MediaWiki

API:RecentChanges

> This page is part of the MediaWiki Action API documentation.

GET request to list all the recent changes to the wiki, in the same manner as **Special:RecentChanges** lists them.

MediaWiki version: **≥ 1.9**

Contents

API documentation

> The following documentation is the output of Special:ApiHelp/query+recentchanges, automatically generated by the pre-release version of MediaWiki that is running on this site (MediaWiki.org).

list=recentchanges (rc)

(main | query | **recentchanges**)

Enumerate recent changes.

https://www.mediawiki.org/wiki/Special:MyLanguage/API:Recentchanges

- This module requires read rights.
- This module can be used as a generator.
- Source: MediaWiki
- License: GPL-2.0-or-later

Parameters:

rcstart: The timestamp to start enumerating from.

Type: timestamp (allowed formats)

rcend: The timestamp to end enumerating.

Type: timestamp (allowed formats)

rcdir: In which direction to enumerate:

newer: List oldest first. Note: rcstart has to be before rcend.

older: List newest first (default). Note: rcstart has to be later than rcend.

One of the following values: newer, older

Default: older

rcnamespace: Filter changes to only these namespaces.

Values (separate with | or alternative): -1, -2, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 90, 91, 92, 93, 100, 101, 102, 103, 104, 105, 106, 107, 486, 487, 828, 829, 1198, 1199, 2300, 2301, 2302, 2303, 2600, 5500, 5501

To specify all values, use *.

rcuser: Only list changes by this user.

Type: user, by any of user name, IP, interwiki name (e.g. "prefix>ExampleName") and user ID (e.g. "#12345")

rcexcludeuser: Don't list changes by this user.

Type: user, by any of user name, IP, interwiki name (e.g. "prefix>ExampleName") and user ID (e.g. "#12345")

rctag: Only list changes tagged with this tag.

rcprop: Include additional pieces of information:

user: Adds the user responsible for the edit and tags if they are an IP. If the user has been revision deleted, a `userhidden` property will be returned.

userid: Adds the user ID responsible for the edit. If the user has been

		revision deleted, a `userhidden` property will be returned.
	comment:	Adds the comment for the edit. If the comment has been revision deleted, a `commenthidden` property will be returned.
	parsedcomment:	Adds the parsed comment for the edit. If the comment has been revision deleted, a `commenthidden` property will be returned.
	flags:	Adds flags for the edit.
	timestamp:	Adds timestamp of the edit.
	title:	Adds the page title of the edit.
	ids:	Adds the page ID, recent changes ID and the new and old revision ID.
	sizes:	Adds the new and old page length in bytes.
	redirect:	Tags edit if page is a redirect.
	patrolled:	Tags patrollable edits as being patrolled or unpatrolled.
	loginfo:	Adds log information (log ID, log type, etc) to log entries.
	tags:	Lists tags for the entry.
	sha1:	Adds the content checksum for entries associated with a revision. If the content has been revision deleted, a `sha1hidden` property will be returned.
	Values (separate with | or <u>alternative</u>): comment, flags, ids, loginfo, parsedcomment, patrolled, redirect, sha1, sizes, tags, timestamp, title, user, userid	
	Default: title|timestamp|ids	
rcshow:	Show only items that meet these criteria. For example, to see only minor edits done by logged-in users, set rcshow=minor|!anon.	

	Values (separate with | or <u>alternative</u>): !anon, !autopatrolled, !bot, !minor, !patrolled, !redirect, anon, autopatrolled, bot, minor, patrolled, redirect, unpatrolled
rclimit:	How many total changes to return.
	Type: integer or `max`
	The value must be between 1 and 500.
	Default: 10
rctype:	Which types of changes to show.
	Values (separate with | or <u>alternative</u>): categorize, edit, external, log, new
	Default: edit|new|log|categorize
rctoponly:	Only list changes which are the latest revision.
	Type: boolean (<u>details</u>)
rctitle:	Filter entries to those related to a page.
rccontinue:	When more results are available, use this to continue.
rcgeneraterevisions:	When being used as a generator, generate revision IDs rather than titles. Recent change entries without associated revision IDs (e.g. most log entries) will generate nothing.
	Type: boolean (<u>details</u>)
rcslot:	Only list changes that touch the named slot.
	One of the following values: main

Examples:

List recent changes.
    <u>api.php?action=query&list=recentchanges</u> _[open in sandbox]
Get page info about recent unpatrolled changes.
    <u>api.php?action=query&generator=recentchanges&grcshow=!patrolled&prop=info</u> _[open in sandbox]

Example

GET request

Get the 3 most recent changes with sizes and flags

api.php ? action=query & list=recentchanges & rcprop=title|ids|sizes|flags|user & rclimit=3 (https://en.wikipedia.org/w/api.php?action=query&list=recentchanges&rcprop=title%7Cids%7Csizes%7Cflags%7Cuser&rclimit=3) [try in ApiSandbox] (https://en.wikipedia.org/wiki/Special:ApiSandbox#action=query&list=recentchanges&rcprop=title%7Cids%7Csizes%7Cflags%7Cuser&rclimit=3)

Response

```
{
    "batchcomplete": "",
    "continue": {
        "rccontinue": "20180330090522|1041353210",
        "continue": "-||"
    },
    "query": {
        "recentchanges": [
            {
                "type": "edit",
                "ns": 0,
                "title": "Histology",
                "pageid": 13570,
                "revid": 833218500,
                "old_revid": 833218201,
                "rcid": 1041353213,
                "user": "Iztwoz",
                "oldlen": 25718,
                "newlen": 25749
            }
            ...
        ]
    }
}
```

Sample code

Python

```python
#!/usr/bin/python3

"""
    get_recent_changes.py

    MediaWiki API Demos
    Demo of `RecentChanges` module: Get the three most recent
changes with
    sizes and flags

    MIT License
"""

import requests

S = requests.Session()

URL = "https://en.wikipedia.org/w/api.php"

PARAMS = {
    "format": "json",
    "rcprop": "title|ids|sizes|flags|user",
    "list": "recentchanges",
    "action": "query",
    "rclimit": "3"
}
```

```
R = S.get(url=URL, params=PARAMS)
DATA = R.json()

RECENTCHANGES = DATA['query']['recentchanges']

for rc in RECENTCHANGES:
    print(str(rc['title']))
```

PHP

```php
<?php
/*
    get_recent_changes.php

    MediaWiki API Demos
    Demo of `RecentChanges` module: Get the three most recent
changes with sizes and flags

    MIT License
*/

$endPoint = "https://en.wikipedia.org/w/api.php";
$params = [
    "action" => "query",
    "list" => "recentchanges",
    "rcprop" => "title|ids|sizes|flags|user",
    "rclimit" => "3",
    "format" => "json"
];

$url = $endPoint . "?" . http_build_query( $params );

$ch = curl_init( $url );
curl_setopt( $ch, CURLOPT_RETURNTRANSFER, true );
$output = curl_exec( $ch );
curl_close( $ch );

$result = json_decode( $output, true );

foreach( $result["query"]["recentchanges"] as $rc ){
    echo( $rc["title"] . "\n" );
}
```

JavaScript

```javascript
/*
    get_recent_changes.js

    MediaWiki API Demos
    Demo of `RecentChanges` module: Get the three most recent
changes with sizes and flags

    MIT License
*/

var url = "https://en.wikipedia.org/w/api.php";

var params = {
    action: "query",
    list: "recentchanges",
    rcprop: "title|ids|sizes|flags|user",
    rclimit: "3",
    format: "json"
};

url = url + "?origin=*";
Object.keys(params).forEach(function(key){url += "&" + key + "="
+ params[key];});
```

```
fetch(url)
    .then(function(response){return response.json();})
    .then(function(response) {
        var recentchanges = response.query.recentchanges;
        for (var rc in recentchanges) {
            console.log(recentchanges[rc].title);
        }
    })
    .catch(function(error){console.log(error);});
```

MediaWiki JS

```
/*
    get_recent_changes.js

    MediaWiki API Demos
    Demo of `RecentChanges` module: Get the three most recent
changes with sizes and flags

    MIT License
*/

var params = {
        action: 'query',
        list: 'recentchanges',
        rcprop: 'title|ids|sizes|flags|user',
        rclimit: '3',
        format: 'json'
    },
    api = new mw.Api();

api.get( params ).done( function ( data ) {
    var recentchanges = data.query.recentchanges,
        rc;
    for ( rc in recentchanges ) {
        console.log( recentchanges[ rc ].title );
    }
} );
```

Possible errors

Code	Info
rcshow	Incorrect parameter - mutually exclusive values may not be supplied.
rcpermissiondenied	You need the `patrol` or `patrolmarks` right to request the patrolled flag.

Parameter history

- v1.24: Deprecated `rctoken`
- v1.15: Removed `rctitles`
- v1.14: Introduced `rctitles`
- v1.13: Introduced `loginfo`

Additional notes

- Many log actions can be viewed using this module excluding patrol actions as they are not present in the recentchanges table.

- The Timestamp to start listing from may not be more than $wgRCMaxAge into the past, which on Wikimedia wikis is 30 days.
- New changes may be inserted to the recentchanges table slightly out of order with respect to their timestamp. Thus, when requesting the most recent changes twice in a row, the second response may contain new changes inserted a few seconds before the most recent one in the first response. If you repeatedly call this module to get a stream a recent change, consider adding some overlap between requests to not miss any changes.
- This module can be used as a generator.
- This module is implemented by ApiQueryRecentChanges.php.

See also

- API:Database field and API property associations
- API:Recent changes stream

Retrieved from "https://www.mediawiki.org/w/index.php?title=API:RecentChanges&oldid=4797005"