simple PHP arrays. Fine-tuned for WikiMedia Commmons.

Project links

- `shared-media-api` project home: https://github.com/attogram/shared-media-api
- `shared-media-api` documentation: https://shared-media-api.readthedocs.io/en/latest/
- `shared-media-api` packagist: https://packagist.org/packages/attogram/shared-media-api
- `shared-media-api` travis-ci: https://travis-ci.org/attogram/shared-media-api
- `shared-media-api` codeclimate: https://codeclimate.com/github/attogram/shared-media-api

License

- `shared-media-api` is Dual Licensed under the MIT or GPL-3.0+, at your choosing.

CHAPTER 2

Examples

2.1 Example: get media files in a category

```
<?php

require('../../vendor/autoload.php');

use Attogram\SharedMedia\Api\Category;
use Attogram\SharedMedia\Api\Media;

// Get the first result from a search of the category namespace
$category = new Category();
$category->setResponseLimit(1);
$myCategory = $category->search('Albert Einstein');
if (empty($myCategory)) {
    print 'Category Not Found';
    return;
}
print_r($myCategory);

// Get the first 2 Media files in a category
$media = new Media();
$media->setResponseLimit(2);
$media->setPageid($myCategory[0]['pageid']);
$myMedias = $media->getMediaInCategory();
if (empty($myMedias)) {
    print 'Media Not Found';
    return;
}
foreach ($myMedias as $myMedia) {
    print_r($myMedia);
}
```

```
Array
(
    [0] => Array
        (
            [pageid] => 970886
            [ns] => 14
            [title] => Category:Albert Einstein
            [index] => 1
            [size] => 198
            [pages] => 3
            [files] => 177
            [subcats] => 18
            [hidden] =>
        )

)
Array
(
    [pageid] => 42335632
    [ns] => 6
    [title] => File:Einstein Lehrerdiplom Bauzeitung.jpg
    [imagerepository] => local
    [timestamp] => 2015-08-14T08:18:42Z
    [user] => Glunggenbauer
    [userid] => 5122073
    [size] => 497393
    [width] => 1078
    [height] => 749
    [thumburl] => https://upload.wikimedia.org/wikipedia/commons/thumb/7/7a/Einstein_
↪Lehrerdiplom_Bauzeitung.jpg/100px-Einstein_Lehrerdiplom_Bauzeitung.jpg
    [thumbwidth] => 100
    [thumbheight] => 69
    [thumbmime] => image/jpeg
    [url] => https://upload.wikimedia.org/wikipedia/commons/7/7a/Einstein_
↪Lehrerdiplom_Bauzeitung.jpg
    [descriptionurl] => https://commons.wikimedia.org/wiki/File:Einstein_Lehrerdiplom_
↪Bauzeitung.jpg
    [descriptionshorturl] => https://commons.wikimedia.org/w/index.php?curid=42335632
    [sha1] => 7550c9d6ba4f81a5f7494c1548786691cb6670d4
    [imagedescription] => Lehrerdiplome von Albert Einstein und Sinai Tschulok in der␣
↪Schweizerischen Bauzeitung vom 4. August 1900
    [imagedescription.source] => commons-desc-page
    [datetimeoriginal] => 1900-08-04
    [datetimeoriginal.source] => commons-desc-page
    [artist] => <span lang="en">Unknown</span><a href="https://www.wikidata.org/wiki/
↪Q4233718" title="wikidata:Q4233718"><img alt="wikidata:Q4233718" src="https://
↪upload.wikimedia.org/wikipedia/commons/thumb/f/ff/Wikidata-logo.svg/20px-Wikidata-
↪logo.svg.png" width="20" height="11" srcset="https://upload.wikimedia.org/wikipedia/
↪commons/thumb/f/ff/Wikidata-logo.svg/30px-Wikidata-logo.svg.png 1.5x, https://
↪upload.wikimedia.org/wikipedia/commons/thumb/f/ff/Wikidata-logo.svg/40px-Wikidata-
↪logo.svg.png 2x" data-file-width="1050" data-file-height="590"></a>
    [artist.source] => commons-desc-page
    [licenseshortname] => Public domain
    [licenseshortname.source] => commons-desc-page
    [licenseshortname.hidden] =>
    [usageterms] => Public domain
    [usageterms.source] => commons-desc-page
```

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```
    [usageterms.hidden] =>
    [attributionrequired] => false
    [attributionrequired.source] => commons-desc-page
    [attributionrequired.hidden] =>
    [restrictions] =>
    [restrictions.source] => commons-desc-page
    [restrictions.hidden] =>
    [mime] => image/jpeg
)
Array
(
    [pageid] => 45542076
    [ns] => 6
    [title] => File:Einstein Dissertation eth-30378-01.pdf
    [imagerepository] => local
    [timestamp] => 2015-12-10T04:59:46Z
    [user] => Drdoht
    [userid] => 734439
    [size] => 593056
    [width] => 827
    [height] => 1320
    [pagecount] => 20
    [thumburl] => https://upload.wikimedia.org/wikipedia/commons/thumb/f/fc/Einstein_
↪Dissertation_eth-30378-01.pdf/page1-100px-Einstein_Dissertation_eth-30378-01.pdf.jpg
    [thumbwidth] => 100
    [thumbheight] => 160
    [thumbmime] => image/jpeg
    [url] => https://upload.wikimedia.org/wikipedia/commons/f/fc/Einstein_
↪Dissertation_eth-30378-01.pdf
    [descriptionurl] => https://commons.wikimedia.org/wiki/File:Einstein_Dissertation_
↪eth-30378-01.pdf
    [descriptionshorturl] => https://commons.wikimedia.org/w/index.php?curid=45542076
    [sha1] => 176d25c8850c0b93bd598b37f4e06a0f97836f5b
    [imagedescription] => <p>Albert Einstein, Dissertation Zürich, 30. April 1905,␣
↪abgedruckt in <a rel="nofollow" class="external text" href="http://zs.thulb.uni-
↪jena.de/receive/jportal_jparticle_00125834">Annalen der Physik <b>324</b>, 289-305␣
↪(1906).</a>
</p>
    [imagedescription.source] => commons-desc-page
    [datetimeoriginal] => 1905-04-30
    [datetimeoriginal.source] => commons-desc-page
    [artist] => <bdi><a href="https://en.wikipedia.org/wiki/en:Albert_Einstein" class=
↪"extiw" title="w:en:Albert Einstein">Albert Einstein</a>
</bdi>
    [artist.source] => commons-desc-page
    [licenseshortname] => Public domain
    [licenseshortname.source] => commons-desc-page
    [licenseshortname.hidden] =>
    [usageterms] => Public domain
    [usageterms.source] => commons-desc-page
    [usageterms.hidden] =>
    [attributionrequired] => false
    [attributionrequired.source] => commons-desc-page
    [attributionrequired.hidden] =>
    [restrictions] =>
    [restrictions.source] => commons-desc-page
    [restrictions.hidden] =>
```

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```
    [mime] => application/pdf
)
```

2.2 Example: search categories

```
<?php

require('../../vendor/autoload.php');

use Attogram\SharedMedia\Api\Category;

$category = new Category();
$category->setResponseLimit(5);
$results = $category->search('Albert Einstein');
foreach ($results as $result) {
    print_r($result);
}
```

```
Array
(
    [pageid] => 970886
    [ns] => 14
    [title] => Category:Albert Einstein
    [index] => 1
    [size] => 198
    [pages] => 3
    [files] => 177
    [subcats] => 18
    [hidden] =>
)
Array
(
    [pageid] => 18215227
    [ns] => 14
    [title] => Category:Albert Einstein College of Medicine
    [index] => 3
    [size] => 3
    [pages] => 0
    [files] => 1
    [subcats] => 2
    [hidden] =>
)
Array
(
    [pageid] => 22170186
    [ns] => 14
    [title] => Category:Einstein birthplace
    [index] => 4
    [size] => 5
    [pages] => 0
    [files] => 5
    [subcats] => 0
    [hidden] =>
```

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```
)
Array
(
    [pageid] => 29267631
    [ns] => 14
    [title] => Category:Einsteinhaus Caputh
    [index] => 5
    [size] => 25
    [pages] => 0
    [files] => 25
    [subcats] => 0
    [hidden] =>
)
Array
(
    [pageid] => 41480939
    [ns] => 14
    [title] => Category:Albert-Einstein-Schule Laatzen
    [index] => 2
    [size] => 1
    [pages] => 0
    [files] => 1
    [subcats] => 0
    [hidden] =>
)
```

2.3 Example: Search for 1 media file

```
<?php

require('../../vendor/autoload.php');

use Attogram\SharedMedia\Api\Media;

$media = new Media();
$media->setResponseLimit(1);
$result = $media->search('Albert Einstein');
print_r($result);
```

```
Array
(
    [0] => Array
        (
            [pageid] => 925243
            [ns] => 6
            [title] => File:Albert Einstein Head.jpg
            [index] => 1
            [imagerepository] => local
            [timestamp] => 2014-11-25T19:59:28Z
            [user] => Triggerhippie4
            [userid] => 1821096
            [size] => 2309396
            [width] => 3250
```

(continues on next page)

(continued from previous page)

```
            [height] => 4333
            [thumburl] => https://upload.wikimedia.org/wikipedia/commons/thumb/d/d3/
↪Albert_Einstein_Head.jpg/100px-Albert_Einstein_Head.jpg
            [thumbwidth] => 100
            [thumbheight] => 133
            [thumbmime] => image/jpeg
            [url] => https://upload.wikimedia.org/wikipedia/commons/d/d3/Albert_
↪Einstein_Head.jpg
            [descriptionurl] => https://commons.wikimedia.org/wiki/File:Albert_
↪Einstein_Head.jpg
            [descriptionshorturl] => https://commons.wikimedia.org/w/index.php?
↪curid=925243
            [sha1] => 51f46ff9897d9125b0d0a513fb5099d2a9462282
            [imagedescription] => <a href="https://en.wikipedia.org/wiki/Albert_
↪Einstein" class="extiw" title="en:Albert Einstein">Albert Einstein</a>
            [imagedescription.source] => commons-desc-page
            [datetimeoriginal] => Copyrighted 1947, copyright not renewed. Einstein's␣
↪estate may still claim copyright on this image, but any such claim would be␣
↪considered illegitimate by the Library of Congress. No known restrictions.<a rel=
↪"nofollow" class="external autonumber" href="http://www.loc.gov/pictures/item/
↪2004671908/">[1]</a>
            [datetimeoriginal.source] => commons-desc-page
            [artist] => Photograph by <a href="//commons.wikimedia.org/w/index.php?
↪title=Orren_Jack_Turner&amp;action=edit&amp;redlink=1" class="new" title="Orren␣
↪Jack Turner (page does not exist)">Orren Jack Turner</a>, Princeton, N.J. <br>
↪Modified with Photoshop by <a href="https://en.wikipedia.org/wiki/User:PM_Poon"␣
↪class="extiw" title="en:User:PM Poon">PM_Poon</a> and later by <a href="//commons.
↪wikimedia.org/wiki/User:Dantadd" title="User:Dantadd">Dantadd</a>.
            [artist.source] => commons-desc-page
            [licenseshortname] => Public domain
            [licenseshortname.source] => commons-desc-page
            [licenseshortname.hidden] =>
            [usageterms] => Public domain
            [usageterms.source] => commons-desc-page
            [usageterms.hidden] =>
            [attributionrequired] => false
            [attributionrequired.source] => commons-desc-page
            [attributionrequired.hidden] =>
            [restrictions] =>
            [restrictions.source] => commons-desc-page
            [restrictions.hidden] =>
            [mime] => image/jpeg
        )

)
```

CHAPTER 3

Category object

public function search($query)

public function info()

public function subcats()

public function getCategoryfromPage()

public function format(array $response)

CHAPTER 4

Media object

public function search($query)

public function info()

public function getMediaOnPage()

public function getMediaInCategory()

public function format(array $response)

CHAPTER 5

Page object

public function search($query)

public function format(array $response)

CHAPTER 6

Base object

Extended by Category, Media, and Page objects.

public function setPageid($pageid = null)

public function setTitle($title = null)

public function setIdentifier($prefix = ‘’, $postfix = ‘’)

public function setResponseLimit($limit)

public function getLimit()

CHAPTER 7

Transport object

Extended by Base object

public function setLogger(LoggerInterface $logger = null)

public function setEndpoint($endpoint)

public function getEndpoint()

public function setParam($paramName, $paramValue)

public function send()

public function getResponse($keys = null)

public function getUrl()

CHAPTER 8

Other stuff

8.1 Similar open source projects

- https://github.com/addwiki/mediawiki-api
- https://github.com/gbirke/mediawiki-api-client
- https://github.com/hamstar/Wikimate
- https://github.com/haosblog/mediawiki_sdk

8.2 Open source projects using MediaWiki API

- https://github.com/attogram/shared-media-tagger
- https://github.com/attogram/wiib
- https://github.com/attogram/yamwat
- https://github.com/pcaisse/mediawiki
- https://github.com/samwilson/commons-category-downloader

8.3 Other related open source projects

- https://github.com/wikisource/api
- https://github.com/joomla-framework/mediawiki-api
- https://github.com/gtonye/library-mediawiki-api
- https://github.com/DFelten/mediawiki-api-helper
- https://github.com/IT-Shura/MediaWiki-SDK

- https://github.com/filbertkm/WikiClient
- https://github.com/Opus1no2/mediawiki-micro-client
- https://github.com/Lindstorm/mediawiki-offline-backup
- https://github.com/emidodvan/wikibot
- https://github.com/nischayn22/MediaWiki_Api
- https://github.com/ppKrauss/MediawikiNavigator