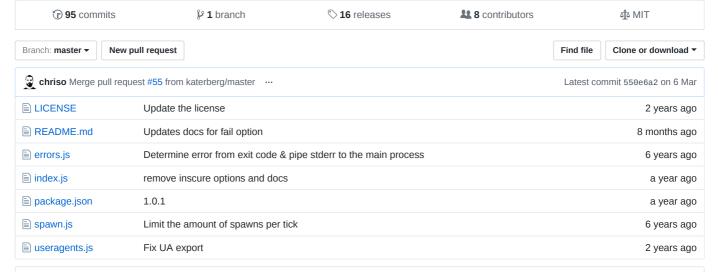
## node-js-libs / curlrequest

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### A cURL wrapper



### **■ README.md**

curlrequest is a node wrapper for the command line curl(1)

\$ npm install curlrequest

# Why?

Curl has significantly more features than any of the node.js request libraries. A lot of the logic that you would build on top of a node.js request library (rate limiting, URL globbing, uploading/downloading file, better proxy support) already exists in curl

- Curl is mature, stable, and fast
- Separate requests/processes take advantage of all CPUs
- · Spawning processes is relatively cheap and non-blocking
- Better control over connect, request, and retry timeouts. If a request has hung just kill the process

Note: don't use this if you need to stream the response - use mikeal/request instead

# **Usage**

Make a request with curl - callback receives (err, stdout) on request completion

```
var curl = require('curlrequest');
curl.request(options, callback);
```

Note that you can also call <code>curl.request(url, callback)</code> which is shorthand for <code>curl.request({ url: url }, callback)</code>.

To setup default options and return a function that can be used later

```
var request = curl.request(default_options);
request([options ,] callback);
```

# **Options**

url

The request url.

method - default: GET

The request method.

encoding - default: utf8

Encode the response body as either utf or ascii. Set to null return a buffer.

headers - default: {}

Set request headers, e.g. headers: { accept: 'text/\*' }

data - default: false

An object containing data to urlencode and then POST.

useragent - default:

Set the request user-agent.

location - default: true

Whether to follow 30x redirects or not.

redirects - default: 3

The maximum amount of redirects to follow before failing with error "retries".

retries - default: 0

How many times to retry the request in the case of failure.

timeout - default: false

The maximum amount of seconds the request can take before failing with error "timeout".

```
scope - default: {}
```

The scope to call the callback in.

```
require - default: null
```

Pass a string or regular expression to search for in the response body. If there's no match, fail the request with "required string not found". You can also pass an array of strings / regexps to search for where only one has to match.

```
require_not
```

The inverse of require - fail if the response contains a string.

```
process - default: false
```

Pass in a function which modifies the response body before sending it to the callback. Useful if you need to modify the response in some way before a higher level library has the chance to modify it.

```
file - default: false
```

Open a file and process it like a request response, useful if using temporary files.

```
stderr - default: false
```

Pipe the stderr of each curl process to the main process. Set this to a string to write stderr to a file.

```
pretend - default: false
```

Useful if you want to see what curl command is to be executed without actually making the request.

```
fail - default: false
```

When set to true, a failing response body will be returned as the first parameter of the callback.

```
curl.request({ url: 'http://google.com', pretend: true }, function (err, stdout, meta) {
   console.log('%s %s', meta.cmd, meta.args.join(' '));
});

curl_path - default: 'curl'
```

Use this to specify an alternative path for curl.

## Passing options directly to curl

Any additional options are sent as command line options to curl. See man curl or curl --manual for a detailed description of options and usage.

**Example 1**. Include response headers in the output

```
var options = { url: 'google.com', include: true };

curl.request(options, function (err, parts) {
   parts = parts.split('\r\n');
   var data = parts.pop()
   , head = parts.pop();
});
```

#### Example 2. Limit the download speed of a transfer

```
var options = {
    url: 'example.com/some/large/file.zip'
    , 'limit-rate': '500k'
    , encoding: null
};

curl.request(options, function (err, file) {
    //file is a Buffer
});
```

## Example 3. See what's going on under the hood

```
var options = {
    url: 'google.com'
    , verbose: true
    , stderr: true
};
curl.request(options, function (err, data) {
    //..
});
```

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