


Wikipedia

Provides:

- The Wikipedia API provides the ability to parse content from a Wikipedia page, search for content based on certain criterias, authentication, and accounts and users control. Some of these actions may require tokens in order to function properly.
- Visit <https://www.mediawiki.org/wiki/Special:ApiSandbox> for an API sandbox provided by MediaWiki. This sandbox allows users to test certain API actions in a virtual environment.
- Ability to get images from wikipedia
<https://en.wikipedia.org/w/api.php?action=query&titles=Albert%20Einstein&format=json&prop=images>
- Previous link gets file name. Can use file name to get image here
<https://en.wikipedia.org/w/api.php?action=query&format=json&prop=imageinfo&iiprop=url&titles=<image name from prev link>>

Key Provisioning:

Pain factor (0=ezpz...5=nightmare): 

- Some edit actions requires write rights in order to work properly.
 - A login token is needed to login.
 - While the use of main account is not supported, the user can obtain credentials from Special:BotPasswords or Owner-only consumers.
 - See https://www.mediawiki.org/wiki/Manual:Bot_passwords and <https://www.mediawiki.org/w/index.php?title=Special:UserLogin&returnto=MediaWiki> for more instructions on Special:BotPasswords.
 - See https://www.mediawiki.org/wiki/OAuth/Owner-only_consumers for more instructions on Owner-only consumers.
 - See <https://www.mediawiki.org/wiki/API:Login> for details on the login module.
 - If a wiki has restricted write permissions, it is necessary for users to login or have certain privileges.
 - Note that some wikis do not need users to register or login in order to edit its content. Thus, edit permission varies from one wiki to another.
 - See https://en.wikipedia.org/wiki/Wikipedia:Protection_policy for the scopes of edit rights.
- While a login token is not necessary, a CRSF token is always needed for POST request that modifies a page. Examples include, but are not limited to, edit, upload, and delete.
- No key is needed if only accessing data

Quotas:

- There is no hard limit on read requests, but users should be considerate when using the API.
- Users should make their requests in series rather than in parallel, by waiting for the completion of an existing request before starting a new one, would probably result in a safe rate.
- It is recommended that users should ask for multiple items in a single request.

The Good:

- Provide detailed documentation on each individual API actions
- Provide specific examples, with code snippets, in MediaWiki wiki
- Provide example projects that implement the API
- The API is generally the same API across wikis powered by WikiMedia.
- A slightly mistyped search term

The Bad:

- Performance can be slow if the operations are not done properly.

The Ugly:

- If something went wrong with the API request, an error or a warning will be thrown. The HTTP response will usually still be 200 OK.

Location: <https://en.wikipedia.org/w/api.php>

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